# Публикации на Институт по биофизика и биомедицинско инженерство

# *Българска академия на науките*

# за 2022 г.

# I. Всички публикации - публикувани

* **Звено: ( ИББИ ) Институт по биофизика и биомедицинско инженерство**
* **Секция**:
( ИББИ ) Биомакромолекули и биомолекулни взаимодействия
( ИББИ ) Лаборатория: Трансмембранна сигнализация
( ИББИ ) Липид-белтъчни взаимодействия
( ИББИ ) Управление на двигателната дейност
( ИББИ ) QSAR и молекулно моделиране
( ИББИ ) Биоинформатика и математическо моделиране
( ИББИ ) Електроиндуцирани и адхезивни свойства
( ИББИ ) Обработка и анализ на биомедицински сигнали и данни
( ИББИ ) Фотовъзбудими мембрани
* **Тип на публикацията**:
Научна монография
Глава от научна монография
Студия в научно списание
Статия в научно списание
Статия в сборник на научен форум
Студия в тематичен сборник
Статия в тематичен сборник
Научно съобщение
* **Година на публикуване**: 2022 ÷ 2022
* **Тип записи**: Записи, които влизат в отчета на звеното

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| **№** | **Публикация** | **Коригиращ Коефициент** | **Процент автори от звеното** |
| 1 | **Alov P.**, **Al Sharif M.**, Najdenski H., **Pencheva T.**, **Tsakovska I.**, Zaharieva, M.M., **Pajeva I.**. New Potential Pharmacological Targets of Plant-Derived Hydroxyanthra-quinones from Rubia spp.. Molecules, 27, MDPI, 2022, DOI:10.3390/molecules27103274, 3274. JCR-IF (Web of Science):4.927   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://doi.org/10.3390/molecules27103274) | 1.000 | 71.43 |
| 2 | **Alov P.**, **Stoimenov H.**, **Lessigiarska I.**, **Pencheva T.**, Tzvetkov N.T., **Pajeva I.**, **Tsakovska I.**. In Silico Identification of Multi-Target Ligands as Promising Hit Compounds for Neurodegenerative Diseases Drug Development. International Journal of Molecular Sciences, 23, 21, MDPI (Basel, Switzerland), 2022, ISSN:1422-0067, DOI:10.3390/ijms232113650, 13650. SJR (Scopus):1.18, JCR-IF (Web of Science):6.208   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://doi.org/10.3390/ijms232113650) | 1.000 | 85.71 |
| 3 | **Alov P**, **Tsakovska I**, **Pajeva I**. Hybrid Classification/Regression Approach to QSAR Modeling of Stoichiometric Antiradical Capacity Assays’ Endpoints. Molecules, 27, 7, MDPI, 2022, ISSN:1420-3049, DOI:10.3390/molecules27072084, 2084. SJR (Scopus):0.782, JCR-IF (Web of Science):4.412   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://doi.org/10.3390/molecules27072084) | 1.000 | 100.00 |
| 4 | **Alov, P.**, **Al Sharif, M.**, Aluani, D., Chegaev, K., Dinic, J., Rankov, A.D., Fernandes, M.X., Fusi, F., García-Sosa, A.T., Juvonen, R., Kondeva-Burdina, M., Padrón, J.M., **Pajeva, I.**, **Pencheva, T.**, Puerta, A., Raunio, H., Riganti, C., **Tsakovska, I.**, Tzankova, V., Yordanov, Y., Saponara, S.. A Comprehensive Evaluation of Sdox, a Promising H2S-Releasing Doxorubicin for the Treatment of Chemoresistant Tumors. Frontiers in Pharmacology, 13, 831791, Frontiers, 2022, ISSN:1663-9812, DOI:10.3389/fphar.2022.831791, SJR (Scopus):1.38, JCR-IF (Web of Science):5.988   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://www.frontiersin.org/articles/10.3389/fphar.2022.831791/full) | 1.000 | 23.81 |
| 5 | **Andonov, Velin**, Zadrożny, Slawomir, Atanassova, Lilija. A new operation over intuitionistic fuzzy pairs. Notes on Intuitionistic Fuzzy Sets, 28, 4, 2022, DOI:10.7546/nifs.2022.28.4.436-441, 436-441   **Национално академично издателство (Друга база (не влиза в К2))** | 1.000 | 33.33 |
| 6 | **Atanassov, K.**, Marinov, P., Ikonomov, N., Mavrov, D., Bureva, V., **Vassilev, P.**, **Roeva, O.**, **Atanassova, V.**, Tsakov, H., Alexandrov, A.. Game Method for Modelling of Forest Fires. Prof. Marin Drinov Academic Publishing House, Sofia, Bulgaria, 2022, ISBN:978-619-245-229-2   **Издателство на висше училище или научна организация или с решение на НС на звеното (Друга база (не влиза в К2))** | 1.000 | 40.00 |
| 7 | **Atanassov, K.**, Shannon, A., Sotirova, E., Vasilev, V., Sotirov, S.. Generalized Net Model for Collecting, Evaluating and Including of Facts in the Educational Content. Advances in Intelligent Systems Research and Innovation (V. Sgurev et al., Eds.), Studies in Systems, Decision and Control, 379, Springer, 2022, DOI:https://doi.org/10.1007/978-3-030-78124-8\_15, 341-348. SJR (Scopus):0.135   **Q4 (Scopus)**   [Линк](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118764921&doi=10.1007%2f978-3-030-78124-8_15&partnerID=40&md5=d5c3affdee79cffdc1e552529cd3e792) | 1.000 | 20.00 |
| 8 | **Atanassov, K.**. Cartesian products over extended index matrices. Advanced Studies in Contemporary Mathematics, 32, 1, 2022, DOI:10.17777/ascm2022.32.1.45, 45-51   **Друго** | 1.000 | 100.00 |
| 9 | **Atanassov, K.**. Intuitionistic Fuzziness, Standard and Extended Modality. Advances in Intelligent Systems Research and Innovation (V. Sgurev et al., Eds.), Studies in Systems, Decision and Control, 379, Springer, 2022, DOI:https://doi.org/10.1007/978-3-030-78124-8\_12, 269-285. SJR (Scopus):0.135   **Q4 (Scopus)**   [Линк](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118792352&doi=10.1007%2f978-3-030-78124-8_12&partnerID=40&md5=b4c288461edae5604a6d46a46a68ae6b) | 1.000 | 100.00 |
| 10 | **Atanassov, K.**. n-dimensional extended index matrices. Advanced Studies in Contemporary Mathematics, 32, 1, 2022, DOI:10.17777/ascm2022.32.1.85, 85-101   **Международно академично издателство** | 1.000 | 100.00 |
| 11 | **Atanassov, K.**. On the Temporal Intuitionistic Fuzzy Sets. Proceedings of the Intelligent and Fuzzy Systems, Digital Acceleration and The New Normal Conference, 2022, Istanbul, (Cengiz Kahraman et al., Eds.), Volume 1, In:- Lecture Notes in Networks and Systems, 504, Springer, 2022, DOI:10.1007/978-3-031-09173-5\_61, 519-528. SJR (Scopus):0.11   **Q4 (Scopus)**   [Линк](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135044467&doi=10.1007%2f978-3-031-09173-5_61&partnerID=40&md5=23a0a6eb8cee1f1e79e7b0526da7a6a0) | 1.000 | 100.00 |
| 12 | **Atanassov, Krassimir T.**, **Staneva, Galya**, **Pencheva, Tania**. Generalized Net Model of the Foreign Object Principle and its Network Physiology Interpretations. Frontiers Network Physiology, 2, 2022, DOI:10.3389/fnetp.2022.873337, 873337   **Международно неакадемично издателство**   [Линк](https://www.frontiersin.org/articles/10.3389/fnetp.2022.873337/full) | 1.000 | 100.00 |
| 13 | **Atanassov, Krassimir T.**, Atanassova, L. C., Shannon, A. G.. On combined 3-Fibonacci sequences. Notes on Number Theory and Discrete Mathematics, 28, 4, 2022, DOI:10.7546/nntdm.2022.28.4.758-764, 758-764   **Без JCR или SJR – индексиран в WoS или Scopus (Web of Science)** | 1.000 | 33.33 |
| 14 | **Atanassov, Krassimir T.**, Bureva, Veselina. Two new operations over extended index matrices and their applications in Big Data. Proceedings of the 17th Conference on Computer Science and Intelligence Systems, FedCSIS 2022, 2022, ISBN:978-839658971-2, DOI:10.15439/2022F300, 1-6   **Без JCR или SJR – индексиран в WoS или Scopus (Scopus)**   [Линк](https://www.scopus.com/record/display.uri?eid=2-s2.0-85141157075&origin=resultslist&sort=plf-f&src=s&nlo=&nlr=&nls=&sid=245328633c4a013174893933a4ab20c0&sot=aut&sdt=cl&cluster=scopubyr%2c%222022%22%2ct&sl=17&s=AU-ID%287006934987%29&relpos=11&citeCnt=) | 1.000 | 50.00 |
| 15 | **Atanassov, Krassimir T.**. Extended Temporal-level Operator Over Intuitionistic Fuzzy Sets. Journal of Multiple-Valued Logic and Soft Computing, 39, 5-6, Old City Publishing Inc, 2022, 385-399. SJR (Scopus):0.234, JCR-IF (Web of Science):0.78   **Q2 (Web of Science)**   [Линк](https://www.oldcitypublishing.com/journals/mvlsc-home/mvlsc-issue-contents/mvlsc-volume-39-number-5-6-2022/mvlsc-39-5-6-p-385-399/) | 1.000 | 100.00 |
| 16 | **Atanassov, Krassimir T.**. Intuitionistic Fuzzy Modal Topological Structure. Mathematics, 10, MDPI, 2022, DOI:10.3390/ math10183313, 3313. JCR-IF (Web of Science):2.592   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000857025400001) | 1.000 | 100.00 |
| 17 | **Atanassov, Krassimir T.**. New Topological Operator over Intuitionistic Fuzzy Sets. Journal of Computational and Cognitive Engineering, 1, 3, Bon View Press, 2022, ISSN:2810-9503, DOI:10.47852/bonviewJCCE2202197, 94-102   **Международно академично издателство**   [Линк](https://ojs.bonviewpress.com/index.php/JCCE/article/view/197) | 1.000 | 100.00 |
| 18 | **Atanassov, Krassimir T.**. Objects generated by an arbitrary natural number. Part 2: Modal aspect. Notes on Number Theory and Discrete Mathematics, 28, 3, 2022, DOI:10.7546/nntdm.2022.28.3.558-563, 558-563   **Без JCR или SJR – индексиран в WoS или Scopus (Web of Science)**   [Линк](https://nntdm.net/volume-28-2022/number-3/558-563/) | 1.000 | 100.00 |
| 19 | **Atanassov, Krassimir T.**. On intuitionistic fuzzy modal topological structures with modal operator of second type. Notes on Intuitionistic Fuzzy Sets, 28, 4, 2022, DOI:10.7546/nifs.2022.28.4.457-463, 457-463   **Национално академично издателство (Друга база (не влиза в К2))**   [Линк](https://ifigenia.org/wiki/Issue%3AOn_intuitionistic_fuzzy_modal_topological_structures_with_modal_operator_of_second_type) | 1.000 | 100.00 |
| 20 | **Atanassov, Krassimir T.**. On two new combined 3-Fibonacci sequences. Part 3. Notes on Number Theory and Discrete Mathematics, 28, 1, 2022, DOI:10.7546/nntdm.2022.28.1.143-146, 143-146   **Без JCR или SJR – индексиран в WoS или Scopus (Web of Science)** | 1.000 | 100.00 |
| 21 | **Atanassov, Krassimir T.**. Temporal-Level Operators Over Intuitionistic Fuzzy Sets. 16th National Conference on Operational and Systems Research (BOS/SOR) / 19th International Workshop on Intuitionistic Fuzzy Sets and Generalized Nets (IWIFSGN). Lecture Notes in Networks and Systems, Vol. 338: Uncertainty and imprecision in Decision Making and Decision Support, 2022, DOI:10.1007/978-3-030-85577-2\_1, 3-11. SJR (Scopus):0.151   **Q4 (Scopus)**   [Линк](https://www.scopus.com/record/display.uri?eid=2-s2.0-85115219431&origin=resultslist&sort=plf-f&src=s&nlo=&nlr=&nls=&sid=245328633c4a013174893933a4ab20c0&sot=aut&sdt=cl&cluster=scopubyr%2c%222022%22%2ct&sl=17&s=AU-ID%287006934987%29&relpos=32&citeCnt=) | 1.000 | 100.00 |
| 22 | **Atanassov, Krassimir T.**. Two 2-Fibonacci sequences generated by a mixed scheme. Part 1. Notes on Number Theory and Discrete Mathematics, 28, 2, Prof. Marin Drinov Academic Publishing House, Sofia, Bulgaria, 2022, DOI:10.7546/nntdm.2022.28.2.331-338, 331-338   **Без JCR или SJR – индексиран в WoS или Scopus (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000824438300013) | 1.000 | 100.00 |
| 23 | **Atanassov, Krassimir**, **Marinov, Evgeniy**, **Vassilev, Peter**. An interval-valued intuitionistic fuzzy estimation of the area of 2D-figures based on Pick’s formula. 16th National Conference on Operational and Systems Research (BOS/SOR) / 19th International Workshop on Intuitionistic Fuzzy Sets and Generalized Nets (IWIFSGN). Lecture Notes in Networks and Systems, Vol. 338: Uncertainty and imprecision in Decision Making and Decision Support, 338, Springer, 2022, DOI:10.1007/978-3-030-95929-6\_7, 85-91   **Без JCR или SJR – индексиран в WoS или Scopus (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000775291100007) | 1.000 | 100.00 |
| 24 | **Atanassov, Krassimir**, Bureva, Veselina. Index matrix representation of Big Data structures. Comptes rendus de l’Academie bulgare des Sciences, 75, 5, Prof. Marin Drinov Academic Publishing House, Sofia, Bulgaria, 2022, DOI:10.7546/CRABS.2022.05.12, 719-725. JCR-IF (Web of Science):0.326   **Q3 (Scopus)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000811276300012) | 1.000 | 50.00 |
| 25 | **Atanassov, Krassimir**. On new intuitionistic fuzzy (ε, η)-negation and (ε, η)-implication. Journal of Universal Mathematics, 5, 2, 2022, DOI:10.33773/jum.1134441, 51-60   **Международно академично издателство**   [Линк](https://dergipark.org.tr/en/pub/jum/issue/71609/1134441) | 1.000 | 100.00 |
| 26 | **Atanassov, Krassimir**. On the 3D-figure areas based on Pick's formula. Notes on Intuitionistic Fuzzy Sets, 28, 1, 2022, DOI:10.7546/nifs.2022.28.1.86-92, 86-92   **Национално академично издателство (Друга база (не влиза в К2))**   [Линк](https://ifigenia.org/wiki/Issue%3AOn_the_3D-figure_areas_based_on_Pick%27s_formula) | 1.000 | 100.00 |
| 27 | **Atanassov, Krassimir**. On the intuitionistic fuzzy modal feeble topological structures. Notes on Intuitionistic Fuzzy Sets, 28, 3, 2022, DOI:10.7546/nifs.2022.28.3.211-222, 211-222   **Национално академично издателство (Друга база (не влиза в К2))**   [Линк](https://ifigenia.org/wiki/Issue%3AOn_the_intuitionistic_fuzzy_modal_feeble_topological_structures) | 1.000 | 100.00 |
| 28 | **Atanassova, Vassia**. Quantifying individual scientific output in terms of a new intuitionistic fuzzy sets based author-level metrics (IFALM). Notes on Intuitionistic Fuzzy Sets, 28, 3, 2022, DOI:10.7546/nifs.2022.28.3.319-333, 319-333   **Национално академично издателство (Друга база (не влиза в К2))**   [Линк](https://ifigenia.org/wiki/Issue%3AQuantifying_individual_scientific_output_in_terms_of_a_new_intuitionistic_fuzzy_sets_based_author-level_metrics_%28IFALM%29) | 1.000 | 100.00 |
| 29 | **Chorukova E.**, **Roeva O.**, **Atanassov, K**. Generalized net model of Ant Lion Optimizer. Lecture Notes in Networks and Systems, 374, Springer, 2022, ISBN:978-3-030-96637-9, ISSN:2367-3370, DOI:https://doi.org/10.1007/978-3-030-96638-6\_17, 154-162. SJR (Scopus):0.17   **Q4 (Web of Science)**   [Линк](https://link.springer.com/chapter/10.1007/978-3-030-96638-6_17) | 1.000 | 100.00 |
| 30 | **Chorukova, E.**, Kabaivanova, L., Hubenov, V., Simeonov, I., **Roeva, O.**. Mathematical Model of a Thermophilic Anaerobic Digestion for Methane Production of Wheat Straw. Processes, 10, 4, MDPI, 2022, ISSN:2227-9717, DOI:https://doi.org/10.3390/pr10040742, 742. JCR-IF (Web of Science):3.352   **Q2 (Web of Science)**   [Линк](https://www.mdpi.com/2227-9717/10/4/742) | 1.000 | 40.00 |
| 31 | **Dimitrov, V.G.,**, **Dimitrov, A.G.**. Effect of Changes in the Intracellular Resistivity of Skeletal Muscle Fibre on Intracellular and Extracellular Potentials.. Contemporary Methods in Bioinformatics and Biomedicine and Their Applications. BioInfoMed 2020. Lecture Notes in Networks and Systems, vol 374, Springer, Cham., 2022, ISBN:Print ISBN978-3-030-96637-9 Online ISBN978-3-030-96638-6, DOI:https://doi.org/10.1007/978-3-030-96638-6\_43   **Международно академично издателство (Scopus)**   [Линк](https://www.scopus.com/record/display.uri?eid=2-s2.0-85127060091&origin=resultslist&sort=plf-f&featureToggles=FEATURE_NEW_DOC_DETAILS_EXPORT:1) | 1.000 | 100.00 |
| 32 | **Dobrev D**, **Neycheva T**. High-quality biopotential acquisition without a reference electrode: power-line interference reduction by adaptive impedance balancing in a mixed analog–digital design. Medical & Biological Engineering & Computing, 60, Springer Nature Switzerland AG, 2022, ISSN:0140-0118, DOI:10.1007/s11517-022-02586-0, 1801-1814. JCR-IF (Web of Science):3.079   **Q2 (Web of Science)**   [Линк](https://link.springer.com/article/10.1007/s11517-022-02586-0) | 1.000 | 100.00 |
| 33 | **Dobrev D**, **Neycheva T**. Open-loop Software Automatic Gain Control: Common-mode Power-line Interference Stabilization During ECG Recording. XXXI International Scientific Conference Electronics (ET), 2022, IEEE, 2022, ISBN:978-1-6654-9878-4, DOI:10.1109/ET55967.2022.9920322, 1-6   **Без JCR или SJR – индексиран в WoS или Scopus (Scopus)**   [Линк](https://ieeexplore.ieee.org/document/9920322) | 1.000 | 100.00 |
| 34 | **Dobrikova A.**, **Apostolova E.**, Adamakis I.-D.S., Hanc A., Sperdouli I., Moustakas M.. Combined impact of excess zinc and cadmium on elemental uptake, leaf anatomy and pigments, antioxidant capacity, and function of photosynthetic apparatus in clary sage (Salvia sclarea L.). Plants, 11, 18, MDPI, 2022, DOI:10.3390/plants11182407, 2407. SJR (Scopus):0.765, JCR-IF (Web of Science):4.658   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://doi.org/10.3390/plants11182407) | 1.000 | 33.33 |
| 35 | **Dobrikova A.**, **Borisova P.**, **Yotsova E.**, Chipilski R., Dimitrov E., Uhr Z., Todorovska E., **Popova A.V.**. Application of fast biochemical stress markers for evaluation of drought tolerance of four common winter wheat varieties. Comp. Rend. Acad. Bulg. Sci., 75, 5, 2022, DOI:10.7546/CRABS.2022.05.18, 773-782. SJR (Scopus):0.194, JCR-IF (Web of Science):0.378   **Q3 (Scopus)**   [Линк](https://doi.org/10.7546/CRABS.2022.05.18) | 1.000 | 50.00 |
| 36 | **Garvanski I**, **Matveev M**, **Krasteva V**, **Stoyanov T**, Simova Y. On a Possible Approach to Risk Prediction of Recurrence of Atrial Fibrillation аfter Catheter Ablation According to Data from the Pre-procedure Period. International Journal Bioautomation, 26, 1, 2022, ISSN:1314-1902, DOI:10.7546/ijba.2022.26.1.000869, 37-66. SJR (Scopus):0.198   **Q3 (Scopus)**   [Линк](https://biomed.bas.bg/bioautomation/2022/vol_26.1/files/26.1_03.pdf) | 1.000 | 80.00 |
| 37 | **Iliev, I.**, Sulikovska, I., Ivanova, E., Dimitrova, M., **Nikolova, B.**, Andreeva, C.. Validation of a Light Source for Phototoxicity in in vitro Conditions. Int. J. BIOautomation, 26, 2, Institute of Biophysics and Biomedical Engineering, 2022, ISSN:1314-1902, DOI:10.7546/ijba.2022.26.2.000837, 141-152. SJR (Scopus):0.198   **Q3 (Scopus)**   [Линк](https://biomed.bas.bg/bioautomation/2022/vol_26.2/files/26.2_02.pdf) | 1.000 | 33.33 |
| 38 | **Ivanov A.G.**, Krol M., Savitch L.V., Szyszka‑Mroz B., Roche J., Sprott D. P., Selstam E., Wilson K.W., Gardiner R., Öquist G., Hurry V.M., Hüner N.P.A.. The decreased PG content of pgp1 inhibits PSI photochemistry and limits reaction center and light‑harvesting polypeptide accumulation in response to cold acclimation. Planta, 55, 36, 2022, DOI:https://doi.org/10.1007/s00425-022-03819-0, JCR-IF (Web of Science):4.116   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://link.springer.com/article/10.1007/s00425-022-03819-0) | 1.000 | 8.33 |
| 39 | **Jekova I**, **Christov I**, **Krasteva V**. Atrioventricular Synchronization for Detection of Atrial Fibrillation and Flutter in One to Twelve ECG Leads Using a Dense Neural Network Classifier. Sensors, 22, 16, MDPI, 2022, ISSN:1424-8220, DOI:10.3390/s22166071, 6071. SJR (Scopus):0.803, JCR-IF (Web of Science):3.847   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://www.mdpi.com/1424-8220/22/16/6071) | 1.000 | 100.00 |
| 40 | **Jereva D.**, **Alov P.**, **Tsakovska I.**, **Angelova M.**, **Atanassova V.**, **Vassilev P.**, Ikonomov N., **Atanassov K.**, **Pajeva I.**, **Pencheva T.**. Application of InterCriteria Analysis to Assess the Performance of Scoring Functions in Molecular Docking Software Packages. Mathematics, 10, MDPI, 2022, DOI:10.3390/math10152549, 2549. SJR (Scopus):0.538, JCR-IF (Web of Science):2.592   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000839700900001) | 1.000 | 90.00 |
| 41 | **Jereva D.**, **Angelova M.**, **Tsakovska I.**, **Alov P.**, **Pajeva I.**, Miteva M., **Pencheva T.**. An Application of InterCriteria Analysis Approach to Assess the AMMOS Software Platform Outcomes. Biomath, 11, 1, 2022, DOI:10.55630/j.biomath.2022.03.068, 2203068. SJR (Scopus):0.246   **Q3 (Scopus)**   [Линк](https://doi.org/10.55630/j.biomath.2022.03.068) | 1.000 | 85.71 |
| 42 | **Jereva, D.**, **Angelova, M.**, **Tsakovska, I.**, **Alov, P.**, **Pajeva, I.**, Miteva, M., **Pencheva, T.**. InterCriteria Analysis Approach for Decision-making in Virtual Screening: Comparative Study of Various Scoring Functions. Lecture Notes in Networks and Systems, 374, Springer, 2022, DOI:https://doi.org/10.1007/978-3-030-96638-6\_8, 67-78. SJR (Scopus):0.151   **Q4 (Scopus)**   [Линк](https://www.scopus.com/sourceid/4900152708?origin=resultslist) | 1.000 | 85.71 |
| 43 | **Kostadinova, A.**, **Hazarosova, R.**, Topouzova-Hristova, T., Moyankova, D., **Yordanova, V.**, **Veleva, R.**, **Nikolova, B.**, **Momchilova, A.**, Djilianov, D., **Staneva, G.**. Myconoside interacts with the plasma membranes and the actin cytoskeleton and provokes cytotoxicity in human lung adenocarcinoma A549 cells.. J. Bioenerg. Biomembr, 54, 1, Springer New York, 2022, ISSN:0145479X, 15736881, DOI:DOI10.1007/s10863-021-09928-x, 31-43. JCR-IF (Web of Science):3.853   **Q2 (Web of Science)**   [Линк](https://www.scopus.com/record/display.uri?eid=2-s2.0-85122322183&origin=resultslist&sort=plf-f&featureToggles=FEATURE_NEW_DOC_DETAILS_EXPORT:1) | 1.000 | 70.00 |
| 44 | **Kostadinova, A.**, **Staneva, G.**, Topouzova, T., Moyankova, D., **Yordanova, V.**, **Veleva, R.**, **Nikolova, B.**, **Momchilova, A.**, Djilianov, D., **Hazarosova, R.**. Myconoside Affects the Viability of Polarized Epithelial MDCKII Cell Line by Interacting with the Plasma Membrane and the Apical Junctional Complexes. Separations, 9, 9, MDPI, 2022, ISSN:2297-8739, DOI:10.3390/separations9090239, 1-12. JCR-IF (Web of Science):3.344   **Q2 (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000857662800001) | 1.000 | 70.00 |
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| 47 | **Langari, Ariana**, **Strijkova, Velichka**, Komsa-Penkova, Regina, **Danailova, Avgustina**, **Krumova, Sashka**, **Taneva, Stefka G.**, **Giosheva, Ina**, Gartchev, Emil, Kercheva, Kamelia, Savov, Alexey, **Todinova, Svetla**. Morphometric and Nanomechanical Features of Erythrocytes Characteristic of Early Pregnancy Loss. International Journal of Molecular Sciences, 23, 9, MDPI, 2022, ISSN:1661-6596, DOI:10.3390/ijms23094512, SJR (Scopus):1.176, JCR-IF (Web of Science):6.208   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://www.scopus.com/record/display.uri?eid=2-s2.0-85128392026&origin=resultslist&sort=plf-f&src=s&st1=Todinova&st2=S.&nlo=1&nlr=20&nls=count-f&sid=752a288eab1162d4f78b04f3286b41a1&sot=anl&sdt=aut&sl=39&s=AU-ID%28%22Todinova%2c+Svetla+J.%22+6507282) | 1.000 | 63.64 |
| 48 | **M. Petrov**. Multiple Objective Optimisation of the Ethanol Production from strain Saccharomyces sereviciae. Automatica and Informatics, 55, 2, John Atanasoff Society of Automatics and Informatics (SAI), Bulgaria, 2022, ISSN:0861-7562 print, ISSN 2683-1279 Online, 12-17   **Национално академично издателство (ZentralBlatt)**   [Линк](https://sai-bg.com/category/journals/automatica-and-informatics/) | 1.000 | 100.00 |
| 49 | **M. Petrov**. Optimisation of Biotechnological Processes through Combined Algorithm. Automatica and Informatics, 55, 1, John Atanasoff Society of Automatics and Informatics (SAI), Bulgaria, 2022, ISSN:0861-7562 print, ISSN 2683-1279 Online, 17-22   **Национално академично издателство (ZentralBlatt)**   [Линк](https://sai-bg.com/category/journals/automatica-and-informatics/) | 1.000 | 100.00 |
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| 53 | **Momchilova A.**, Pankov R., **Staneva G.**, **Pankov S.**, Krastev P., Vassileva E., **Hazarosova R.**, Krastev N., Robev B., **Nikolova B.**, Pinkas A.. Resveratrol Affects Sphingolipid Metabolism in A549 Lung Adenocarcinoma Cells. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, 23, 18, MDPI, 2022, ISSN:1422-0067, DOI:10.3390/ijms231810870, JCR-IF (Web of Science):6.208   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000858261400001) | 1.000 | 45.45 |
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| 56 | **Neycheva T**, **Dobrev D**. Design of Fractional Filters for Power-line Interference Suppression in ECG Signals. XXXI International Scientific Conference Electronics (ET), 2022, IEEE, 2022, ISBN:978-1-6654-9878-4, DOI:10.1109/ET55967.2022.9920330, 1-6   **Без JCR или SJR – индексиран в WoS или Scopus (Scopus)**   [Линк](https://ieeexplore.ieee.org/document/9920330) | 1.000 | 100.00 |
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| 60 | **R.Raikova**, Z. Ivanova, **S.Angelova**. An indeterminate problem for an upper limb model with four biarticular muscles and its three modifications - analytical and numerical solution and sensitivity analysis. Series on Biomechanics, 36, 2, Институт по механика, 2022, DOI:10.7546/SB.36.2022.02.01, 3-17. SJR (Scopus):0.201   **Q4 (Scopus)**   [Линк](http://jsb.imbm.bas.bg/page/en/details.php?article_id=580) | 1.000 | 66.67 |
| 61 | **Ribagin, S.**, Grozeva, A., Popova, G.. Generalized Net Model of Telerehabilitation Program for Patients with Socially Significant Diseases. Contemporary Methods in Bioinformatics and Biomedicine and Their Applications, 374, Lecture Notes in Computer Science, 2022, ISBN:978-3-030-96638-6, 91-99. SJR (Scopus):0.15   **Q4 (Scopus)**   [Линк](https://link.springer.com/chapter/10.1007/978-3-030-96638-6_10#citeas) | 1.000 | 33.33 |
| 62 | **Ribagin, S.**. Possible Application of Generalized Nets in Telemedicine Screening of Corona Virus Disease 2019 (COVID-19). Contemporary Methods in Bioinformatics and Biomedicine and Their Applications., 374, Lecture Notes in Computer Science, 2022, ISBN:978-3-030-96638-6, 139-144. SJR (Scopus):0.15   **Q4 (Scopus)**   [Линк](https://link.springer.com/chapter/10.1007/978-3-030-96638-6_15#citeas) | 1.000 | 100.00 |
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| 64 | **Roeva O.**, Zoteva, D., **Vassilev P.**. Generalized Net Model of Coyote Optimization Algorithm. Int J Bioautomation, 26, 4, 2022, 353-360. SJR (Scopus):0.2   **Q3 (Scopus)**   [Линк](https://doi.org/10.7546/ijba.2022.26.4.000787) | 1.000 | 66.67 |
| 65 | **Semkova S.,**, Ivanova D, **Nikolova B.,**, Zlateva G.,, Bakalova R, **Zhelev Z.,**, Aoki I. Inhibition of ATP-synthase potentiates cytotoxicity of combination drug menadione/ascorbate in leukaemia lymphocytes. Biotechnol. Biotechnol. Equip, 35, 1, Taylor & Francis, 2022, ISSN:13102818, 13143530, 1738-1744. SJR (Scopus):0.377, JCR-IF (Web of Science):1.762   **Q3 (Scopus)**   [Линк](https://www.tandfonline.com/doi/pdf/10.1080/13102818.2021.1996268) | 1.000 | 42.86 |
| 66 | **Silvija Angelova**, Emil Petrov, Plamen Raykov, **Rositsa Raikova**. Experimental Testing of a Prototype of an Active Elbow Orthosis Based on in vivo Investigation of Elbow Flexion/Extension of Healthy Subjects. International Journal of Bioautomation, 26, 2, Institute of Biophysics and Biomedical Engineering, 2022, DOI:doi: 10.7546/ijba.2022.26.2.000865, 161-174. SJR (Scopus):0.198   **Q3 (Scopus)**   [Линк](https://biomed.bas.bg/bioautomation/2022/vol_26.2/files/26.2_04.pdf) | 1.000 | 50.00 |
| 67 | **Stefanov, M.**, **Rashkov, G.**, **Apostolova, E.**. Assessment of the Photosynthetic Apparatus Functions by Chlorophyll Fluorescence and P700 Absorbance in C3 and C4 Plants under Physiological Conditions and under Salt Stress. Int. J. Mol. Sci, 23, 3768, MDPI (Switzerland), 2022, DOI:10.3390/ijms23073768, JCR-IF (Web of Science):6.208   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://doi.org/10.3390/ijms23073768) | 1.000 | 100.00 |
| 68 | **Stoichev, S.**, **Danailova, A.**, **Iliev, I.**, Sulikovska, I., **Strijkova, V.**, Mladenova, K., **Andreeva, T.**. Fabrication and Biocompatibility of Layer-by-layer Assembled Composite Graphene Oxide-polysaccharide Microcapsules. Int. J. BIOautomation, 26, 3, Institute of Biophysics and Biomedical Engineering, 2022, ISSN:1314-1902, DOI:10.7546/ijba.2022.26.3.000843, 225-240. SJR (Scopus):0.198   **Q3 (Scopus)**   [Линк](https://www.scopus.com/record/display.uri?eid=2-s2.0-85139999403&origin=resultslist&sort=plf-f) | 1.000 | 71.43 |
| 69 | **Stoyanov T**. Web-Based Software Tool for Electrocardiogram Annotation. Lecture Notes in Networks and Systems, 374, Springer, Cham, 2022, ISBN:978-3-030-96637-9, ISSN:2367-3370, DOI:10.1007/978-3-030-96638-6\_34, 322-331. SJR (Scopus):0.151   **Q4 (Scopus)**   [Линк](https://link.springer.com/chapter/10.1007/978-3-030-96638-6_34) | 1.000 | 100.00 |
| 70 | **Stratiev, D.**, I. Shishkova, R. Dinkov, I.Kolev, G. Argirov, V. Ivanov, **S. Ribagin**, **V. Atanassova**, **K. Atanassov**, **D. Stratiev**, S. Nenov, D. Pilev. Intercriteria Analysis to Diagnose the Reasons for Increased Fouling in a Commercial Ebullated Bed Vacuum Residue Hydrocracker. ACS Omega, 7, 34, American Chemical Society, 2022, ISSN:24701343, DOI:10.1021/acsomega.2c03876, 30462-30476. SJR (Scopus):0.708, JCR-IF (Web of Science):4.132   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://pubs.acs.org/doi/full/10.1021/acsomega.2c03876) | 1.000 | 41.67 |
| 71 | **Stratiev, D.**, I.Shishkova, R.Dinkov, S. Nenov, S.Sotirov, E. Sotirova, I. Kolev, V. Ivanov, **S. Ribagin**, **K. Atanassov**, D. Stratiev, D. Yordanov. Prediction of petroleum viscosity from molecular weight and density. Fuel, 331, Elsevier, 2022, ISSN:00162361, DOI:10.1016/j.fuel.2022.125679, 125679. SJR (Scopus):1.514, JCR-IF (Web of Science):8.035   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://www.sciencedirect.com/science/article/pii/S001623612202508X) | 1.000 | 25.00 |
| 72 | **Stratiev, D.**, Nenov, S., Sotirov, S., Shishkova, I., Palichev, G., Sotirova, E., Ivanov, V., **Atanassov, K.**, **Ribagin, S.**, Angelova, N.. Petroleum viscosity modeling using least squares and ANN methods. Journal of Petroleum Science and Engineering, 212, 110306, Elsevier, 2022, ISSN:09204105, DOI:https://doi.org/10.1016/j.petrol.2022.110306, SJR (Scopus):1.062, JCR-IF (Web of Science):5.168   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://doi.org/10.1016/j.petrol.2022.110306) | 1.000 | 30.00 |
| 73 | **Stratiev, D.**, Shishkova, I., Ivanov, M., Dinkov, R., Argirov, G., Vassilev, S., Yordanov, D.. Validation of Diesel Fraction Content in Heavy Oils Measured by High Temperature Simulated Distillation and Physical Vacuum Distillation by Performance of Commercial Distillation Test and Process Simulation. Applied Sciences, 12, 22, MDPI, 2022, DOI:10.3390/app122211824, 11824. SJR (Scopus):0.507, JCR-IF (Web of Science):2.838   **Q2 (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000887139900001) | 1.000 | 14.29 |
| 74 | **Stratiev, D.**, Shishkova, I., Palichev, G.N., **Atanassov, K.**, **Ribagin, S.**, Nenov, S., Nedanovski, D., Ivanov, V.. Study of Bulk Properties Relations to SARA Composition Data of Various Vacuum Residues Employing Intercriteria Analysis. Energies, 15, MDPI, 2022, DOI:10.3390/en15239042, 9042. SJR (Scopus):0.653, JCR-IF (Web of Science):3.252   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://doi.org/10.3390/en15239042) | 1.000 | 37.50 |
| 75 | **Stratiev, Danail**, Zoteva, Dafina, Stratiev, Dicho, **Atanassov, Krassimir**. Modelling the Process of Production of Automotive Gasoline by the Use of Generalized Nets. 16th National Conference on Operational and Systems Research (BOS/SOR) / 19th International Workshop on Intuitionistic Fuzzy Sets and Generalized Nets (IWIFSGN). Lecture Notes in Networks and Systems, 338, Springer, 2022, DOI:10.1007/978-3-030-95929-6\_27, 349-365   **Без JCR или SJR – индексиран в WoS или Scopus (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000775291100027) | 1.000 | 50.00 |
| 76 | **Stratiev, Dicho**, Shishkova, Ivelina, Dinkov, Rosen, Dobrev, Dimitar, Argirov, Georgi, Yordanov, Dobromir. The Synergy between Ebullated Bed Vacuum Residue Hydrocracking and Fluid Catalytic Cracking Processes in Modern Refining-Commercial Experience. Bulgarian Academic Monographs Series, Vol. 15, Professor Marin Drinov Publishing House of Bulgarian Academy of Sciences, 2022, ISBN:978-619-245-234-6, 750   **Издателство на висше училище или научна организация или с решение на НС на звеното**  | 1.000 | 16.67 |
| 77 | **Strijkova V.**, **Todinova S.**, **Andreeva T.**, **Langari A.**, Bogdanova D., Zlatareva E., Kalaydzhiev N., Milanov I., **Taneva S.G.**. Platelets’ Nanomechanics and Morphology in Neurodegenerative Pathologies. Biomedicines, 10(9):2239, 2022, DOI:doi: 10.3390/biomedicines10092239, SJR (Scopus):0.87, JCR-IF (Web of Science):4.757   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://doi.org/10.3390/biomedicines10092239) | 1.000 | 55.56 |
| 78 | **Strijkova-Kenderova V.**, **Todinova S.**, **Andreeva T.**, Bogdanova D., **Langari A.**, **Danailova A.**, **Krumova S.**, Zlatareva E., Kalaydziev N., Milanova I., **Taneva S.G.**. Morphometry and stiffness of red blood cells - signatures of neurodegenerative diseases and aging. Int. J. Biological Macromolecules, 23, 1, MDPI, 2022, DOI:10.3390/ijms23010227, 227. JCR-IF (Web of Science):6.208   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://www.mdpi.com/1422-0067/23/1/227) | 1.000 | 63.64 |
| 79 | **Todinova S.**, **Nikolova B.**, **Iliev I.**, **Semkova S.**, **Krumova S.**, **Taneva S.G.**. Thermodynamic behavior of breast cancer cell lines after miltefosine and cisplatin treatment. J. Therm. Anal. Calorim., 147, 14, Springer, 2022, ISSN:1388-6150, DOI:https://doi.org/10.1007/s10973-021-11094-6, 7819-7828. SJR (Scopus):0.639, JCR-IF (Web of Science):4.755   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000710439500003) | 1.000 | 100.00 |
| 80 | **Todorova, L**, Ignatova, V, **Vassilev, P**, Surchev, J. Generalized Net Model of Computer Based Registration and Rehabilitation of Cognitive Impairments in Multiple Sclerosis. Lecture Notes in Networks and Systems, 338, Springer, 2022, ISSN:2367-3370, DOI:10.1007/978-3-030-95929-6\_30, 397-407. SJR (Scopus):0.151   **Q4 (Scopus)**   [Линк](https://www.scopus.com/record/display.uri?eid=2-s2.0-85126245290&origin=resultslist&sort=plf-f&src=s&st1=Generalized+Net+Model+of+Computer+Based+Registration+and+Rehabilitation+of+Cognitive+Impairments+in+Multiple+Sclerosis&sid=dd1030abbbc1c8477f09a1) | 1.000 | 50.00 |
| 81 | **Tsakovska, I.**, **Diukendjieva, A.**, Worth, A.P.. Methods in Molecular Biology. In Silico Models for Predicting Acute Systemic Toxicity, 2425, Humana, New York, NY, 2022, DOI:10.1007/978-1-0716-1960-5\_12, 259-289. SJR (Scopus):0.368   **Q4 (Scopus)**   [Линк](https://www.scopus.com/record/display.uri?eid=2-s2.0-85125005785&origin=resultslist&sort=plf-f&src=s&st1=Tsakovska&sid=d7ce9411ce7cc301d8aa22b62a86fee0&sot=b&sdt=b&sl=22&s=AUTHOR-NAME%28Tsakovska%29&relpos=4&citeCnt=0&searchTerm=&featureToggles=FEATU) | 1.000 | 66.67 |
| 82 | **Tsoneva, I.,**, **Semkova, S.,**, Bakalova, R.,, **Zhelev, Zh.,**, Nuss, Ph.,, **Staneva, G.,**, **Nikolova, B**. Electroporation, electrochemotherapy and electro-assisted drug delivery in cancer. A state-of-the-art review. Biophysical Chemistry, 286, Elsevier, 2022, DOI:https://doi.org/10.1016/j.bpc.2022.106819, 106819. SJR (Scopus):0.606, JCR-IF (Web of Science):3.628   **Q2 (Scopus)**   [Линк](https://www.sciencedirect.com/science/article/pii/S0301462222000618?dgcid=coauthor) | 1.000 | 71.43 |
| 83 | **Tzoneva, R.**, Tsiapla, A.-R., **Uzunova, V.**, **Stoyanova, T.**, Samaras, T., Angelakeris,, M., Kalogirou, O.. Synergistic Effect of Combined Treatment with Magnetic Hyperthermia and Magneto-Mechanical Stress of Breast Cancer Cells. Magnetochemistry, 8, 10, 2022, 117. JCR-IF (Web of Science):3.336   **Q2 (Scopus)**   [Линк](https://www.mdpi.com/journal/magnetochemistry) | 1.000 | 42.86 |
| 84 | **Vassilev, Peter**, **Ribagin, Simeon**. The ⊖ operation over intuitionistic fuzzy pairs. Notes on Intuitionistic Fuzzy Sets, 28, 3, 2022, DOI:10.7546/nifs.2022.28.3.223-227, 223-227   **Национално академично издателство (Друга база (не влиза в К2))** | 1.000 | 100.00 |
| 85 | **Vladimir G. Dimitrov**, **Alexander G. Dimitrov**. Effect of Changes in the Intracellular Resistivity of Skeletal Muscle Fibre on Intracellular and Extracellular Potentials. Contemporary Methods in Bioinformatics and Biomedicine and Their Applications. BioInfoMed 2020. Lecture Notes in Networks and Systems, 374, Springer, Cham, 2022, DOI:https://doi.org/10.1007/978-3-030-96638-6\_43, 411-420   **Международно академично издателство**   [Линк](https://link.springer.com/chapter/10.1007/978-3-030-96638-6_43) | 1.000 | 100.00 |
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| 90 | **Александров А**, **Момчилова А**, Орозова М, Александров Св., Кръстев П, **Станева Г**, **Николова Б**, Цончев Зл.. Терапевтична афереза. Издателство на БАН "Проф. Марин Дринов", 2022, ISBN:978-619-245-200-1, 121   **Издателство на висше училище или научна организация или с решение на НС на звеното**  | 1.000 | 50.00 |
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| 95 | Angelova, Nora, **Atanassov, Krassimir**, **Atanassova, Vassia**. Research on intuitionistic fuzzy implications. Part 2. Notes on Intuitionistic Fuzzy Sets, 28, 2, 2022, DOI:10.7546/nifs.2022.28.2.172-192, 172-192   **Национално академично издателство (Друга база (не влиза в К2))**   [Линк](https://ifigenia.org/wiki/Issue%3AResearch_on_intuitionistic_fuzzy_implications._Part_2) | 1.000 | 66.67 |
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| 98 | Angelova, V. T., **Pencheva, T.**, Vassilev, N., K-Yovkova, E., Mihaylova, R., Petrov, B., Valcheva, V.. Development of New Antimycobacterial Sulfonyl Hydrazones and 4-Methyl-1,2,3-thiadiazole-based Hydrazone Derivatives. Antibiotics, 11, 5, 2022, DOI:https://doi.org/10.3390/antibiotics11050562, JCR-IF (Web of Science):5.222   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://www.mdpi.com/2079-6382/11/5/562) | 1.000 | 14.29 |
| 99 | Atanasov A, Karadjova V, Andonova A, Tsekova D, Lozanov V, Parashkevova B, Mindov I, **Roumiana Todorova**, Vezenkov L.. Synthesis, isolation and biological activity studies of galanthamine derivatives including peptide moiety and tannins from medicinal plants. J Chim Metal Technol., 57, 1, 2022, 32-38. SJR (Scopus):0.22   **Q3 (Scopus)**   [Линк](https://dl.uctm.edu/journal/home) | 1.000 | 11.11 |
| 100 | Beth Szyszka-Mroz, **Alexander G. Ivanov**, Charles G. Trick, Norman P. A. Hüner. Palmelloid formation in the antarctic psychrophile, chlamydomonas priscuii, is photoprotective. Frontiers in Plant Science, 13, 2022, DOI:10.3389/fpls.2022.911035, SJR (Scopus):1.36, JCR-IF (Web of Science):6.627   **Q1, не оглавява ранглистата (Scopus)**   [Линк](http://doi.org/10.3389/fpls.2022.911035) | 1.000 | 25.00 |
| 101 | Bonka Lozanska, Milena Georgieva, George Miloshev, **Charilaos Xenodochidis**. Ageing and Neurodegeneration – The Role of Neurotransmitters’ Activity. Int. J. Bioautomation, 26, 4, Institute of Biophysics and Biomedical Engineering, 2022, ISSN:13141902, 13142321, DOI:10.7546/ijba.2022.26.4.000879, 325-338. SJR (Scopus):0.198   **Q3 (Scopus)**   [Линк](https://biomed.bas.bg/bioautomation/2022/vol_26.4/files/26.4_02.pdf) | 1.000 | 25.00 |
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| 103 | Boyukov, T, **Atanassov, K.**. Generalized Nets as a Tool for Modelling of Railway Networks. Part 2. 16th National Conference on Operational and Systems Research (BOS/SOR) / 19th International Workshop on Intuitionistic Fuzzy Sets and Generalized Nets (IWIFSGN). Lecture Notes in Networks and Systems, 338, Springer, 2022, DOI:10.1007/978-3-030-95929-6\_10, 120-128   **Без JCR или SJR – индексиран в WoS или Scopus (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000775291100010) | 1.000 | 50.00 |
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| 105 | Bureva V., Sotirova E., **Vassilev P.**, **Atanassova, V.**, **Roeva O.**, **Atanassov, K**, Tsakov H.. Application of Game Method for Modelling to Locate a Forest Fire Ignition Point in the Presence of Wind. Lecture Notes in Networks and Systems, 338, Springer, 2022, ISBN:978-303095928-9, ISSN:23673370, 280-293. SJR (Scopus):0.151   **Q4 (Scopus)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000775291100022) | 1.000 | 57.14 |
| 106 | Bureva, Veselina, Petrov, Petar R., **Atanassova, Vassia**, **Umlenski, Ivo**. InterCriteria Analysis as a tool for analyzing Big Data datasets: Case study of 2021 national statistics of Bulgarian system of higher education. Notes on Intuitionistic Fuzzy Sets, 28, 4, 2022, DOI:10.7546/nifs.2022.28.4.464-474, 464-474   **Национално академично издателство (Друга база (не влиза в К2))** | 1.000 | 50.00 |
| 107 | Chen, Zhihuaa, Kosari, Saeeda, Kaarmukilan, S.P., Yuvapriya, C., **Atanassov, Krassimir T.**, Rangasamy, Parvathi, Rashmanlou, Hossein. A video processing algorithm using temporal intuitionistic fuzzy sets. Journal of Intelligent & Fuzzy Systems, 43, 6, IOS Press, 2022, DOI:10.3233/JIFS-220928, 8057-8072. SJR (Scopus):0.386, JCR-IF (Web of Science):1.737   **Q2 (Scopus)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000886972200077) | 1.000 | 14.29 |
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| 111 | Fidanova, S., **Roeva, O.**. Influence of the ACO Evaporation Parameter for Unstructured Workforce Planning Problem. Lecture Notes in Computer Science, 13127, Springer, 2022, ISBN:978-3-030-97549-4, DOI:https://doi.org/10.1007/978-3-030-97549-4\_27, 234-241. SJR (Scopus):0.302   **Q2 (Scopus)**   [Линк](https://link.springer.com/chapter/10.1007/978-3-030-97549-4_27) | 1.000 | 50.00 |
| 112 | Fidanova, S., Ganzha, M., **Roeva O.**. Hybrid Ant Colony Optimization Algorithms—Behaviour Investigation Based on Intuitionistic Fuzzy Logic. Studies in Computational Intelligence, 1044, Springer, 2022, DOI:https://doi.org/10.1007/978-3-031-06839-3\_3, 39-60. SJR (Scopus):0.237   **Q4 (Scopus)**   [Линк](https://doi.org/10.1007/978-3-031-06839-3_3) | 1.000 | 33.33 |
| 113 | Fidanova, S., Zhivkov, P., **Roeva, O.**. InterCriteria Analysis Applied on Air Pollution Influence on Morbidity. Mathematics, 10, 7, MDPI, 2022, DOI:10.3390/math10071195, 1195. SJR (Scopus):0.538, JCR-IF (Web of Science):2.592   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000781920900001) | 1.000 | 33.33 |
| 114 | Ganev B, Iliev I, **Jekova I**, **Krasteva V**. LabVIEW ECG and Noise Simulator for Advanced Synthesis of Machine Learning Databases. XXXI International Scientific Conference Electronics (ET), 2022, IEEE, 2022, ISBN:978-1-6654-9878-4, DOI:10.1109/ET55967.2022.9920258, 1-6   **Без JCR или SJR – индексиран в WoS или Scopus (Scopus)**   [Линк](https://ieeexplore.ieee.org/document/9920258) | 1.000 | 50.00 |
| 115 | Georgieva, K., **Popova, A. V.**, Mihailova, G., **Ivanov, A. G.**, **Velitchkova, M.**. Limiting steps and the contribution of alternative electron flow pathways in the recovery of the photosynthetic functions after freezing-induced desiccation of Haberlea rhodopensis. Photosynthetica, 60 (SI), 2022, ISSN:0300-3604, DOI:10.32615/ps.2022.008, 134-144. SJR (Scopus):0.687, JCR-IF (Web of Science):2.482   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://ps.ueb.cas.cz/corproof.php?tartkey=phs-000000-2810) | 1.000 | 60.00 |
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| 119 | I. Shishkova, **Stratiev, D.**, I. Kolev, S. Nenov, D. Nedanovski, **K.Atanassov**, V. Ivanov, **S. Ribagin**. Challenges in Petroleum Characterization—A Review. Energies, 15, 20, MDPI, 2022, ISSN:19961073, DOI:10.3390/en15207765, 7765. SJR (Scopus):0.653, JCR-IF (Web of Science):3.252   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000872734700001) | 1.000 | 37.50 |
| 120 | Ignatova, V, **Todorova, L**. Computer-Based Rehabilitation of Cognitive Impairments in Patients with Multiple Sclerosis. Lecture Notes in Networks and Systems, 374, Springer, 2022, ISSN:2367-3370, DOI:10.1007/978-3-030-96638-6\_4, 39-49. SJR (Scopus):0.151   **Q4 (Scopus)**   [Линк](https://www.scopus.com/record/display.uri?eid=2-s2.0-85127061211&origin=resultslist&sort=plf-f&src=s&st1=Computer-Based+Rehabilitation+of+Cognitive+Impairments+in+Patients+with+Multiple+Sclerosis&sid=d4e66beb49e72bf9b935df608f9773e8&sot=b&sdt=b&sl=10) | 1.000 | 50.00 |
| 121 | Ikonomov, Nikolay, Marinov, Pencho, **Vassilev, Peter**, **Roeva, Olympia**, Zoteva, Dafina, **Atanassova, Vassia**, **Atanassov, Krassimir**. 3D software implementation of the Game Method for Modelling forest fires in MyGL software tool. 16th National Conference on Operational and Systems Research (BOS/SOR) / 19th International Workshop on Intuitionistic Fuzzy Sets and Generalized Nets (IWIFSGN). Lecture Notes in Networks and Systems, Vol. 338: Uncertainty and imprecision in Decision Making and Decision Support, 338, Springer, 2022, DOI:10.1007/978-3-030-95929-6\_25, 327-337. SJR (Scopus):0.15   **Q4 (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000775291100025) | 1.000 | 57.14 |
| 122 | Iliev I, **Jekova I**, Tabakov S, Koshtikova K, Runev N, Manov E. High-Risk Cardiac Patients’ Follow-Up via Portable Telemonitoring Personal Analyzer: Applicability, Reliability and Accuracy. Lecture Notes in Networks and Systems, 374, Springer, Cham, 2022, ISBN:978-3-030-96637-9, ISSN:2367-3370, DOI:10.1007/978-3-030-96638-6\_33, 312-321. SJR (Scopus):0.151   **Q4 (Scopus)**   [Линк](https://link.springer.com/chapter/10.1007/978-3-030-96638-6_33) | 1.000 | 16.67 |
| 123 | Iliev I, Kanev I, **Krasteva V**. A Survey on the Application of Mobile Communication Devices in Remote Cardiac Monitoring Systems. Lecture Notes in Networks and Systems, 374, Springer, Cham, 2022, ISBN:978-3-030-96637-9, ISSN:2367-3370, DOI:10.1007/978-3-030-96638-6\_32, 299-311. SJR (Scopus):0.151   **Q4 (Scopus)**   [Линк](https://link.springer.com/chapter/10.1007/978-3-030-96638-6_32) | 1.000 | 33.33 |
| 124 | Ivanka Nikolova, Ivaylo Slavchev, Irena Zagranyarska, Nadya Nikolova, Neli Vilhelmova, Adelina Stoyanova, Petar Grozdanov, Lucia Mukova, Angel Galabov, **Iglika Lessigiarska**, **Ivanka Tsakovska**, Georgi M. Dobrikov. Synthesis and QSAR Analysis of Diaryl Ethers and Their Analogues as Potential Antiviral Agents. ChemistrySelect, 7, 40, Wiley-VCH GmbH, 2022, ISSN:2365-6549, DOI:10.1002/slct.202203088, JCR-IF (Web of Science):2.307   **Q2 (Scopus)**   [Линк](https://doi.org/10.1002/slct.202203088) | 1.000 | 16.67 |
| 125 | Ivanova, IA, Pavlova, EL, **Kostadinova, AS**, Toshkovska, RD, Yocheva, LD, El-Sayed, K, Hassan, MA, El-Zorkany, HE, Elshoky, HA. Investigation of Biological and Prooxidant Activity of Zinc Oxide Nanoclusters and Nanoparticles. ACTA CHIMICA SLOVENICA, 69, 3, Slovenian Chemical Society, 2022, ISSN:1580-3155, DOI:10.17344/acsi.2021.7337, 722-733. SJR (Scopus):0.291, JCR-IF (Web of Science):1.524   **Q3 (Scopus)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000883417200022) | 1.000 | 11.11 |
| 126 | Jordan A. Doumanov, Kirilka Mladenova, Vesselina Moskova-Doumanova, **Tonya D. Andreeva**, Svetla D. Petrova. Self-organization and surface properties of hBest1 in models of biological membranes.. Advances in Colloid and Interface Science, 302, Elsevier, 2022, ISSN:00018686, DOI:10.1016/j.cis.2022.102619, 102619. JCR-IF (Web of Science):15.19   **Q1 - оглавява ранглистата (Web of Science)**   [Линк](https://www.sciencedirect.com/science/article/abs/pii/S0001868622000215?via%3Dihub) | 1.000 | 20.00 |
| 127 | Kaneti, J., Kurteva, V., Georgieva, M., **Krasteva, N.**, Miloshev, G., Tabakova, N., Petkova, Z., Bakalova, S.M.. Small Heterocyclic Ligands as Anticancer Agents: QSAR with a Model G-Quadruplex.. Molecules, 27, mdpi, 2022, ISSN:14203049, DOI:https://doi.org/10.3390/molecules27217577, 7577. SJR (Scopus):0.705, JCR-IF (Web of Science):4.927   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://www.mdpi.com/1420-3049/27/21/7577) | 1.000 | 12.50 |
| 128 | Kichukova, D, Spassova, I, **Kostadinova, A**, Staneva, A, Kovacheva, D. Facile Synthesized Cu-RGO and Ag-RGO Nanocomposites with Potential Biomedical Applications. Nanomaterials, 12, 12, MDPI, 2022, ISSN:2079-4991, DOI:10.3390/nano12122096, SJR (Scopus):0.79, JCR-IF (Web of Science):5.719   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000817513100001) | 1.000 | 20.00 |
| 129 | Klebeko J., Ossowicz-Rupniewska P., Swiatek E., Szachnowska J., Janus E., **Taneva S.G.**, Krachmarova E., Guncheva M.. Salicylic Acid as Ionic Liquid Formulation May Have Enhanced Potency to Treat Some Chronic Skin Diseases. 27, 2022, DOI:10.3390/molecules27010216, SJR (Scopus):0.705, JCR-IF (Web of Science):4.927   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://www.mdpi.com/1420-3049/27/1/216) | 1.000 | 12.50 |
| 130 | Lubich, M., A. Shanon, C. Slavov, **T. Pencheva**, **S. Ribagin**, **K. Atanassov**. A Generalized Net Model of the Pattern of Behavior in Patients with eGFR < 20 mL/min (CKD Stage IV-V). Lecture Notes in Networks and Systems, 374, Springer International Publishing AG, 2022, ISBN:978-303096637-9, ISSN:23673370, DOI:10.1007/978-3-030-96638-6\_12, 113-120. SJR (Scopus):0.151   **Q4 (Scopus)**   [Линк](https://link.springer.com/chapter/10.1007/978-3-030-96638-6_12) | 1.000 | 50.00 |
| 131 | Lubich, Martin, Papazov, Velimir, Popov, Elenko, Georgieva, Radostina, Dmitrenko, Dmitrii, Bojkov, Borislav, Slavov, Chavdar, **Vassilev, Peter**, **Atanassova, Vassia**, Todorova, Lyudmila, **Atanassov, Krassimir T.**. A Generalized Net Model of the Prostate Gland’s Functioning. Mathematics, 10, 3, MDPI, 2022, DOI:10.3390/math10030479, 479. SJR (Scopus):0.538, JCR-IF (Web of Science):2.592   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000755332500001) | 1.000 | 27.27 |
| 132 | Lyubenova, V., Ignatova, M., **Roeva O.**. Contemporary Bioprocesses Control Algorithms for Educational Purposes. Studies in Computational Intelligence, 1044, Springer, 2022, DOI:https://doi.org/10.1007/978-3-031-06839-3\_6, 95-110. SJR (Scopus):0.237   **Q4 (Scopus)**   [Линк](https://doi.org/10.1007/978-3-031-06839-3_6) | 1.000 | 33.33 |
| 133 | Lyubenova, V.N., Ignatova, M.N., Shopska, V.N., Kostov, G.A., **Roeva, O.N.**. Simultaneous State and Kinetic Observation of Class-Controllable Bioprocesses. Mathematics, 10, MDPI, 2022, DOI:https://doi.org/10.3390/math10152665, JCR-IF (Web of Science):2.592   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://doi.org/10.3390/math10152665) | 1.000 | 20.00 |
| 134 | Mavrov, Deyan, **Atanassova, Vassia**, Bureva, Veselina, **Roeva, Olympia**, **Vassilev, Peter**, Tsvetkov, Radoslav, Zoteva, Dafina, Sotirova, Evdokia, **Atanassov, Krassimir**, Alexandrov, Alexander, Tsakov, Hristo. Application of Game Method for Modelling and Temporal Intuitionistic Fuzzy Pairs to the Forest Fire Spread in the Presence of Strong Wind. Mathematics, 10, 8, MDPI, 2022, DOI:10.3390/math10081280, 1280. SJR (Scopus):0.538, JCR-IF (Web of Science):2.592   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000786345000001) | 1.000 | 36.36 |
| 135 | Mavrova, A.,, Dimov, S.,, Sulikovska,I.,, Yancheva, D.,, **Iliev, I.,**, **Tsoneva, I.,**, **Staneva, G.,**, **Nikolova, B**. Design, Cytotoxicity and Antiproliferative Activity of 4-Amino-5-methyl-thieno[2,3-d]pyrimidine-6-carboxylates against MFC-7 and MDA-MB-231 Breast Cancer Cell Lines. Molecules, 27, MDPI, 2022, 3314. JCR-IF (Web of Science):4.927   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://www.mdpi.com/1420-3049/27/10/3314/pdf) | 1.000 | 50.00 |
| 136 | Mihailova G., Christov N. K., Sarvari E., Solti A., Hembrom R., Solymosi K., Keresztes A., **Velitchkova M**, **Popova A. V.**, Todorovska E., Georgieva, K.. Reactivation of the Photosynthetic Apparatus of Resurrection Plant Haberlea rhodopensis during the Early Phase of Recovery from Drought- and Freezing-Induced Desiccation. Plants, 11, MDPI, 2022, DOI:https://doi.org/10.3390/plants11172185, JCR-IF (Web of Science):4.658   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://doi.org/10.3390/plants11172185) | 1.000 | 18.18 |
| 137 | Milenov T, Karaivanova D, Angelov O, Terziyska P, Avdeev G, Karashanova D, Georgieva B, Genkov K, Dimov D, **Ivanov K**, Kolev S., Valcheva E. Structure and phase composition study of thin TiO2:C films deposited by r.f. magnetron sputtering. Journal of Physics: Conference Series, 2240, IOP Publishing, 2022, ISSN:1742-6588, DOI:10.1088/1742-6596/2240/1/012009, 012009-1-012009-7. SJR (Scopus):0.21   **SJR, непопадащ в Q категория (Scopus)**   [Линк](https://iopscience.iop.org/article/10.1088/1742-6596/2240/1/012009) | 1.000 | 8.33 |
| 138 | Moustakas M., **Dobrikova A.**, Sperdouli I., Hanć A., Adamakis I.-D.S., Moustaka J., **Apostolova E.**. A hormetic spatiotemporal photosystem II response mechanism of Salvia to excess zinc exposure. Int. J. Mol. Sci., 23, 19, MDPI, 2022, DOI:10.3390/ijms231911232, 11232. SJR (Scopus):1.176, JCR-IF (Web of Science):6.208   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://doi.org/10.3390/ijms231911232) | 1.000 | 28.57 |
| 139 | Ossowicz-Rupniewska P., Klebeko J., Świątek E., Szachnowska J., Janus E., Rangelov M., Todorova N., **Taneva S.G.**, Krachmarova E., Guncheva M.. Binding behavior of ibuprofen-based ionic liquids with bovine serum albumin: Thermodynamic and molecular modeling studies. Journal of Molecular Liquids, 2022, DOI:DOI:10.1016/j.molliq.2022.119367, SJR (Scopus):0.91, JCR-IF (Web of Science):6.633   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://doi.org/10.1016/j.molliq.2022.119367) | 1.000 | 10.00 |
| 140 | P. Zlateva, **S Hadjitodorov**. An Approach for Analysis of Critical Infrastructure Vulnerability to Climate Hazards. Proc. 4th International Conference on Environment, Resources and Energy Engineering, Bangkok, Thailand , June 10-12, 2022, 2022   **Международно неакадемично издателство** | 1.000 | 50.00 |
| 141 | Pavel Videv, Kirilka Mladenova, **Tonya Andreeva**, Jong Hun Park, Svetla D. Petrova, Jordan A. Doumanov. Cholesterol alters the phase separation in model membranes containing hBest1.. Molecules, 27, 13, MDPI, 2022, ISSN:14203049, DOI:10.3390/molecules27134267, 4267. JCR-IF (Web of Science):4.927   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://www.mdpi.com/1420-3049/27/13/4267) | 1.000 | 14.29 |
| 142 | Pavlova E L., Ivanova, I A., Staneva, AD, **Kostadinova, AS**, Kichukova, DG, Yocheva, LD. Prooxidant, antioxidant and biological activity of nanocomposites of reduced graphene oxide, silver, copper and their combinations. CHEMICAL PAPERS, 76, 11, Springer, 2022, ISSN:0366-6352, DOI:10.1007/s11696-022-02360-4, 6789-6800. SJR (Scopus):0.365, JCR-IF (Web of Science):2.146   **Q2 (Scopus)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000830370200004) | 1.000 | 16.67 |
| 143 | Poryazov, S, Andonov, V., Saranova, E., **Atanassov, K.**. Two Approaches to the Traffic Quality Intuitionistic Fuzzy Estimation of Service Compositions. Mathematics, 10, 23, MDPI, 2022, DOI:10.3390/math10234439, 4439. SJR (Scopus):0.538, JCR-IF (Web of Science):2.592   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85143603068&doi=10.3390%2fmath10234439&partnerID=40&md5=05654f325de75baf912c1ab5c6ae38d5) | 1.000 | 25.00 |
| 144 | Regina Komsa-Penkova, **Avgustina Danailova**, **Sashka Krumova**, Galya Georgieva, **Ina Giosheva**, Lidia Gartcheva, **Ivan Iliev**, Emil Gartchev, Kameliya Kercheva, Alexey Savov, **Svetla Todinova**. Altered Thermal Behavior of Blood Plasma Proteome Related to Inflammatory Cytokines in Early Pregnancy Loss. Int J Mol Sci ., 23, 15, MDPI, 2022, DOI:doi: 10.3390/ijms23158764., SJR (Scopus):1.18, JCR-IF (Web of Science):6.208   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://www.mdpi.com/1422-0067/23/15/8764) | 1.000 | 45.45 |
| 145 | Regina Komsa-Penkova, Galya Stavreva, Kalina Belemezova, Stanimir Kyurkchiev, **Svetla Todinova**, George Altankov. Mesenchymal Stem-Cell Remodeling of Adsorbed Type-I Collagen—The Effect of Collagen Oxidation. Int J Mol Sci ., 23, 6, MDPI, 2022, DOI:10.3390/ijms23063058, SJR (Scopus):1.176, JCR-IF (Web of Science):6.208   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://www.scopus.com/record/display.uri?eid=2-s2.0-85126115229&origin=resultslist&sort=plf-f&src=s&st1=Todinova&st2=S.&nlo=1&nlr=20&nls=count-f&sid=752a288eab1162d4f78b04f3286b41a1&sot=anl&sdt=aut&sl=39&s=AU-ID%28%22Todinova%2c+Svetla+J.%22+6507282) | 1.000 | 16.67 |
| 146 | Regina Komsa-Penkova, Svetoslava Stoycheva, Pencho Tonchev, Galya Stavreva, **Svetla Todinova**, Galya Georgieva, Adelina Yordanova, Stanimir Kyurkchiev, George Altankov. Morphological and Quantitative Evidence for Altered Mesenchymal Stem Cell Remodeling of Collagen in an Oxidative Environment—Peculiar Effect of Epigallocatechin-3-Gallate. Polymers, 14, 19, MDPI, 2022, ISSN:20734360, DOI:https://doi.org/10.3390/polym14193957, SJR (Scopus):0.73, JCR-IF (Web of Science):4.967   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://www.mdpi.com/2073-4360/14/19/3957) | 1.000 | 11.11 |
| 147 | Robin Rohlen, **Rositsa Raikova**, Erik Stålberg, Christer Grönlund. Estimation of contractile parameters of successive twitches in unfused tetanic contractions of single motor units – A proof-of-concept study using ultrafast ultrasound imaging in vivo. Journal of Electromyography and Kinesiology Volume 67, December 2022, 102705, 67, 2022, DOI:https://doi.org/10.1016/j.jelekin.2022.102705, JCR-IF (Web of Science):2.641   **Q2 (Scopus)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000871028600002) | 1.000 | 25.00 |
| 148 | Sotirov, Sotir, Stoyanov, Valentin, Krawczak, Maciej, Sotirova, Evdokia, **Ribagin, Simeon**. An application of the InterCriteria Analysis and clusterization approach over a burnout dataset. Notes on Intuitionistic Fuzzy Sets, 28, 3, 2022, DOI:10.7546/nifs.2022.28.3.353-360, 353-360   **Национално академично издателство (Друга база (не влиза в К2))** | 1.000 | 20.00 |
| 149 | Sotirova, Evdokia N., Shannon, Anthony G., **Atanassov, Krassimir T.**. The Modelling of University Processes through Intuitionistic Fuzzy Evaluations. Cambridge Scholars Publishing, 2022, ISBN:978-1-5275-8886-8, 220   **Друго**   [Линк](https://www.cambridgescholars.com/product/978-1-5275-8886-8) | 1.000 | 33.33 |
| 150 | Sperdouli I., Adamakis I.-D.S., **Dobrikova A.**, **Apostolova E.**, Hanc A., Moustakas M.. Excess zinc supply reduces cadmium uptake and mitigates cadmium toxicity effects on chloroplast structure, oxidative stress, and photosystem II photochemical efficiency in Salvia sclarea plants.. Toxics, 10, 1, MDPI, 2022, 36. SJR (Scopus):0.8, JCR-IF (Web of Science):4.472   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://doi.org/10.3390/toxics10010036) | 1.000 | 33.33 |
| 151 | Stratiev, D., S. Nenov, D. Nedanovski, I. Shishkova, R. Dinkov, **Da. D. Stratiev**, De. D.Stratiev, S. Sotirov, E. Sotirova, **V. Atanassova**, **S. Ribagin**, **K. Atanassov**, D. Yordanov, N. Angelova, L. Todorova-Yankova. Empirical Modeling of Viscosities and Softening Points of Straight-Run Vacuum Residues from Different Origins and of Hydrocracked Unconverted Vacuum Residues Obtained in Different Conversions. Energies, 15, 5, MDPI, 2022, ISSN:19961073, DOI:10.3390/en15051755, 1755. SJR (Scopus):0.653, JCR-IF (Web of Science):3.252   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000775058900001) | 1.000 | 26.67 |
| 152 | Stratiev, D., Shishkova, I, Ivanov, M, Petrov, I., **Atanassova, V.**, **Ribagin, S.**, **Atanassov, K.**, Toteva, V., **Stratiev, D. D.**. Commercial and laboratory experience with catalytic cracking of straight run hydrotreated vacuum gas oil and h-oil gas oils. Journal of Chemical Technology and Metallurgy, 57, 2, 2022, 215-223. SJR (Scopus):0.253   **Q3 (Scopus)**   [Линк](https://www.scopus.com/record/display.uri?eid=2-s2.0-85125262732&origin=resultslist&sort=plf-f) | 1.000 | 44.44 |
| 153 | Stratiev, Dicho, Shishkova, Ivelina, Dinkov, Rosen, **Atanassova, Vassia**, **Ribagin, Simeon**, **Stratiev, Danail D.**, **Atanassov, Krassimir**. Evaluation of crude slate and processing of recycle effects on H-Oil performance. International Journal of Oil, Gas and Coal Technology, 30, 2, INDERSCIENCE ENTERPRISES LTD, 2022, DOI:10.1504/IJOGCT.2022.122642, 130-156. SJR (Scopus):0.2, JCR-IF (Web of Science):0.723   **Q4 (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000790815200002) | 1.000 | 57.14 |
| 154 | Tchekalarova J., **Tzoneva R.**. Significance of Antioxidants on Aging and Neurodegeneration. International Journal of Molecular Sciencesthis link is disabled, 8, 10, 2022, 8(10), 117. JCR-IF (Web of Science):6.208   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://www.mdpi.com/journal/ijms) | 1.000 | 50.00 |
| 155 | Tchekalarova, J., Nenchovska, Z., Kortenska, L., **Uzunova, V.**, **Georgieva, I.**, **Tzoneva, R.**. Impact of Melatonin Deficit on Emotional Status and Oxidative Stress-Induced Changes in Sphingomyelin and Cholesterol Level in Young Adult, Mature, and Aged Rats.. International Journal of Molecular Sciences, 23, 5, MDPI, 2022, ISSN:1422-0067, DOI:https://doi.org/10.3390/ ijms23052809, 2795-2809. SJR (Scopus):1.46, JCR-IF (Web of Science):6.208   **Q1, не оглавява ранглистата**   [Линк](https://www.mdpi.com/1422-0067/23/5/2809) | 1.000 | 50.00 |
| 156 | Tchekalarova, J., Stoyanova, T., **Tzoneva, R.**, Angelova, V., Andreeva-Gateva, P.. The Anticonvulsant Effect of a Novel Indole-Related Compound in the Kainate-Induced Status Epilepticus in Mice: The Role of the Antioxidant and Anti-inflammatory Mechanism. Neurochemical Research, 47, 2, Neurochemical Research, 2022, ISSN:03643190, DOI:10.1007/s11064-021-03447-2, 327-334. SJR (Scopus):1.102, JCR-IF (Web of Science):4.414   **Q2 (Scopus)**   [Линк](https://link.springer.com/article/10.1007/s11064-021-03447-2) | 1.000 | 20.00 |
| 157 | Tsiapla, A.-R., **Uzunova, V.**, Oreshkova, T., Angelakeris, M., Samaras, T., Kalogirou, O., **Tzoneva, R.**. Cell behavioral changes after application of magneto-mechanical activation to normal and cancer cells. Magnetochemistry, 8, 21, MDPI, 2022, ISSN:2312-7481, DOI:https://doi.org/10.3390/magnetochemistry8020021, 1-13. JCR-IF (Web of Science):3.336   **Q2 (Scopus)**   [Линк](https://www.mdpi.com/journal/magnetochemistry) | 1.000 | 28.57 |
| 158 | Tzvetkov, N., Peeva, M., **Tsakovska, I.**, Milella, L., **Pajeva, I.**, Stammler, H.G.. The crystal structure of (4SR)-7- (3,4-dichlorobenzyl)-4,8,8-trimethyl- 7,8-dihydroimidazo[5,1c][1,2,4]triazine- 3,6(2H,4H)-dione, C 15 H 16 Cl 2 N 4 O 2. Z. Kristallogr. - N. Cryst. Struct., WALTER DE GRUYTER GMBH, 2022, DOI:https://doi.org/10.1515/ncrs-2022-0016, SJR (Scopus):0.182, JCR-IF (Web of Science):0.365   **Q4 (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000757935700001) | 1.000 | 33.33 |
| 159 | Uhr Z., **Dobrikova A.**, **Borisova P.**, **Yotsova E.**, Dimitrov E., Chipilsky R., **Popova A.V.**. Assessment of drought tolerance of eight varieties of common winter wheat – a comparative study. Bulg. J. Agric. Sci., 28, 4, Agricultural Academy of Bulgaria, 2022, ISSN:2534-983X, 668-676. SJR (Scopus):0.25   **Q3 (Scopus)**   [Линк](https://www.agrojournal.org/28/04-13.pdf) | 1.000 | 57.14 |
| 160 | Vasilev, Valentin, **Atanassov, Krassimir**, Sotirova, Evdokia. Generalized Net Model of the Upper Limb Arterial Supply System. Contemporary Methods in Bioinformatics and Biomedicine and Their Applications (BioInfoMed 2020). Series Lecture Notes in Networks and Systems, 374, Springer, 2022, DOI:10.1007/978-3-030-96638-6\_16, 145-153. SJR (Scopus):0.151   **Q4 (Scopus)**   [Линк](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127044112&doi=10.1007%2f978-3-030-96638-6_16&partnerID=40&md5=d5892560dc16b326e5419698506351ed) | 1.000 | 33.33 |
| 161 | Vasilev, Valentin, Sotirova, Evdokia, **Atanassov, Krassimir**. A generalized net model of the normal heart functioning. 16th National Conference on Operational and Systems Research (BOS/SOR) / 19th International Workshop on Intuitionistic Fuzzy Sets and Generalized Nets (IWIFSGN). Lecture Notes in Networks and Systems, 338, Springer, 2022, DOI:10.1007/978-3-030-95929-6\_31, 408-418. SJR (Scopus):0.151   **Q4 (Scopus)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000775291100031) | 1.000 | 33.33 |
| 162 | Vilhelmova-Ilieva, N., Atanasov, G., Simeonova, L., Dobreva, L., **Mancheva, K.**, Trepechova, M., Danova, S.. Anti-Herpes virus activity of Lactobacillus’ postbiotics. BioMedicine, 12, 1, Elsevier, 2022, ISSN:22118039, DOI:10.37796/2211-8039.1277, 21-29. SJR (Scopus):0.267   **Q3 (Scopus)**   [Линк](https://www.scopus.com/record/display.uri?eid=2-s2.0-85126281896&origin=resultslist&sort=plf-f&src=s&st1=Mancheva&st2=&nlo=1&nlr=20&nls=afprfnm-t&sid=212cd32f2bf029e29af008c4bdb43612&sot=anl&sdt=aut&sl=36&s=AU-ID%28%22Mancheva%2c+Kapka%22+57194895955) | 1.000 | 14.29 |
| 163 | Vitkova V., **Staneva G.**, **Hazarosova R.**, Georgieva S. I., Valkova I., Antonova K., Todorov P.. Interaction of new VV-hemorphin-5 analogues with cell membrane models. COLLOIDS AND SURFACES B-BIOINTERFACES, 220, Elsevier, 2022, ISSN:0927-7765; 1873-4367, DOI:https://doi.org/10.1016/j.colsurfb.2022.112896, JCR-IF (Web of Science):5.999   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000875413400005) | 1.000 | 28.57 |
| 164 | Vitkova V., **Staneva G.**, **Hazarosova R.**, Georgieva S. I., Valkova I., Antonova K., Todorov P.. Valorphins alter physicochemical characteristics of phosphatidylcholine membranes: Datasets on lipid packing, bending rigidity, specific electrical capacitance, dipole potential, vesicle size. Data in Brief, 45, Elsevier, 2022, ISSN:23523409, DOI:10.1016/j.dib.2022.108716, 1-11. SJR (Scopus):0.13   **Q4 (Scopus)**   [Линк](https://www2.scopus.com/record/display.uri?eid=2-s2.0-85141499681&origin=resultslist&sort=plf-f) | 1.000 | 28.57 |
| 165 | Vitkova, V., **Hazarosova, R.**, Antonova, K., Mitkova, D., **Yordanova, V.**, **Momchilova, A.**, **Staneva, G.**. Resveratrol Stiffens 1-palmitoyl-2-oleoyl-snglycero-3-phosphocholine Bilayers. Lecture Notes in Networks and Systems, 374, Springer, 2022, ISSN:2367-3370; 2367-3389, DOI:10.1007/978-3-030-96638-6\_38, 363-371. SJR (Scopus):0.15   **Q4 (Scopus)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000841720600038) | 1.000 | 57.14 |
| 166 | Yankova, R, Tankov, I, Mihov, D, **Kostadinova ,A**. Coordination metal effect on the nonlinear optical properties and biological activity of double selenates. Journal of Molecular Structure, 1268, 133712, 2022, ISSN:0022-2860, DOI:10.1016/j.molstruc.2022.133712, SJR (Scopus):0.48, JCR-IF (Web of Science):3.841   **Q2 (Scopus)**   [Линк](https://www.scopus.com/record/display.uri?eid=2-s2.0-85134662451&origin=resultslist&sort=plf-f&src=s&st1=Kostadinova&st2=Aneliya&nlo=1&nlr=20&nls=count-f&sid=cf4f96475d80eb453fe2c998f30eb1fd&sot=anl&sdt=aut&sl=41&s=AU-ID%28%22Kostadinova%2c+Aneliya%252) | 1.000 | 25.00 |
| 167 | Yue, J., Mei, Z.Y., **Ivanov, K.**, Li, Y., He, T., Zeng, H.. Gait Recognition by Sensing Insole Using a Hybrid CNN-Attention-LSTM Network. Lecture Notes in Computer Science, 13628, Springer, Cham, 2022, ISBN:978-3-031-20233-9, DOI:10.1007/978-3-031-20233-9\_49, 484-492. SJR (Scopus):0.407   **Q2 (Scopus)**   [Линк](https://link.springer.com/chapter/10.1007/978-3-031-20233-9_49) | 1.000 | 16.67 |
| 168 | Zeng, H., Yi, S., Mei, Z., He, T., Yue, J., **Ivanov, K.**, Mei, Z.Y.. Identity Authentication Using a Multimodal Sensing Insole - A Feasibility Study. Lecture Notes in Computer Science, 13628, Springer, Cham, 2022, ISBN:978-3-031-20233-9, DOI:10.1007/978-3-031-20233-9\_50, 493-500. SJR (Scopus):0.407   **Q2 (Scopus)**   [Линк](https://link.springer.com/chapter/10.1007/978-3-031-20233-9_50) | 1.000 | 14.29 |
| 169 | Дядовски И., **Петров М.**, **Илкова Т**. Анализ и моделиране на речни екосистеми. Авангард Прима, 2022, ISBN:978-619-239-810-1, 250   **Друго** | 1.000 | 66.67 |
| Коригиран брой: 169.000 |

**II. Научни публикации в издания, индексирани в WoS, Scopus, ERIH+
(публикувани)**

* **Звено: ( ИББИ ) Институт по биофизика и биомедицинско инженерство**
* **Секция**:
( ИББИ ) Биомакромолекули и биомолекулни взаимодействия
( ИББИ ) Лаборатория: Трансмембранна сигнализация
( ИББИ ) Липид-белтъчни взаимодействия
( ИББИ ) Управление на двигателната дейност
( ИББИ ) QSAR и молекулно моделиране
( ИББИ ) Биоинформатика и математическо моделиране
( ИББИ ) Електроиндуцирани и адхезивни свойства
( ИББИ ) Обработка и анализ на биомедицински сигнали и данни
( ИББИ ) Фотовъзбудими мембрани
* **Тип на публикацията**:
Глава от научна монография
Студия в научно списание
Статия в научно списание
Статия в сборник на научен форум
Студия в тематичен сборник
Статия в тематичен сборник
Научно съобщение
* **Статус на изданието**:
Q1 - оглавява ранглистата
Q1, не оглавява ранглистата
Q2
Q3
Q4
SJR, непопадащ в Q категория
Без JCR или SJR – индексиран в WoS или Scopus
Индексирано в ERIH+
* **Година на публикуване**: 2022 ÷ 2022
* **Тип записи**: Записи, които влизат в отчета на звеното

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| --- | --- | --- | --- |
| **№** | **Публикация** | **Коригиращ Коефициент** | **Процент автори от звеното** |
| 1 | **Alov P.**, **Al Sharif M.**, Najdenski H., **Pencheva T.**, **Tsakovska I.**, Zaharieva, M.M., **Pajeva I.**. New Potential Pharmacological Targets of Plant-Derived Hydroxyanthra-quinones from Rubia spp.. Molecules, 27, MDPI, 2022, DOI:10.3390/molecules27103274, 3274. JCR-IF (Web of Science):4.927   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://doi.org/10.3390/molecules27103274) | 1.000 | 71.43 |
| 2 | **Alov P.**, **Stoimenov H.**, **Lessigiarska I.**, **Pencheva T.**, Tzvetkov N.T., **Pajeva I.**, **Tsakovska I.**. In Silico Identification of Multi-Target Ligands as Promising Hit Compounds for Neurodegenerative Diseases Drug Development. International Journal of Molecular Sciences, 23, 21, MDPI (Basel, Switzerland), 2022, ISSN:1422-0067, DOI:10.3390/ijms232113650, 13650. SJR (Scopus):1.18, JCR-IF (Web of Science):6.208   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://doi.org/10.3390/ijms232113650) | 1.000 | 85.71 |
| 3 | **Alov P**, **Tsakovska I**, **Pajeva I**. Hybrid Classification/Regression Approach to QSAR Modeling of Stoichiometric Antiradical Capacity Assays’ Endpoints. Molecules, 27, 7, MDPI, 2022, ISSN:1420-3049, DOI:10.3390/molecules27072084, 2084. SJR (Scopus):0.782, JCR-IF (Web of Science):4.412   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://doi.org/10.3390/molecules27072084) | 1.000 | 100.00 |
| 4 | **Alov, P.**, **Al Sharif, M.**, Aluani, D., Chegaev, K., Dinic, J., Rankov, A.D., Fernandes, M.X., Fusi, F., García-Sosa, A.T., Juvonen, R., Kondeva-Burdina, M., Padrón, J.M., **Pajeva, I.**, **Pencheva, T.**, Puerta, A., Raunio, H., Riganti, C., **Tsakovska, I.**, Tzankova, V., Yordanov, Y., Saponara, S.. A Comprehensive Evaluation of Sdox, a Promising H2S-Releasing Doxorubicin for the Treatment of Chemoresistant Tumors. Frontiers in Pharmacology, 13, 831791, Frontiers, 2022, ISSN:1663-9812, DOI:10.3389/fphar.2022.831791, SJR (Scopus):1.38, JCR-IF (Web of Science):5.988   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://www.frontiersin.org/articles/10.3389/fphar.2022.831791/full) | 1.000 | 23.81 |
| 5 | **Atanassov, K.**, Shannon, A., Sotirova, E., Vasilev, V., Sotirov, S.. Generalized Net Model for Collecting, Evaluating and Including of Facts in the Educational Content. Advances in Intelligent Systems Research and Innovation (V. Sgurev et al., Eds.), Studies in Systems, Decision and Control, 379, Springer, 2022, DOI:https://doi.org/10.1007/978-3-030-78124-8\_15, 341-348. SJR (Scopus):0.135   **Q4 (Scopus)**   [Линк](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118764921&doi=10.1007%2f978-3-030-78124-8_15&partnerID=40&md5=d5c3affdee79cffdc1e552529cd3e792) | 1.000 | 20.00 |
| 6 | **Atanassov, K.**. Intuitionistic Fuzziness, Standard and Extended Modality. Advances in Intelligent Systems Research and Innovation (V. Sgurev et al., Eds.), Studies in Systems, Decision and Control, 379, Springer, 2022, DOI:https://doi.org/10.1007/978-3-030-78124-8\_12, 269-285. SJR (Scopus):0.135   **Q4 (Scopus)**   [Линк](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85118792352&doi=10.1007%2f978-3-030-78124-8_12&partnerID=40&md5=b4c288461edae5604a6d46a46a68ae6b) | 1.000 | 100.00 |
| 7 | **Atanassov, K.**. On the Temporal Intuitionistic Fuzzy Sets. Proceedings of the Intelligent and Fuzzy Systems, Digital Acceleration and The New Normal Conference, 2022, Istanbul, (Cengiz Kahraman et al., Eds.), Volume 1, In:- Lecture Notes in Networks and Systems, 504, Springer, 2022, DOI:10.1007/978-3-031-09173-5\_61, 519-528. SJR (Scopus):0.11   **Q4 (Scopus)**   [Линк](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135044467&doi=10.1007%2f978-3-031-09173-5_61&partnerID=40&md5=23a0a6eb8cee1f1e79e7b0526da7a6a0) | 1.000 | 100.00 |
| 8 | **Atanassov, Krassimir T.**, Atanassova, L. C., Shannon, A. G.. On combined 3-Fibonacci sequences. Notes on Number Theory and Discrete Mathematics, 28, 4, 2022, DOI:10.7546/nntdm.2022.28.4.758-764, 758-764   **Без JCR или SJR – индексиран в WoS или Scopus (Web of Science)** | 1.000 | 33.33 |
| 9 | **Atanassov, Krassimir T.**, Bureva, Veselina. Two new operations over extended index matrices and their applications in Big Data. Proceedings of the 17th Conference on Computer Science and Intelligence Systems, FedCSIS 2022, 2022, ISBN:978-839658971-2, DOI:10.15439/2022F300, 1-6   **Без JCR или SJR – индексиран в WoS или Scopus (Scopus)**   [Линк](https://www.scopus.com/record/display.uri?eid=2-s2.0-85141157075&origin=resultslist&sort=plf-f&src=s&nlo=&nlr=&nls=&sid=245328633c4a013174893933a4ab20c0&sot=aut&sdt=cl&cluster=scopubyr%2c%222022%22%2ct&sl=17&s=AU-ID%287006934987%29&relpos=11&citeCnt=) | 1.000 | 50.00 |
| 10 | **Atanassov, Krassimir T.**. Extended Temporal-level Operator Over Intuitionistic Fuzzy Sets. Journal of Multiple-Valued Logic and Soft Computing, 39, 5-6, Old City Publishing Inc, 2022, 385-399. SJR (Scopus):0.234, JCR-IF (Web of Science):0.78   **Q2 (Web of Science)**   [Линк](https://www.oldcitypublishing.com/journals/mvlsc-home/mvlsc-issue-contents/mvlsc-volume-39-number-5-6-2022/mvlsc-39-5-6-p-385-399/) | 1.000 | 100.00 |
| 11 | **Atanassov, Krassimir T.**. Intuitionistic Fuzzy Modal Topological Structure. Mathematics, 10, MDPI, 2022, DOI:10.3390/ math10183313, 3313. JCR-IF (Web of Science):2.592   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000857025400001) | 1.000 | 100.00 |
| 12 | **Atanassov, Krassimir T.**. Objects generated by an arbitrary natural number. Part 2: Modal aspect. Notes on Number Theory and Discrete Mathematics, 28, 3, 2022, DOI:10.7546/nntdm.2022.28.3.558-563, 558-563   **Без JCR или SJR – индексиран в WoS или Scopus (Web of Science)**   [Линк](https://nntdm.net/volume-28-2022/number-3/558-563/) | 1.000 | 100.00 |
| 13 | **Atanassov, Krassimir T.**. On two new combined 3-Fibonacci sequences. Part 3. Notes on Number Theory and Discrete Mathematics, 28, 1, 2022, DOI:10.7546/nntdm.2022.28.1.143-146, 143-146   **Без JCR или SJR – индексиран в WoS или Scopus (Web of Science)** | 1.000 | 100.00 |
| 14 | **Atanassov, Krassimir T.**. Temporal-Level Operators Over Intuitionistic Fuzzy Sets. 16th National Conference on Operational and Systems Research (BOS/SOR) / 19th International Workshop on Intuitionistic Fuzzy Sets and Generalized Nets (IWIFSGN). Lecture Notes in Networks and Systems, Vol. 338: Uncertainty and imprecision in Decision Making and Decision Support, 2022, DOI:10.1007/978-3-030-85577-2\_1, 3-11. SJR (Scopus):0.151   **Q4 (Scopus)**   [Линк](https://www.scopus.com/record/display.uri?eid=2-s2.0-85115219431&origin=resultslist&sort=plf-f&src=s&nlo=&nlr=&nls=&sid=245328633c4a013174893933a4ab20c0&sot=aut&sdt=cl&cluster=scopubyr%2c%222022%22%2ct&sl=17&s=AU-ID%287006934987%29&relpos=32&citeCnt=) | 1.000 | 100.00 |
| 15 | **Atanassov, Krassimir T.**. Two 2-Fibonacci sequences generated by a mixed scheme. Part 1. Notes on Number Theory and Discrete Mathematics, 28, 2, Prof. Marin Drinov Academic Publishing House, Sofia, Bulgaria, 2022, DOI:10.7546/nntdm.2022.28.2.331-338, 331-338   **Без JCR или SJR – индексиран в WoS или Scopus (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000824438300013) | 1.000 | 100.00 |
| 16 | **Atanassov, Krassimir**, **Marinov, Evgeniy**, **Vassilev, Peter**. An interval-valued intuitionistic fuzzy estimation of the area of 2D-figures based on Pick’s formula. 16th National Conference on Operational and Systems Research (BOS/SOR) / 19th International Workshop on Intuitionistic Fuzzy Sets and Generalized Nets (IWIFSGN). Lecture Notes in Networks and Systems, Vol. 338: Uncertainty and imprecision in Decision Making and Decision Support, 338, Springer, 2022, DOI:10.1007/978-3-030-95929-6\_7, 85-91   **Без JCR или SJR – индексиран в WoS или Scopus (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000775291100007) | 1.000 | 100.00 |
| 17 | **Atanassov, Krassimir**, Bureva, Veselina. Index matrix representation of Big Data structures. Comptes rendus de l’Academie bulgare des Sciences, 75, 5, Prof. Marin Drinov Academic Publishing House, Sofia, Bulgaria, 2022, DOI:10.7546/CRABS.2022.05.12, 719-725. JCR-IF (Web of Science):0.326   **Q3 (Scopus)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000811276300012) | 1.000 | 50.00 |
| 18 | **Chorukova E.**, **Roeva O.**, **Atanassov, K**. Generalized net model of Ant Lion Optimizer. Lecture Notes in Networks and Systems, 374, Springer, 2022, ISBN:978-3-030-96637-9, ISSN:2367-3370, DOI:https://doi.org/10.1007/978-3-030-96638-6\_17, 154-162. SJR (Scopus):0.17   **Q4 (Web of Science)**   [Линк](https://link.springer.com/chapter/10.1007/978-3-030-96638-6_17) | 1.000 | 100.00 |
| 19 | **Chorukova, E.**, Kabaivanova, L., Hubenov, V., Simeonov, I., **Roeva, O.**. Mathematical Model of a Thermophilic Anaerobic Digestion for Methane Production of Wheat Straw. Processes, 10, 4, MDPI, 2022, ISSN:2227-9717, DOI:https://doi.org/10.3390/pr10040742, 742. JCR-IF (Web of Science):3.352   **Q2 (Web of Science)**   [Линк](https://www.mdpi.com/2227-9717/10/4/742) | 1.000 | 40.00 |
| 20 | **Dobrev D**, **Neycheva T**. High-quality biopotential acquisition without a reference electrode: power-line interference reduction by adaptive impedance balancing in a mixed analog–digital design. Medical & Biological Engineering & Computing, 60, Springer Nature Switzerland AG, 2022, ISSN:0140-0118, DOI:10.1007/s11517-022-02586-0, 1801-1814. JCR-IF (Web of Science):3.079   **Q2 (Web of Science)**   [Линк](https://link.springer.com/article/10.1007/s11517-022-02586-0) | 1.000 | 100.00 |
| 21 | **Dobrev D**, **Neycheva T**. Open-loop Software Automatic Gain Control: Common-mode Power-line Interference Stabilization During ECG Recording. XXXI International Scientific Conference Electronics (ET), 2022, IEEE, 2022, ISBN:978-1-6654-9878-4, DOI:10.1109/ET55967.2022.9920322, 1-6   **Без JCR или SJR – индексиран в WoS или Scopus (Scopus)**   [Линк](https://ieeexplore.ieee.org/document/9920322) | 1.000 | 100.00 |
| 22 | **Dobrikova A.**, **Apostolova E.**, Adamakis I.-D.S., Hanc A., Sperdouli I., Moustakas M.. Combined impact of excess zinc and cadmium on elemental uptake, leaf anatomy and pigments, antioxidant capacity, and function of photosynthetic apparatus in clary sage (Salvia sclarea L.). Plants, 11, 18, MDPI, 2022, DOI:10.3390/plants11182407, 2407. SJR (Scopus):0.765, JCR-IF (Web of Science):4.658   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://doi.org/10.3390/plants11182407) | 1.000 | 33.33 |
| 23 | **Dobrikova A.**, **Borisova P.**, **Yotsova E.**, Chipilski R., Dimitrov E., Uhr Z., Todorovska E., **Popova A.V.**. Application of fast biochemical stress markers for evaluation of drought tolerance of four common winter wheat varieties. Comp. Rend. Acad. Bulg. Sci., 75, 5, 2022, DOI:10.7546/CRABS.2022.05.18, 773-782. SJR (Scopus):0.194, JCR-IF (Web of Science):0.378   **Q3 (Scopus)**   [Линк](https://doi.org/10.7546/CRABS.2022.05.18) | 1.000 | 50.00 |
| 24 | **Garvanski I**, **Matveev M**, **Krasteva V**, **Stoyanov T**, Simova Y. On a Possible Approach to Risk Prediction of Recurrence of Atrial Fibrillation аfter Catheter Ablation According to Data from the Pre-procedure Period. International Journal Bioautomation, 26, 1, 2022, ISSN:1314-1902, DOI:10.7546/ijba.2022.26.1.000869, 37-66. SJR (Scopus):0.198   **Q3 (Scopus)**   [Линк](https://biomed.bas.bg/bioautomation/2022/vol_26.1/files/26.1_03.pdf) | 1.000 | 80.00 |
| 25 | **Iliev, I.**, Sulikovska, I., Ivanova, E., Dimitrova, M., **Nikolova, B.**, Andreeva, C.. Validation of a Light Source for Phototoxicity in in vitro Conditions. Int. J. BIOautomation, 26, 2, Institute of Biophysics and Biomedical Engineering, 2022, ISSN:1314-1902, DOI:10.7546/ijba.2022.26.2.000837, 141-152. SJR (Scopus):0.198   **Q3 (Scopus)**   [Линк](https://biomed.bas.bg/bioautomation/2022/vol_26.2/files/26.2_02.pdf) | 1.000 | 33.33 |
| 26 | **Ivanov A.G.**, Krol M., Savitch L.V., Szyszka‑Mroz B., Roche J., Sprott D. P., Selstam E., Wilson K.W., Gardiner R., Öquist G., Hurry V.M., Hüner N.P.A.. The decreased PG content of pgp1 inhibits PSI photochemistry and limits reaction center and light‑harvesting polypeptide accumulation in response to cold acclimation. Planta, 55, 36, 2022, DOI:https://doi.org/10.1007/s00425-022-03819-0, JCR-IF (Web of Science):4.116   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://link.springer.com/article/10.1007/s00425-022-03819-0) | 1.000 | 8.33 |
| 27 | **Jekova I**, **Christov I**, **Krasteva V**. Atrioventricular Synchronization for Detection of Atrial Fibrillation and Flutter in One to Twelve ECG Leads Using a Dense Neural Network Classifier. Sensors, 22, 16, MDPI, 2022, ISSN:1424-8220, DOI:10.3390/s22166071, 6071. SJR (Scopus):0.803, JCR-IF (Web of Science):3.847   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://www.mdpi.com/1424-8220/22/16/6071) | 1.000 | 100.00 |
| 28 | **Jereva D.**, **Alov P.**, **Tsakovska I.**, **Angelova M.**, **Atanassova V.**, **Vassilev P.**, Ikonomov N., **Atanassov K.**, **Pajeva I.**, **Pencheva T.**. Application of InterCriteria Analysis to Assess the Performance of Scoring Functions in Molecular Docking Software Packages. Mathematics, 10, MDPI, 2022, DOI:10.3390/math10152549, 2549. SJR (Scopus):0.538, JCR-IF (Web of Science):2.592   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000839700900001) | 1.000 | 90.00 |
| 29 | **Jereva D.**, **Angelova M.**, **Tsakovska I.**, **Alov P.**, **Pajeva I.**, Miteva M., **Pencheva T.**. An Application of InterCriteria Analysis Approach to Assess the AMMOS Software Platform Outcomes. Biomath, 11, 1, 2022, DOI:10.55630/j.biomath.2022.03.068, 2203068. SJR (Scopus):0.246   **Q3 (Scopus)**   [Линк](https://doi.org/10.55630/j.biomath.2022.03.068) | 1.000 | 85.71 |
| 30 | **Jereva, D.**, **Angelova, M.**, **Tsakovska, I.**, **Alov, P.**, **Pajeva, I.**, Miteva, M., **Pencheva, T.**. InterCriteria Analysis Approach for Decision-making in Virtual Screening: Comparative Study of Various Scoring Functions. Lecture Notes in Networks and Systems, 374, Springer, 2022, DOI:https://doi.org/10.1007/978-3-030-96638-6\_8, 67-78. SJR (Scopus):0.151   **Q4 (Scopus)**   [Линк](https://www.scopus.com/sourceid/4900152708?origin=resultslist) | 1.000 | 85.71 |
| 31 | **Kostadinova, A.**, **Hazarosova, R.**, Topouzova-Hristova, T., Moyankova, D., **Yordanova, V.**, **Veleva, R.**, **Nikolova, B.**, **Momchilova, A.**, Djilianov, D., **Staneva, G.**. Myconoside interacts with the plasma membranes and the actin cytoskeleton and provokes cytotoxicity in human lung adenocarcinoma A549 cells.. J. Bioenerg. Biomembr, 54, 1, Springer New York, 2022, ISSN:0145479X, 15736881, DOI:DOI10.1007/s10863-021-09928-x, 31-43. JCR-IF (Web of Science):3.853   **Q2 (Web of Science)**   [Линк](https://www.scopus.com/record/display.uri?eid=2-s2.0-85122322183&origin=resultslist&sort=plf-f&featureToggles=FEATURE_NEW_DOC_DETAILS_EXPORT:1) | 1.000 | 70.00 |
| 32 | **Kostadinova, A.**, **Staneva, G.**, Topouzova, T., Moyankova, D., **Yordanova, V.**, **Veleva, R.**, **Nikolova, B.**, **Momchilova, A.**, Djilianov, D., **Hazarosova, R.**. Myconoside Affects the Viability of Polarized Epithelial MDCKII Cell Line by Interacting with the Plasma Membrane and the Apical Junctional Complexes. Separations, 9, 9, MDPI, 2022, ISSN:2297-8739, DOI:10.3390/separations9090239, 1-12. JCR-IF (Web of Science):3.344   **Q2 (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000857662800001) | 1.000 | 70.00 |
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| 34 | **Krumova, Sashka**, **Todinova, Svetla**, **Taneva, Stefka G.**. Calorimetric Markers for Detection and Monitoring of Multiple Myeloma. Cancers (Basel) ., 14, 16, MDPI, 2022, DOI:https://doi.org/10.3390/cancers14163884, 3884. SJR (Scopus):1.349, JCR-IF (Web of Science):6.575   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://www.mdpi.com/2072-6694/14/16/3884) | 1.000 | 100.00 |
| 35 | **Langari, Ariana**, **Strijkova, Velichka**, Komsa-Penkova, Regina, **Danailova, Avgustina**, **Krumova, Sashka**, **Taneva, Stefka G.**, **Giosheva, Ina**, Gartchev, Emil, Kercheva, Kamelia, Savov, Alexey, **Todinova, Svetla**. Morphometric and Nanomechanical Features of Erythrocytes Characteristic of Early Pregnancy Loss. International Journal of Molecular Sciences, 23, 9, MDPI, 2022, ISSN:1661-6596, DOI:10.3390/ijms23094512, SJR (Scopus):1.176, JCR-IF (Web of Science):6.208   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://www.scopus.com/record/display.uri?eid=2-s2.0-85128392026&origin=resultslist&sort=plf-f&src=s&st1=Todinova&st2=S.&nlo=1&nlr=20&nls=count-f&sid=752a288eab1162d4f78b04f3286b41a1&sot=anl&sdt=aut&sl=39&s=AU-ID%28%22Todinova%2c+Svetla+J.%22+6507282) | 1.000 | 63.64 |
| 36 | **Mancheva, K.**, **Kossev, A.**. Hemisphere asymmetry during different levels of co-activation of antagonist muscles: a transcranial magnetic stimulation study. Comptes rendus de l’Académie bulgare des Sciences, 75, 3, 2022, ISSN:1310-1331, DOI:10.7546/CRABS.2022.03.07, 379-386. SJR (Scopus):0.194, JCR-IF (Web of Science):0.326   **Q3 (Scopus)**   [Линк](https://www.scopus.com/record/display.uri?eid=2-s2.0-85128264597&origin=resultslist&sort=plf-f&src=s&st1=Hemisphere+asymmetry+during+different+levels+of+co-activation+of+antagonist+muscles%3a+a+transcranial+magnetic+stimulation+study&sid=e257a3302898) | 1.000 | 100.00 |
| 37 | **Matveev M**, **Roeva O**, **Petrov M**, Tsonev S. Differences in Ischemia Mechanism in Coronary Artery Disease and Cardiac Syndrome X. Lecture Notes in Networks and Systems, 374, Springer, Cham, 2022, ISBN:978-3-030-96637-9, ISSN:2367-3370, DOI:10.1007/978-3-030-96638-6\_35, 332-341. SJR (Scopus):0.151   **Q4 (Scopus)**   [Линк](https://link.springer.com/chapter/10.1007/978-3-030-96638-6_35) | 1.000 | 75.00 |
| 38 | **Momchilova A.**, Nikolaev G., **Pankov S.,**, Vassileva E., Krastev N, Robev B., Krastev D., Pinkas A., Pankov R.. Effect of Quercetin and Fingolimod, Alone or in Combination, on the Sphingolipid Metabolism in HepG2 Cells. 23, 22, MDPI, 2022, DOI:doi.org/10.3390/ijms232213916, 13916. JCR-IF (Web of Science):6.208   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://www.mdpi.com/1422-0067/23/22/13916) | 1.000 | 22.22 |
| 39 | **Momchilova A.**, Pankov R., **Staneva G.**, **Pankov S.**, Krastev P., Vassileva E., **Hazarosova R.**, Krastev N., Robev B., **Nikolova B.**, Pinkas A.. Resveratrol Affects Sphingolipid Metabolism in A549 Lung Adenocarcinoma Cells. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, 23, 18, MDPI, 2022, ISSN:1422-0067, DOI:10.3390/ijms231810870, JCR-IF (Web of Science):6.208   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000858261400001) | 1.000 | 45.45 |
| 40 | **Momchilova A**, Pankov R, **Alexandrov A**, **Markovska T**, **Pankov S**, Krastev P, **Staneva G**, Vassileva E, Krastev N, Pinkas A. Sphingolipid Catabolism and Glycerophospholipid Levels Are Altered in Erythrocytes and Plasma from Multiple Sclerosis Patients. Int. J. Mol. Sci., 23, 2022, 7592. JCR-IF (Web of Science):6.208   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://doi.org/10.3390/ijms23147592) | 1.000 | 50.00 |
| 41 | **Neycheva T**, **Dobrev D**, **Krasteva V**. Common-Mode Driven Synchronous Filtering of the Powerline Interference in ECG. Applied Sciences, 12, 22, MDPI, 2022, ISSN:2076-3417, DOI:10.3390/app122211328, 11328-1-29. JCR-IF (Web of Science):2.838   **Q2 (Web of Science)**   [Линк](https://www.mdpi.com/2076-3417/12/22/11328) | 1.000 | 100.00 |
| 42 | **Neycheva T**, **Dobrev D**. Design of Fractional Filters for Power-line Interference Suppression in ECG Signals. XXXI International Scientific Conference Electronics (ET), 2022, IEEE, 2022, ISBN:978-1-6654-9878-4, DOI:10.1109/ET55967.2022.9920330, 1-6   **Без JCR или SJR – индексиран в WoS или Scopus (Scopus)**   [Линк](https://ieeexplore.ieee.org/document/9920330) | 1.000 | 100.00 |
| 43 | **Popova A.V.**, **Borisova P.**, Mihailova G., Georgieva K.. Antioxidative response of Arabidopsis thaliana to combined action of low temperature and high light illumination when lutein is missing. Acta Physiologiae Plantarum, 44, art. num. 10, Springer, 2022, DOI:10.1007/s11738-021-03342-x, JCR-IF (Web of Science):2.736   **Q2 (Scopus)**   [Линк](https://link.springer.com/article/10.1007/s11738-021-03342-x) | 1.000 | 50.00 |
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| 47 | **Ribagin, S.**, Grozeva, A., Popova, G.. Generalized Net Model of Telerehabilitation Program for Patients with Socially Significant Diseases. Contemporary Methods in Bioinformatics and Biomedicine and Their Applications, 374, Lecture Notes in Computer Science, 2022, ISBN:978-3-030-96638-6, 91-99. SJR (Scopus):0.15   **Q4 (Scopus)**   [Линк](https://link.springer.com/chapter/10.1007/978-3-030-96638-6_10#citeas) | 1.000 | 33.33 |
| 48 | **Ribagin, S.**. Possible Application of Generalized Nets in Telemedicine Screening of Corona Virus Disease 2019 (COVID-19). Contemporary Methods in Bioinformatics and Biomedicine and Their Applications., 374, Lecture Notes in Computer Science, 2022, ISBN:978-3-030-96638-6, 139-144. SJR (Scopus):0.15   **Q4 (Scopus)**   [Линк](https://link.springer.com/chapter/10.1007/978-3-030-96638-6_15#citeas) | 1.000 | 100.00 |
| 49 | **Ribagin, Simeon**, Sotirov, Sotir, Sotirova, Evdokia, Hristozov, Iasen, **Atanassov, Krassimir**. Intuitionistic Fuzzy Generalized Net Model of the Humanoid Service Robot Functionalities. Digital Acceleration and The New Normal Conference, 2022, Istanbul, (Cengiz Kahraman et al., Eds.), Volume 1, In:- Lecture Notes in Networks and Systems, 504, Springer, 2022, DOI:10.1007/978-3-031-09173-5\_62, 529-536. SJR (Scopus):0.151   **Q4 (Scopus)**   [Линк](https://www.scopus.com/inward/record.uri?eid=2-s2.0-85135072183&doi=10.1007%2f978-3-031-09173-5_62&partnerID=40&md5=a964e3d4d7b0ed92eaf4b5e4f731437f) | 1.000 | 40.00 |
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| 51 | **Semkova S.,**, Ivanova D, **Nikolova B.,**, Zlateva G.,, Bakalova R, **Zhelev Z.,**, Aoki I. Inhibition of ATP-synthase potentiates cytotoxicity of combination drug menadione/ascorbate in leukaemia lymphocytes. Biotechnol. Biotechnol. Equip, 35, 1, Taylor & Francis, 2022, ISSN:13102818, 13143530, 1738-1744. SJR (Scopus):0.377, JCR-IF (Web of Science):1.762   **Q3 (Scopus)**   [Линк](https://www.tandfonline.com/doi/pdf/10.1080/13102818.2021.1996268) | 1.000 | 42.86 |
| 52 | **Silvija Angelova**, Emil Petrov, Plamen Raykov, **Rositsa Raikova**. Experimental Testing of a Prototype of an Active Elbow Orthosis Based on in vivo Investigation of Elbow Flexion/Extension of Healthy Subjects. International Journal of Bioautomation, 26, 2, Institute of Biophysics and Biomedical Engineering, 2022, DOI:doi: 10.7546/ijba.2022.26.2.000865, 161-174. SJR (Scopus):0.198   **Q3 (Scopus)**   [Линк](https://biomed.bas.bg/bioautomation/2022/vol_26.2/files/26.2_04.pdf) | 1.000 | 50.00 |
| 53 | **Stefanov, M.**, **Rashkov, G.**, **Apostolova, E.**. Assessment of the Photosynthetic Apparatus Functions by Chlorophyll Fluorescence and P700 Absorbance in C3 and C4 Plants under Physiological Conditions and under Salt Stress. Int. J. Mol. Sci, 23, 3768, MDPI (Switzerland), 2022, DOI:10.3390/ijms23073768, JCR-IF (Web of Science):6.208   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://doi.org/10.3390/ijms23073768) | 1.000 | 100.00 |
| 54 | **Stoichev, S.**, **Danailova, A.**, **Iliev, I.**, Sulikovska, I., **Strijkova, V.**, Mladenova, K., **Andreeva, T.**. Fabrication and Biocompatibility of Layer-by-layer Assembled Composite Graphene Oxide-polysaccharide Microcapsules. Int. J. BIOautomation, 26, 3, Institute of Biophysics and Biomedical Engineering, 2022, ISSN:1314-1902, DOI:10.7546/ijba.2022.26.3.000843, 225-240. SJR (Scopus):0.198   **Q3 (Scopus)**   [Линк](https://www.scopus.com/record/display.uri?eid=2-s2.0-85139999403&origin=resultslist&sort=plf-f) | 1.000 | 71.43 |
| 55 | **Stoyanov T**. Web-Based Software Tool for Electrocardiogram Annotation. Lecture Notes in Networks and Systems, 374, Springer, Cham, 2022, ISBN:978-3-030-96637-9, ISSN:2367-3370, DOI:10.1007/978-3-030-96638-6\_34, 322-331. SJR (Scopus):0.151   **Q4 (Scopus)**   [Линк](https://link.springer.com/chapter/10.1007/978-3-030-96638-6_34) | 1.000 | 100.00 |
| 56 | **Stratiev, D.**, I. Shishkova, R. Dinkov, I.Kolev, G. Argirov, V. Ivanov, **S. Ribagin**, **V. Atanassova**, **K. Atanassov**, **D. Stratiev**, S. Nenov, D. Pilev. Intercriteria Analysis to Diagnose the Reasons for Increased Fouling in a Commercial Ebullated Bed Vacuum Residue Hydrocracker. ACS Omega, 7, 34, American Chemical Society, 2022, ISSN:24701343, DOI:10.1021/acsomega.2c03876, 30462-30476. SJR (Scopus):0.708, JCR-IF (Web of Science):4.132   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://pubs.acs.org/doi/full/10.1021/acsomega.2c03876) | 1.000 | 41.67 |
| 57 | **Stratiev, D.**, I.Shishkova, R.Dinkov, S. Nenov, S.Sotirov, E. Sotirova, I. Kolev, V. Ivanov, **S. Ribagin**, **K. Atanassov**, D. Stratiev, D. Yordanov. Prediction of petroleum viscosity from molecular weight and density. Fuel, 331, Elsevier, 2022, ISSN:00162361, DOI:10.1016/j.fuel.2022.125679, 125679. SJR (Scopus):1.514, JCR-IF (Web of Science):8.035   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://www.sciencedirect.com/science/article/pii/S001623612202508X) | 1.000 | 25.00 |
| 58 | **Stratiev, D.**, Nenov, S., Sotirov, S., Shishkova, I., Palichev, G., Sotirova, E., Ivanov, V., **Atanassov, K.**, **Ribagin, S.**, Angelova, N.. Petroleum viscosity modeling using least squares and ANN methods. Journal of Petroleum Science and Engineering, 212, 110306, Elsevier, 2022, ISSN:09204105, DOI:https://doi.org/10.1016/j.petrol.2022.110306, SJR (Scopus):1.062, JCR-IF (Web of Science):5.168   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://doi.org/10.1016/j.petrol.2022.110306) | 1.000 | 30.00 |
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| 60 | **Stratiev, D.**, Shishkova, I., Palichev, G.N., **Atanassov, K.**, **Ribagin, S.**, Nenov, S., Nedanovski, D., Ivanov, V.. Study of Bulk Properties Relations to SARA Composition Data of Various Vacuum Residues Employing Intercriteria Analysis. Energies, 15, MDPI, 2022, DOI:10.3390/en15239042, 9042. SJR (Scopus):0.653, JCR-IF (Web of Science):3.252   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://doi.org/10.3390/en15239042) | 1.000 | 37.50 |
| 61 | **Stratiev, Danail**, Zoteva, Dafina, Stratiev, Dicho, **Atanassov, Krassimir**. Modelling the Process of Production of Automotive Gasoline by the Use of Generalized Nets. 16th National Conference on Operational and Systems Research (BOS/SOR) / 19th International Workshop on Intuitionistic Fuzzy Sets and Generalized Nets (IWIFSGN). Lecture Notes in Networks and Systems, 338, Springer, 2022, DOI:10.1007/978-3-030-95929-6\_27, 349-365   **Без JCR или SJR – индексиран в WoS или Scopus (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000775291100027) | 1.000 | 50.00 |
| 62 | **Strijkova V.**, **Todinova S.**, **Andreeva T.**, **Langari A.**, Bogdanova D., Zlatareva E., Kalaydzhiev N., Milanov I., **Taneva S.G.**. Platelets’ Nanomechanics and Morphology in Neurodegenerative Pathologies. Biomedicines, 10(9):2239, 2022, DOI:doi: 10.3390/biomedicines10092239, SJR (Scopus):0.87, JCR-IF (Web of Science):4.757   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://doi.org/10.3390/biomedicines10092239) | 1.000 | 55.56 |
| 63 | **Strijkova-Kenderova V.**, **Todinova S.**, **Andreeva T.**, Bogdanova D., **Langari A.**, **Danailova A.**, **Krumova S.**, Zlatareva E., Kalaydziev N., Milanova I., **Taneva S.G.**. Morphometry and stiffness of red blood cells - signatures of neurodegenerative diseases and aging. Int. J. Biological Macromolecules, 23, 1, MDPI, 2022, DOI:10.3390/ijms23010227, 227. JCR-IF (Web of Science):6.208   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://www.mdpi.com/1422-0067/23/1/227) | 1.000 | 63.64 |
| 64 | **Todinova S.**, **Nikolova B.**, **Iliev I.**, **Semkova S.**, **Krumova S.**, **Taneva S.G.**. Thermodynamic behavior of breast cancer cell lines after miltefosine and cisplatin treatment. J. Therm. Anal. Calorim., 147, 14, Springer, 2022, ISSN:1388-6150, DOI:https://doi.org/10.1007/s10973-021-11094-6, 7819-7828. SJR (Scopus):0.639, JCR-IF (Web of Science):4.755   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000710439500003) | 1.000 | 100.00 |
| 65 | **Todorova, L**, Ignatova, V, **Vassilev, P**, Surchev, J. Generalized Net Model of Computer Based Registration and Rehabilitation of Cognitive Impairments in Multiple Sclerosis. Lecture Notes in Networks and Systems, 338, Springer, 2022, ISSN:2367-3370, DOI:10.1007/978-3-030-95929-6\_30, 397-407. SJR (Scopus):0.151   **Q4 (Scopus)**   [Линк](https://www.scopus.com/record/display.uri?eid=2-s2.0-85126245290&origin=resultslist&sort=plf-f&src=s&st1=Generalized+Net+Model+of+Computer+Based+Registration+and+Rehabilitation+of+Cognitive+Impairments+in+Multiple+Sclerosis&sid=dd1030abbbc1c8477f09a1) | 1.000 | 50.00 |
| 66 | **Tsakovska, I.**, **Diukendjieva, A.**, Worth, A.P.. Methods in Molecular Biology. In Silico Models for Predicting Acute Systemic Toxicity, 2425, Humana, New York, NY, 2022, DOI:10.1007/978-1-0716-1960-5\_12, 259-289. SJR (Scopus):0.368   **Q4 (Scopus)**   [Линк](https://www.scopus.com/record/display.uri?eid=2-s2.0-85125005785&origin=resultslist&sort=plf-f&src=s&st1=Tsakovska&sid=d7ce9411ce7cc301d8aa22b62a86fee0&sot=b&sdt=b&sl=22&s=AUTHOR-NAME%28Tsakovska%29&relpos=4&citeCnt=0&searchTerm=&featureToggles=FEATU) | 1.000 | 66.67 |
| 67 | **Tsoneva, I.,**, **Semkova, S.,**, Bakalova, R.,, **Zhelev, Zh.,**, Nuss, Ph.,, **Staneva, G.,**, **Nikolova, B**. Electroporation, electrochemotherapy and electro-assisted drug delivery in cancer. A state-of-the-art review. Biophysical Chemistry, 286, Elsevier, 2022, DOI:https://doi.org/10.1016/j.bpc.2022.106819, 106819. SJR (Scopus):0.606, JCR-IF (Web of Science):3.628   **Q2 (Scopus)**   [Линк](https://www.sciencedirect.com/science/article/pii/S0301462222000618?dgcid=coauthor) | 1.000 | 71.43 |
| 68 | **Tzoneva, R.**, Tsiapla, A.-R., **Uzunova, V.**, **Stoyanova, T.**, Samaras, T., Angelakeris,, M., Kalogirou, O.. Synergistic Effect of Combined Treatment with Magnetic Hyperthermia and Magneto-Mechanical Stress of Breast Cancer Cells. Magnetochemistry, 8, 10, 2022, 117. JCR-IF (Web of Science):3.336   **Q2 (Scopus)**   [Линк](https://www.mdpi.com/journal/magnetochemistry) | 1.000 | 42.86 |
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| 113 | Mihailova G., Christov N. K., Sarvari E., Solti A., Hembrom R., Solymosi K., Keresztes A., **Velitchkova M**, **Popova A. V.**, Todorovska E., Georgieva, K.. Reactivation of the Photosynthetic Apparatus of Resurrection Plant Haberlea rhodopensis during the Early Phase of Recovery from Drought- and Freezing-Induced Desiccation. Plants, 11, MDPI, 2022, DOI:https://doi.org/10.3390/plants11172185, JCR-IF (Web of Science):4.658   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://doi.org/10.3390/plants11172185) | 1.000 | 18.18 |
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| 118 | Pavlova E L., Ivanova, I A., Staneva, AD, **Kostadinova, AS**, Kichukova, DG, Yocheva, LD. Prooxidant, antioxidant and biological activity of nanocomposites of reduced graphene oxide, silver, copper and their combinations. CHEMICAL PAPERS, 76, 11, Springer, 2022, ISSN:0366-6352, DOI:10.1007/s11696-022-02360-4, 6789-6800. SJR (Scopus):0.365, JCR-IF (Web of Science):2.146   **Q2 (Scopus)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000830370200004) | 1.000 | 16.67 |
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| 120 | Regina Komsa-Penkova, **Avgustina Danailova**, **Sashka Krumova**, Galya Georgieva, **Ina Giosheva**, Lidia Gartcheva, **Ivan Iliev**, Emil Gartchev, Kameliya Kercheva, Alexey Savov, **Svetla Todinova**. Altered Thermal Behavior of Blood Plasma Proteome Related to Inflammatory Cytokines in Early Pregnancy Loss. Int J Mol Sci ., 23, 15, MDPI, 2022, DOI:doi: 10.3390/ijms23158764., SJR (Scopus):1.18, JCR-IF (Web of Science):6.208   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://www.mdpi.com/1422-0067/23/15/8764) | 1.000 | 45.45 |
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| 122 | Regina Komsa-Penkova, Svetoslava Stoycheva, Pencho Tonchev, Galya Stavreva, **Svetla Todinova**, Galya Georgieva, Adelina Yordanova, Stanimir Kyurkchiev, George Altankov. Morphological and Quantitative Evidence for Altered Mesenchymal Stem Cell Remodeling of Collagen in an Oxidative Environment—Peculiar Effect of Epigallocatechin-3-Gallate. Polymers, 14, 19, MDPI, 2022, ISSN:20734360, DOI:https://doi.org/10.3390/polym14193957, SJR (Scopus):0.73, JCR-IF (Web of Science):4.967   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://www.mdpi.com/2073-4360/14/19/3957) | 1.000 | 11.11 |
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| 124 | Sperdouli I., Adamakis I.-D.S., **Dobrikova A.**, **Apostolova E.**, Hanc A., Moustakas M.. Excess zinc supply reduces cadmium uptake and mitigates cadmium toxicity effects on chloroplast structure, oxidative stress, and photosystem II photochemical efficiency in Salvia sclarea plants.. Toxics, 10, 1, MDPI, 2022, 36. SJR (Scopus):0.8, JCR-IF (Web of Science):4.472   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://doi.org/10.3390/toxics10010036) | 1.000 | 33.33 |
| 125 | Stratiev, D., S. Nenov, D. Nedanovski, I. Shishkova, R. Dinkov, **Da. D. Stratiev**, De. D.Stratiev, S. Sotirov, E. Sotirova, **V. Atanassova**, **S. Ribagin**, **K. Atanassov**, D. Yordanov, N. Angelova, L. Todorova-Yankova. Empirical Modeling of Viscosities and Softening Points of Straight-Run Vacuum Residues from Different Origins and of Hydrocracked Unconverted Vacuum Residues Obtained in Different Conversions. Energies, 15, 5, MDPI, 2022, ISSN:19961073, DOI:10.3390/en15051755, 1755. SJR (Scopus):0.653, JCR-IF (Web of Science):3.252   **Q1, не оглавява ранглистата (Scopus)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000775058900001) | 1.000 | 26.67 |
| 126 | Stratiev, D., Shishkova, I, Ivanov, M, Petrov, I., **Atanassova, V.**, **Ribagin, S.**, **Atanassov, K.**, Toteva, V., **Stratiev, D. D.**. Commercial and laboratory experience with catalytic cracking of straight run hydrotreated vacuum gas oil and h-oil gas oils. Journal of Chemical Technology and Metallurgy, 57, 2, 2022, 215-223. SJR (Scopus):0.253   **Q3 (Scopus)**   [Линк](https://www.scopus.com/record/display.uri?eid=2-s2.0-85125262732&origin=resultslist&sort=plf-f) | 1.000 | 44.44 |
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| 133 | Uhr Z., **Dobrikova A.**, **Borisova P.**, **Yotsova E.**, Dimitrov E., Chipilsky R., **Popova A.V.**. Assessment of drought tolerance of eight varieties of common winter wheat – a comparative study. Bulg. J. Agric. Sci., 28, 4, Agricultural Academy of Bulgaria, 2022, ISSN:2534-983X, 668-676. SJR (Scopus):0.25   **Q3 (Scopus)**   [Линк](https://www.agrojournal.org/28/04-13.pdf) | 1.000 | 57.14 |
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| 135 | Vasilev, Valentin, Sotirova, Evdokia, **Atanassov, Krassimir**. A generalized net model of the normal heart functioning. 16th National Conference on Operational and Systems Research (BOS/SOR) / 19th International Workshop on Intuitionistic Fuzzy Sets and Generalized Nets (IWIFSGN). Lecture Notes in Networks and Systems, 338, Springer, 2022, DOI:10.1007/978-3-030-95929-6\_31, 408-418. SJR (Scopus):0.151   **Q4 (Scopus)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000775291100031) | 1.000 | 33.33 |
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| 137 | Vitkova V., **Staneva G.**, **Hazarosova R.**, Georgieva S. I., Valkova I., Antonova K., Todorov P.. Interaction of new VV-hemorphin-5 analogues with cell membrane models. COLLOIDS AND SURFACES B-BIOINTERFACES, 220, Elsevier, 2022, ISSN:0927-7765; 1873-4367, DOI:https://doi.org/10.1016/j.colsurfb.2022.112896, JCR-IF (Web of Science):5.999   **Q1, не оглавява ранглистата (Web of Science)**   [Линк](https://www.webofscience.com/wos/woscc/full-record/WOS%3A000875413400005) | 1.000 | 28.57 |
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| Коригиран брой: 142.000 |