

**Списък на публикациите на чл.-кор. Андон Радев Косев
Институт по биофизика и биомедицинско инженерство - БАН**

1. Kosarov D., **Kossev A.** (1977) Interactions between unloading reflex and voluntary muscle activity under different instructions. *Acta. physiol. pharmacol. bulg.*, **3**: 56-64. (ISSN: 0323 9950)
2. Kosarov D.S., **Kossev A.R.** (1977) Interactions between stretch reflex and voluntary muscle activity under different instructions. *Comt. r. Acad. bulg. sci.*, **30(10)**: 1495-1498. (ISSN-0366-8681)
3. **Kossev A.**, Kosarov D. (1977) Stretch reflex and voluntary movement interactions. **In:** IFAC-Symposium on Control Mechanisms in Bio - and Ecosystems, September 1977, Leipzig, September 1977, **Vol. 2**, "Receptive mechanisms. Control of movement." pp.: 110-117.
4. **Kossev A.** (1977) Mathematical model of the summated electromyogram based on the probability characteristics of single motor units. *Acta physiol. pharmacol. bulg.*, **3**: 65-73. (ISSN: 0323 9950)
- 5*. **Косев А. Р.** (1977) *Изследвания върху взаимодействията между проприоцептивни рефлексии и волеви движения.* Автореферат на дисертация за получаването на научна степен "кандидат на биологическите науки" ("доктор"), София.
6. **Kossev A.R.** (1978) Stretch reflex and voluntary motor activity depending on the moment of application of external disturbance. *Comt. r. Acad. bulg. sci.*, **31(1)**: 127-130. (ISSN-0366-8681)
7. **Косев А.** (1979) Междуимпулсни интервали на разрядите на отделни двигателни единици при различни условия., **В: "Биология-79"**, София 1979, pp.: 126-129.
8. **Косев А.** (1979) Рефлекс на разтягане при въздействие с постоянна скорост. **В: "Биология-79"**, София 1979, pp.: 130-133.
9. **Косев А.**, Денглер Р. (1981) Количествен анализ на блинк рефлекса **В: "Биология-81"**, Биологията в служба на човека, София 1981, pp.: 176-180.
10. Gydikov A., **Kossev A.**, Radicheva N., Tankov N. (1981) Interaction between reflexes and voluntary motor activity in man revealed by discharges of separate motor units. *Exp. Neurol.*, **73**: 331-344. (ISSN: 00144886)

(IF = 3.144)

11. Dengler R., **Kossev A.**, Gippner C., Struppler A. (1982) Quantitative analysis of blink reflexes in patients with hemiplegic disorders. *Electroenceph. clin. Neurophysiol.*, **53**: 513-524. (ISSN: 00134694)
(IF = 1,872)
12. Dengler R., **Kossev A.**, Struppler A. (1982) Unilateral reduction of the early and late blink reflex component in hemiparkinson syndrome. *Electroenceph. clin. Neurophysiol.*, **54**: 689-698. (ISSN: 00134694)
(IF = 1,872)
13. Gydikov A., **Kossev A.**, Christova L. (1982) Influence of the interstimulus interval on the extraterritorial potentials of the motor units. *Electromyogr. clin. Neurophysiol.*, **22**: 563-577. (ISSN: 0301150X)
14. Гериловский Л., Гидиков А., **Косев А.**, Радичева Н. (1982) Изменение моно-синаптической рефлекторной возбудимости в период организации и выполнения произвольных двигательных ответов ., *Физиология человека*, **8**: 861-867. (ISSN: 0362-1197)
15. **Kossev A.**, Dengler R., Struppler A. (1983) Quantitative analysis of the glabellar reflex in patients with hemiplegic disorders. *Acta physiol. pharmacol. bulg.*, **9**: 21-28. (ISSN: 0323 9950)
16. **Kossev A.**, Dengler R., Struppler A. (1983) Quantitative assessment of the blink reflex in normals. Physiological side-to-side differences and frequency dependence. *Electromyogr. clin. Neurophysiol.*, **23**: 501-511. (ISSN: 0301150X)
17. Dengler R., **Kossev A.**, Struppler A. (1983) Blinkreflex-Veränderungen beim Hemiparkinson-Syndrom. In: *"Pathophysiologie, Klinik und Therapie des Parkinsonismus"*, 13. Zentraleuropäisches Neurologisches Symposium Heidelberg (Gänshirt H., Berlitz P., Haack G., eds.) Editiones "Roche", Basel., pp.: 209-214. (ISBN: 3-88878-013-6)
18. Dengler R., **Kossev A.**, Grossmann A., Struppler A. (1984) Blink reflexes in Hemi-Parkinson syndrome - reduction of the responses on the affected side. *Adv. Neurol.* (Hassler R.G., Christ J.F., eds.) **40**: 381-384.
(IF = 0.968)
19. Gydikov A., Kostov K., **Kossev A.**, Kosarov D. (1984) Estimation of the spreading velocity and the parameters of the muscle potentials by averaging of the summated electromyogram. *Electromyogr. clin. Neurophysiol.*, **24**: 191-212. (ISSN: 0301150X)
20. Kostov K., **Kossev A.**, Gydikov A. (1984) Utilization of the stimulated electromyogram for estimation of the functional state of the muscles. *Electromyogr. clin. Neurophysiol.*, **24**: 387-399. (ISSN: 0301150X)
21. Radicheva N.I., Trayanova N.A., Gydikov A.A., Kostov K.G., **Kossev A.R.** (1985) Changes in the total ionic current of frog muscle fibre during action potential under continuous activity. *Compt. r. Acad. bulg. sci.*, **38(8)**: 1085-1088. (ISSN-0366-8681)
(IF = 0.126).

22. Trayanova N.A., Radicheva N.I., Gydikov A.A., **Kossev A.R.**, Iliev I.G. (1985) Dependence of the total ionic current on the temperature during action potential of a frog muscle fibre. *Compt. r. Acad. bulg. sci.*, **38(9): 1235-1238.** (ISSN-0366-8681)
(IF = 0.126).
23. Gydikov A., Kosarov D., **Kossev A.**, Kostov K., Trayanova N., Radicheva N. (1986) Motor unit potentials at high muscle activity recorded by selective electrodes. *Biomed. Biochim. Acta*, **45: S63-S68.** (ISSN: 0232766X)
24. Gydikov A., **Kossev A.**, Trayanova N., Radicheva N. (1986) Selective recording of motor unit potentials. *Electromyogr. clin. Neurophysiol.*, **26: 273-281.** (ISSN: 0301150X)
25. **Kossev A.** (1986) Prolonged excitation evoked by activity in Ia afferents: a model of reciprocal neuronal mechanisms of interaction between antagonist muscles. **In:** Proceedings of the Fifth International Symposium "System - Modelling - Control", Zakopane, Poland, October 6-12, 1986, Łódź 1986, **Vol. 3, pp.:50-55.**
26. **Kossev A.**, Trenkova G. (1986) Changes in the firing of single motor units before and after voluntary movement. *Acta physiol. pharmacol. bulg.*, **12: 66-74.** (ISSN: 0323 9950)
27. **Kossev A.** (1987) Effect of the synchronization of the discharges of single motor units for the formation of the summated electromyogram. *Acta physiol. pharmacol. bulg.*, **13: 63-70.** (ISSN: 0323 9950)
28. Kosarov D., Gydikov A., **Kossev A.** (1987) Motor unit discharges in interosseus dorsalis primus muscle during voluntary movements. **In:** "Motor control", Proceedings of the Fifth International Symposium on Motor Control (Gantchev G.N., Dimitrov B., Gatev P., eds.). Plenum Press, New York, London, **pp.: 7-12.** (ISBN: 0-306-42560-2)
29. Gydikov A.A., **Kossev A.R.**, Kosarov D.S., Kostov K.G. (1987) Investigations of single motor units firing during movements against elastic resistance. **In:** International Series on Biomechanics "Biomechanics X-A" (Jonsson B., Ed.). Human Kinetics Publishers, Champaign, Illinois, **pp.: 227-232.** (ISBN: 0-87322-068-4)
30. Trayanova N., Gydikov A., **Kossev A.** (1987) Optimization of the source derivations from the scalp surface. *Acta physiol. pharmacol. bulg.*, **13: 60-68.** (ISSN: 0323 9950)
31. Enoka R.M., Robinson G.A., **Kossev A.R.** (1988) A stable, selective electrode for recording single motor-unit potentials in humans. *Exp. Neurol.*, **99: 761-764.** (ISSN: 00144886)
(IF = 3.144)
32. **Kossev A.**, Gydikov A., Trayanova N. (1988) Comparison of the different variants of the current source density analysis methods in neurophysiological studies. *Acta physiol. pharmacol. bulg.*, **14: 75-82.** (ISSN: 0323 9950)
33. **Kossev A.R.**, Lansing R., Andersen A. (1988) Single motor unit activity in human nasal muscles., *Comt. r. Acad. bulg. sci.*, **41(3): 77-80.** (ISSN-0366-8681)

- (IF = 0.126).**
34. **Koshev A.**, Gydikov A., Trayanova N., Kosarov D. (1988) Configuration and selectivity of the branched EMG - electrodes. *Electromyogr. clin. Neurophysiol.*, **28: 397-403.** (ISSN: 0301150X)
35. Stephanova D., Trayanova N., Gydikov A., **Koshev A.** (1989) Extracellular potentials of a single myelinated nerve fiber in an unbounded volume conductor. *Biol. Cybern.*, **61: 205-210.** (ISSN: 03401200)
- (IF = 1.269)**
36. Enoka R.M., Robinson G.A., **Koshev A.R.** (1989) Task and fatigue effects on low-threshold motor units in human hand muscle. *J. Neurophysiol.*, **62: 1344-1359.** (ISSN: 00223077)
- (IF = 3.874)**
37. Gydikov A., **Koshev A.**, Trayanova N., Stephanova D. (1990) Electrotonic potentials of myelinated nerve fibers. *Electromyogr. clin. Neurophysiol.*, **30: 47-51.** (ISSN: 0301150X)
38. **Koshev A.**, Gerasimenko Y., Gantchev N., Christova P. (1991) Influence of the interimpulse interval on the propagation velocity of the motor unit potentials. *Electromyogr. clin. Neurophysiol.*, **31: 27-33.** (ISSN: 0301150X)
39. Lansing R.W., Solomon N.P., **Koshev A.R.**, Andersen A.B. (1991) Recording single motor unit activity of human nasal muscles with surface electrodes: applications for respiration and speech. *Electroenceph. clin. Neurophysiol.*, **81: 167-175.** (ISSN: 0924980X)
- (IF = 1.972)**
40. Gantchev N., **Koshev A.**, Gydikov A., Gerasimenko Y. (1992) Relation between the motor units recruitment threshold and their potentials propagation velocity at isometric activity. *Electromyogr. clin. Neurophysiol.*, **32: 221-228.** (ISSN: 0301150X)
41. **Koshev A.**, Gantchev N., Gydikov A., Gerasimenko Y., Christova P. (1992) The effect of muscle fiber length change on motor units potentials propagation velocity. *Electromyogr. clin. Neurophysiol.*, **32: 287-294.** (ISSN: 0301150X)
42. Wohlfarth K., Dengler R., **Koshev A.**, Elek J., Schubert M., Wolf W. (1992) Ist die F-Wellen-Entstehung abhängig von der Grösse der motorischen Einheiten? *Z. EEG-EMG*, **23: 140-143.** (ISSN: 0012-7590)
- (IF = 0.520)**
43. Elek J.M., **Koshev A.**, Dengler R., Schubert M., Wohlfahrt K., Wolf W. (1992) Parameters of human motor unit twitches obtained by intramuscular microstimulation. *Neuromusc. Disord.*, **2: 261-267.** (ISSN: 09608966)
- (IF = 2,718)**
44. Dengler R., **Koshev A.**, Wohlfahrt K., Schubert M., Elek J., Wolf W. (1992) F waves and motor unit size. *Muscle & Nerve*, **15: 1138-1142.** (ISSN: 0148639X)
- (IF = 1.967)**
- 45*. **Косев А.Р.** (1992) *Електромиографски изследвания на системата за управление на двигателната дейност на човека.* Автореферат на дисертация за

получаването на научна степен "доктор на биологическите науки" ("доктор на науките"), София.

46. **Kossev A.**, Christova P.(1993) Motor unit discharge pattern during voluntary eccentric movements. *Comt. r. Acad. bulg. sci.*, **46(7): 71-74.** (ISSN-0366-8681)
47. **Kossev A.**, Christova P.(1993) Motor unit discharge pattern during voluntary concentric movements. *Comt. r. Acad. bulg. sci.*, **46(8): 73-76.** (ISSN-0366-8681)
48. **Kossev A.**, Elek J.M., Wohlfarth K., Schubert M., Dengler R., Wolf W. (1994) Assessment of human motor unit twitches - a comparison of spike-triggered averaging and intramuscular microstimulation. *Electroenceph. clin. Neurophysiol.*, **93: 100-105.** (ISSN: 0924980X)
- (IF = 1.617)**
49. Christova P., Mineva A., Dushanova J., **Kossev A.** (1996) Changes in propagation velocity during long lasting muscle activity. **In: "Motor Control VII"**, Proceedings of the VIIth International Symposium on Motor Control, Borovets, Bulgaria, June 21-25, 1993 (Stuart D.G., ed.), Motor Control Press, Tucson AZ 1996, **pp.: 19-22.** (ISBN: 0-9641451-0-3)
50. **Kossev A.**, Christova P. (1996) Motor unit discharge patterns in m. biceps brachii during different voluntary movements. **In: "Motor Control VII"**, Proceedings of the VIIth International Symposium on Motor Control, Borovets, Bulgaria, June 21-25, 1993 (Stuart D.G., ed.), Motor Control Press, Tucson AZ 1996, **pp.: 55-58.** (ISBN: 0-9641451-0-3)
51. Christova P., **Kossev A.**, Radicheva N. (1996) Discharge frequency of human motor units at different muscle lengths. **In: "Motor Control VII"**, Proceedings of the VIIth International Symposium on Motor Control, Borovets, Bulgaria, June 21-25, 1993 (Stuart D.G., ed.), Motor Control Press, Tucson AZ 1996, **pp.: 59-62.** (ISBN: 0-9641451-0-3)
52. Christova P., **Kossev A.** (1996) Recruitment and derecruitment of motor units in m. biceps brachii during voluntary movements. **In: "Motor Control VII"**, Proceedings of the VIIth International Symposium on Motor Control, Borovets, Bulgaria, June 21-25, 1993 (Stuart D.G., ed.), Motor Control Press, Tucson Az 1996, **pp.: 63-66.** (ISBN: 0-9641451-0-3)
53. Elek J.M., **Kossev A.**, Woldag H., Wohlfarth K., Schubert M., Dengler R. (1996) Motor unit properties in normal subjects, and patients with chronic partial denervation and Parkinson's disease. **In: "Motor Control VII"**, Proceedings of the VIIth International Symposium on Motor Control, Borovets, Bulgaria, June 21-25, 1993 (Stuart D.G., ed.), Motor Control Press, Tucson Az 1996, **pp.: 93-96.** (ISBN: 0-9641451-0-3)
54. Chichov V., **Kossev A.**, Christova P., Chobanova M. (1996) Conduction velocity and turn-amplitude analysis during sustained muscle contraction. **In: "Motor Control VIII"**, Proceedings of the VIII International Symposium on Motor Control, 23-27 June, 1996, Borovetz (Cantchev G.N., Gurfinkel V.S., Stuart D, Wiesendanger M., Mori S.,

eds.) Academic Publishing House "Prof. Marin Drinov", Sofia, **pp.: 212--215. (ISBN: 954-430-478-9)**

55. Christova P., **Kossev A.**, Chichov V. (1996) Single motor unit activity during fatiguing ramp-and-hold voluntary isometric contraction. **In:** "Motor Control VIII", Proceedings of the VIIth International Symposium on Motor Control, 23-27 June, 1996, Borovetz (Cantchev G.N., Gurfinkel V.S., Stuart D.G., Wiesendanger M., Mori S., eds.) Academic Publishing House "Prof. Marin Drinov", Sofia, **pp.: 216-219. (ISBN: 954-430-478-9)**
56. **Kossev A.**, Christova P. (1997) Application of branched electrodes for stable, selective recording single motor-unit discharges in humans. *Biomed. Techn.*, **42 (Ergänzungs-band 2): 397-400. (ISSN: 0939-4990)**
(IF = 0.441)
57. Stephanova D., **Kossev A.** (1997) Action potentials and ionic currents through internodally demyelinated human motor nerve fibres: I computer simulation. *Comt. r. Acad. bulg. sci.*, **50(3): 107-110. (ISSN 0861-1459)**
58. **Kossev A.R.**, Christova P. (1998) Motor unit recruitment and discharge behaviour in movements and isometric contractions. *Muscle & Nerve*, **21: 413-414. (ISSN: 0148639X)**
(IF = 1.585)
59. Christova P., **Kossev A.** (1998) Motor unit activity during long-lasting intermittent contractions in humans. *Eur. J. Appl. Physiol.*, **77: 379-387. (ISSN: 03015548)**
(IF = 1.045)
60. **Kossev A.**, Christova P. (1998) Discharge pattern of human motor units during dynamic concentric and eccentric contractions. *Electroenceph. clin. Neurophysiol.*, **109: 245-255. (ISSN: 0924980X)**
(IF = 2.450)
61. Christova P., **Kossev A.** Radicheva N. (1998) Discharge rate of selected motor units in human biceps brachii at different muscle lengths. *J. Electromyogr. Kinesiol.*, **8: 287-294. (ISSN: 10506411)**
(IF = 0.566)
62. Christova P., **Kossev A.** Kristev I., Chichov V. (1999) Surface EMG recorded by branched electrodes during sustained activity. *J. Electromyogr. Kinesiol.*, **9: 263-276. (ISSN: 10506411)**
(IF = 0.746)
63. **Kossev A.**, Siggelkow S., Schubert M., Wohlfarth K., Dengler R. (1999) Muscle vibration: different effects on transcranial magnetic and electrical stimulation. *Muscle & Nerve*, **22: 946-948. (ISSN: 0148639X)**
(IF = 1.898)
64. Siggelkow S., **Kossev A.**, Schubert M., Kappels H.-H., Wolf W., Dengler R. (1999) Modulation of motor evoked potentials by muscle vibration: the role of vibration frequency. *Muscle & Nerve*, **22: 1544-1548. (ISSN: 0148639X)**
(IF = 1.898)
65. Christova P., **Kossev A.** (1999) Human motor unit recruitment and derecruitment during long lasting intermittent contractions. **In:** PROCID Symposium, Copenhagen

- 25.-27. November 1999, “*Muscular disorders in computer users*” (Christensen H., Sjøgaard G., eds.), pp.: 94-100. (ISBN: 87-7904-038-1)
66. Christova P., **Kossev A.** (2000) Human motor unit activity during concentric and eccentric movements. *Electromyogr. clin. Neurophysiol.* **40**: 331-338. (ISSN: 0301150X)
67. Kristev I, Christova P., Chichov V., **Kossev A.** (2000) Surface EMG changes during sustained maximal contraction efforts. *Comt. r. Acad. bulg. sci.*, **53(11)**: 55-58. (ISSN: 0861-1459)
68. Kristev I, Christova P., Chichov V., **Kossev A.** (2000) Surface EMG changes during sustained submaximal high contractions. *Comt. r. Acad. bulg. sci.*, **53(12)**: 73-76. (ISSN: 0861-1459)
69. Christova L., Wolf W., Dimitrova M., Christova P., **Kossev A.** (2000) Modulation of single motor unit discharge pattern during the premovement period. *Biomed. Techn.*, **45 (Ergänzungsband 2)**: 223-227. (ISSN: 0939-4990) (IF = 0.433)
70. Kristev I., Christova P., Christova L., **Kossev A.** (2000) Branched surface EMG electrodes and measurement of propagation velocity of excitation along muscle fibers. *Biomed. Techn.*, **45 (Ergänzungsband 2)**: 233-239. (ISSN: 0939-4990) (IF = 0.433)
71. **Kossev A.**, Siggelkow S., Kappels, H.-H., Dengler R., Rollnik J.D. (2001) Crossed effects of muscle vibration on motor-evoked potentials. *Clin. Neurophysiol.*, **112**: 453-456. (ISSN: 13882457) (IF = 1.922)
72. Rollnik J.D., Siggelkow S., Däuper J., Moll C., **Kossev A.R.**, Dengler R. (2001) Die transkranielle magnetische Doppelstimulation zur Beurteilung kortikokortikaler Inhibition und Fazilitierung. *Klin. Neurophysiol.*, **32**: 26-29. (ISSN: 14340275) (IF = 0.156)
73. Christova P., **Kossev A.** (2001): Human motor unit recruitment and derecruitment during long lasting intermittent contractions. *J. Electromyogr. Kinesiol.*, **11**: 189-196. (ISSN: 10506411) (IF = 1.145)
74. Kristev I., **Kossev A.** (2001) Muscle fatigue assessment during sustained high isometric contraction. *Acta physiol. pharmacol. bulg.*, **26**: 29-32. (ISSN: 0323 9950)
75. Rollnik J.D., Siggelkow S., Däuper J., Dengler R., **Kossev A.** (2001) Effect of conditioning transcranial stimulation on motor evoked potentials. *Acta physiol. pharmacol. bulg.*, **26**: 123-125. (ISSN: 0323 9950)
76. **Kossev A.**, Siggelkow S., Rollnik J.D., Däuper J., Dengler R. (2001) Modulation of corticospinal excitability and intracortical mechanisms during muscle vibration: a study using transcranial magnetic stimulation. In: “*Sensorimotor Control*” (Dengler R., Kossev A., eds.), *NATO Science Series, Series 1: Life and Behavioural Sciences* , Vol. **326**: 19-28. (ISSN: 1566-7693)

77. Dengler R., Siggelkow S., Rollnik J.D., Däuper J., Moll C. **Kossev A.** (2001) Changes of motor cortical function in dystonia. **In: "Sensorimotor Control"** (Dengler R., Kossev A., eds.), *NATO Science Series, Series 1: Life and Behavioural Sciences*, Vol. 326: 150-158. (ISSN: 1566-7693)
78. Rollnik J.D., Düsterhöft A., Däuper J., **Kossev A.**, Weissenborn K., Dengler R. (2002) Decrease of middle cerebral artery blood flow velocity after low-frequency repetitive transcranial magnetic stimulation of the dorsolateral prefrontal cortex. *Clin. Neurophysiol.*, 113: 951-955 (ISSN: 13882457) **(IF = 2.120)**
79. Rollnik J.D., Wüstefeld S., Däuper J., Karst M., Fink M., **Kossev A.**, Dengler R. (2002) Repetitive transcranial magnetic stimulation for the treatment of chronic pain – a pilot study. *Eur. Neurol.*, 48: 6-10. (ISSN: 00143022) **(IF = 1.104)**
80. Siggelkow S., **Kossev A.**, Moll C., Däuper J., Dengler R., Rollnik J.D. (2002) Impaired sensorimotor integration in cervical dystonia - a study using transcranial magnetic stimulation and muscle vibration. *J. Clin. Neurophysiol.*, 19: 232-239. (ISSN: 07360258) **(IF = 2.142)**
81. **Kossev A.R.**, Schrader C., Däuper J., Dengler R., Rollnik J.D. (2002) Increased intracortical inhibition in middle-aged humans – a study using paired-pulse transcranial magnetic stimulation. *Neurosci. Lett.*, 333:83-86. (ISSN: 03043940) **(F = 2.100)**
82. **Kossev A.R.**, Siggelkow S., Dengler R., Rollnik J.D. (2003) Intracortical inhibition and facilitation in paired-pulse transcranial magnetic stimulation: effect of conditioning stimulus intensity on sizes and latencies of motor evoked potentials. *J. Clin. Neurophysiol.*, 20: 54-58. (ISSN: 07360258) **(IF = 2.294)**
83. Rollnik J.D., Däuper J., Wüstefeld S., Mansouri S., Karst M., Fink M., **Kossev A.**, Dengler R. (2003) Repetitive Magnetic Stimulation for the Treatment of Chronic Pain Conditions. *Suppl. Clin. Neurophysiol.*: 56, 390-393. (ISSN: 1567424X) **(IF = 2.485)**
84. Christova M., Pondev N., Christova L., Wolf W., **Kossev A.** (2003) Dependence of intracortical inhibition and facilitation on the level of co-activity of antagonist muscles. *Comt. r. Acad. bulg. sci.*, 56(9): 77-82. (ISSN 1310-1331)
85. Christova M., Christova L., Vukova T., Dengler R., **Kossev A.** (2003) Intracortical inhibition following subthreshold transcranial magnetic stimulation. *Comt. r. Acad. bulg. sci.*, 56(10): 95-100. (ISSN 1310-1331)
86. Nikolova M., Roll A., Wolf W, **Kossev A.** (2003) Coordination between saccadic and manual reactions in a countermanding task. *Comt. r. Acad. bulg. sci.*, 56(12): 85-90. (ISSN 1310-1331)
87. Komissarow L., Rollnik J.D., Bogdanova D., Krampfl K., Khabirov F.A., **Kossev A.**, Dengler R., Bufler J. (2004) Triple stimulation technique (TST) in amyotrophic lateral sclerosis. *Clin Neurophysiol.*, 115: 356-360. (ISSN: 13882457)

88. Däuper J., de Groot M., Wiegand K., Guergueltcheva V., Schubert M., **Kossev A.**, Rollnik J.D. (2004) Repetitive transcranial magnetic stimulation (rTMS) in cervical dystonia. *Klin. Neurophysiol.*, **35: 80-84.** (ISSN: 14340275) (IF = 2.538)
89. Christova L.G., Alexandrov A.S., Krampfl K., Bufler J., **Kossev A.R.**, Ishpekova B.A. (2005) Erbliche motorische und sensorische Neuropathie – Typ LOM (HMSN-L) – Elektrophysiologische Charakteristika. *Klin. Neurophysiol.*, **36: 68-74.** (ISSN: 14340275) (IF = 0.073)
90. **Kossev A.R.**, Dengler R. (2005) Sensorimotor integration in health and disease: transcranial magnetic stimulation. In: “*Neurogastroenterology*” (Dumitrascu D.L., Nedelcu L., eds.), Editura Medicală Universitară “Iuliu Hațieganu”, Cluj-Napoca, pp.: 33-40. (ISBN: 973-693-128-5) (IF = 0.087)
91. Mohammadi B., Krampfl K., Petri S., Bogdanova D., **Kossev A.**, Bufler J., Dengler R., (2006) Selective and nonselective benzodiazepine agonists have different effects on motor cortex excitability. *Muscle & Nerve*, **33: 778-784.** (ISSN: 0148639X) (IF = 2.456)
92. Alexandrov A.S., Christova L.G., Daskalov M.N., **Kossev A.R.**, Dengler R., Ishpekova B.A. (2006) Vergleichende Analyse zwischen residueller Latenz und distaler motorischer Latenz bei diabetischer und alkoholischer Polyneuropathie. *Klin. Neurophysiol.*, **37: 13-16.** (ISSN: 14340275) (IF = 0.217)
93. Nikolova M., Pondev N., Christova L., Wolf W., **Kossev A.** (2006) Prämotorische Modulation des kortikalen erregungsniveaus bei willkürreaktionen eine TMS Studie. *Klin. Neurophysiol.*, **37:127-132.** (ISSN: 14340275) (IF = 0.217)
94. Krushkov H., Shotekov P., Krampfl K., **Kossev A.** (2006) 4-Aminopyridin-Therapie bei Patienten mit multipler Sklerose: Eine Studie mit transkranieller Magnetstimulation. *Klin. Neurophysiol.*, **37:133-137.** (ISSN: 14340275) (IF = 0.217)
95. Christova M.I., Pondev N.G., Christova L.G., Wolf W., Dengler R., **Kossev A.R.** (2006) Motor cortex excitability during unilateral muscle activity. *J. Electromyogr. Kinesiol.*, **16:477-484.** (ISSN: 10506411) (IF = 1.725)
96. Nikolova M., Pondev N., Christova L., Wolf W., **Kossev A.** (2006) Motor cortex excitability changes preceding voluntary muscle activity in simple reaction time task. *Eur. J. Appl. Physiol.*, **98:212-219.** (ISSN: 14396319) (IF = 1.601)
97. Bogdanova D., **Kossev A.**, Schrader C., Krampfl K., Rollnik J.D., Dengler R. (2006) Nachweis der korticospinalen Schädigung bei multipler Systematrophie mit der Tripel-Stimulations-Technik. *Klin. Neurophysiol.*, **37:247-249.** (ISSN: 14340275) (IF = 0.217)
98. Christova L., Stephanova D., **Kossev A.** (2007) Branched EMG electrodes for stable and selective recording of single motor unit potentials in humans. *Biomed. Tech.*, **52:117-121.** (IF = 0.593)

99. Stephanova D.I., Alexandrov A.S., **Kossev A.**, Christova L (2007) Simulating focal demyelinating neuropathies: membrane property abnormalities. *Biol. Cybern.*, **96:195-208**. (ISSN: 03401200) **(IF = 1.474)**
100. Pondev N., **Kossev A.**, Wolf W. (2007) Ballistic reactions under different pre-movement muscle conditions – a reaction time study. **In:** Proceedings of the 2nd Annual SEERC Doctoral Student Conference, Thessaloniki, Greece, July 22-23, 2007, **pp.: 1-11**, **file://F:\dsc2007.html**.
101. Ангелова П., Коларова Р., Христова Л., **Косев А.**, (2007) Оценка на функционалното състояние чрез скоростта на провеждане на възбуждението. **В:** Материали от XIV Балкански Конгрес по Спортна Медицина., 21-24 септември, Албена, 2007, *Спорт & Наука, Приложение към бр.1: 64-73*. (ISSN: 1310-3393)
102. Pencheva N., Grancharska K., **Kossev A.** (2007) Methods for assessment of the specific pain symptoms after eccentric muscle contraction. **In:** Proceedings of the I Balcan Scintific Conference “The Science, the Education and the Art in 21 Century” Blagoevgrad, Jun 22-24, 2007, *Годишник Наука-Образование-Изкуство, Съюз на учените, Благоевград*, Том 1, част 1, pp.: 88-94. (ISBN: 978-954-680-529-4)
103. Angelova P., Dimitrov V., Stoeva B., Kolarova R., Christova L., **Kossev A.** (2007) Muscle functional state assessment by estimation of muscle conduction velocity. **In:** Proceedings of the I Balcan Scintific Conference “The Science, the Education and the Art in 21 Century” Blagoevgrad, Jun 22-24, 2007, *Годишник Наука-Образование-Изкуство, Съюз на учените, Благоевград*, Том 1, част 1, pp.: 95-102. (ISBN: 978-954-680-529-4)
104. Christova L., Georgieva B, Koryak Yu.A., Kozlovskaja I. B., **Kossev A.** (2008) Muscle functional state assessment by estimation of muscle conduction velocity. *Human Physiology*, **34(6): 742–747**. (ISSN: 0362-1197)
105. Schrader C., Peschel T., **Kossev, A.R.** (2008) Verarbeitung von propriozeptiver Information beim idiopathischem Parkinson-Syndrom und der Einfluss von Levodopa. *Klin. Neurophysiol.*, **39:194-200**. (ISSN: 14340275) **(IF = 0.167)**
106. Schrader C., Siggelkow S., Rollnik J.D., **Kossev, A.R.** (2008) Impaired proprioception in amyotrophic lateral sclerosis - A study using muscle vibration and transcranial magnetic stimulation. *Klin. Neurophysiol.*, **39(4):262-266**. (ISSN: 14340275) **(IF = 0.167)**
107. Pondev N., Staude G., **Kossev A.**, Wolf W. (2008) Influence of motor set on motor reactions. *Sci. Res. J. South-West Univ.*, **1: 73-76**. (ISBN: 1313-4558)
108. Pondev N., Nikolova M., Christova M., Wolf W., **Kossev A.** (2008) Subthreshold transcranial magnetic stimulation changes motor cortex excitability. *Sci. Res. J. South-West Univ.*, **1: 77-82**. (ISBN: 1313-4558)

109. Angelova P., Christova L., **Kossev A.** (2008) Muscle functional state assessment by estimation of muscle conduction velocity and turn amplitude analysis. *Sci. Res. J. South-West Univ.*, **1**: 3-7. (ISBN: 1313-4558)
110. Schrader C., Peschel T., Däuper J., Rollnik J.D., Dengler R., **Kossev A.** (2008) Changes in processing of proprioceptive information in Parkinson's disease and Multiple System Atrophy. *Clin. Neurophysiol.*, **119**: 1139-1146. (ISSN: 13882457)
(IF = 2.468)
111. Mileva K.N., Bowtell J.L., **Kossev A.R.** (2009) Effects of low frequency whole body vibration on motor evoked potentials in healthy men. *Exp. Physiol.*, **94**(1):103-116. (ISSN: 09580670)
(IF = 2.910)
112. Gallasch E., Christova M., Krenn M., **Kossev A.R.**, Rafolt D. (2009) Changes in motor cortex excitability following training of a novel goal-directed motor task. *Eur. J. Appl. Physiol.*, **105**(1):47-54. (ISSN: 14396319)
(IF = 1.931)
113. Staude G., Rabe M., Wolf W., **Kossev A.**, Bauch G. (2009) A novel setup for investigations of reflexive and reactive motor responses in biceps. *IFMBE Proceedings*, **25**(4): 461-463. (ISSN: 16800737)
114. Nikolova M., Pondev N., Christova L., Wolf W., **Kossev A.** (2010) Effect of subthreshold transcranial magnetic stimulation on reaction time. *Comt. r. Acad. bulg. sci.*, **63**(2): 241-248. (ISSN 1310-1331)
(IF = 0.219)
115. Tanev S., Trendafilov P., Bachev V., Diafas V., Christova L., **Kossev A.** (2010) Portable equipment for investigation of changed peripheral muscle activity. *Sport & Sci., special issue "Sport, stress, adaptation", part 2*: 92-97. (ISSN: 1310-3393)
116. Christova L., Kaloyopsis S., Diafas V., Stanbolieva K., **Kossev A.** (2011) Assessment of training process by estimation of muscle fibre conduction velocity. *Comt. r. Acad. bulg. sci.*, **64**(6): 845-850. (ISSN 1310-1331)
(IF = 0.211)
117. Христова Л., Диафаз В., Стамболиева К., Бачев В., Танев С., Трендафилов П., **Kossev A.** (2011) Неинвазивен метод за анализ и оценка на двигателната активност на периферните мускули чрез мобилна апаратура. *Медицина и спорт*, година VII, бр.2, 20-25.
118. **Kossev A.R.** (2012) Sensorimotor integration: TMS studies of processing of proprioceptive information in health and disease. *Scripta Scientifica Medica*, **44**(1), Suppl. 1: 5-10. (ISSN: 0582-3250)
119. **Косев А.**, Александров А., Даскалов М (2012) Транскраниална магнитна стимулация в норма и патология., Академично издателство „Проф. Марин Дринов”, София, под печат (монография) (ISBN: 978-954-322-163)

120. Mancheva K., Christova L., **Koshev A.** (2013) Effects of muscle activation mode on reaction time. *Comt. r. Acad. bulg. sci.*, **66(11): 1633-1638.** (ISSN 1310-1331)

(IF = 0.211)