

Alexander V Nowicky

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

1,507
citations

279487

23
h-index

315357

38
g-index

53
all docs

53
docs citations

53
times ranked

1644
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | The relationship between mitochondrial state, ATP hydrolysis, [Mg ²⁺] _i and [Ca ²⁺] _i studied in isolated rat cardiomyocytes.. Journal of Physiology, 1996, 496, 111-128. | 1.3 | 203 |
| 2 | The modulation of long-term potentiation by delta-9-tetrahydrocannabinol in the rat hippocampus, in vitro. Brain Research Bulletin, 1987, 19, 663-672. | 1.4 | 95 |
| 3 | Changes in [Ca ²⁺] _i and membrane currents during impaired mitochondrial metabolism in dissociated rat hippocampal neurons. Journal of Physiology, 1998, 507, 131-145. | 1.3 | 78 |
| 4 | Corticomotor excitability contributes to neuromuscular fatigue following marathon running in man. Experimental Physiology, 2007, 92, 417-426. | 0.9 | 69 |
| 5 | Do oarsmen have asymmetries in the strength of their back and leg muscles?. Journal of Sports Sciences, 2001, 19, 521-526. | 1.0 | 60 |
| 6 | The nitric oxide synthase inhibitor, N-monomethyl-L-arginine blocks induction of a long-term potentiation-like phenomenon in rat medial frontal cortical neurons in vitro. Journal of Neurophysiology, 1993, 70, 1255-1259. | 0.9 | 59 |
| 7 | Diaphragm and intercostal surface EMG and muscle performance after acute inspiratory muscle loading. Respiratory Physiology and Neurobiology, 2007, 155, 213-219. | 0.7 | 57 |
| 8 | Effects of auditory stimuli on electrical activity in the brain during cycle ergometry. Physiology and Behavior, 2017, 177, 135-147. | 1.0 | 57 |
| 9 | The postsynaptic induction of nonassociative long-term depression of excitatory synaptic transmission in rat hippocampal slices. Journal of Neurophysiology, 1993, 69, 219-229. | 0.9 | 56 |
| 10 | The Effects of Direct Current Stimulation on Exercise Performance, Pacing and Perception in Temperate and Hot Environments. Brain Stimulation, 2016, 9, 842-849. | 0.7 | 51 |
| 11 | Somatotopy of Perceptual Threshold to Cutaneous Electrical Stimulation in Man. Experimental Physiology, 2001, 86, 127-130. | 0.9 | 43 |
| 12 | Mapping the cortical representation of the lumbar paravertebral muscles. Clinical Neurophysiology, 2007, 118, 2451-2455. | 0.7 | 40 |
| 13 | Cerebral mechanisms underlying the effects of music during a fatiguing isometric ankle dorsiflexion task. Psychophysiology, 2016, 53, 1472-1483. | 1.2 | 40 |
| 14 | The feasibility, acceptability and preliminary efficacy of a low-cost, virtual-reality based, upper-limb stroke rehabilitation device: a mixed methods study. Disability and Rehabilitation, 2019, 41, 2119-2134. | 0.9 | 37 |
| 15 | Corticospinal Control of Human Erector Spinae Muscles. Motor Control, 2001, 5, 270-280. | 0.3 | 36 |
| 16 | Corticospinal Facilitation Studied During Voluntary Contraction of Human Abdominal Muscles. Experimental Physiology, 2001, 86, 131-136. | 0.9 | 33 |
| 17 | Segmental Recording of Cortical Motor Evoked Potentials from Thoracic Paravertebral Myotomes in Complete Spinal Cord Injury. Spine, 2002, 27, 1438-1443. | 1.0 | 32 |
| 18 | Cerebral effects of music during isometric exercise: An fMRI study. International Journal of Psychophysiology, 2018, 133, 131-139. | 0.5 | 31 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | The development of GABAB-mediated activity in the rat dentate gyrus. <i>Developmental Brain Research</i> , 1994, 77, 295-298. | 2.1 | 29 |
| 20 | Influence of acute inspiratory loading upon diaphragm motor-evoked potentials in healthy humans. <i>Journal of Applied Physiology</i> , 2007, 102, 1883-1890. | 1.2 | 29 |
| 21 | The Effect of Transcranial Direct Current Stimulation on Perception of Effort in an Isolated Isometric Elbow Flexion Task. <i>Motor Control</i> , 2013, 17, 412-426. | 0.3 | 29 |
| 22 | Investigation of \hat{I}^2 -adrenergic modulation of synaptic transmission and postsynaptic induction of associative LTP in layer V neurones in slices of rat sensorimotor cortex. <i>Neuroscience Letters</i> , 1992, 137, 270-273. | 1.0 | 28 |
| 23 | Activation of Back Muscles During Voluntary Abduction of the Contralateral Arm in Humans. <i>Spine</i> , 2002, 27, 1355-1360. | 1.0 | 27 |
| 24 | Motor resonance during action observation is gaze-contingent: A TMS study. <i>Neuropsychologia</i> , 2017, 103, 77-86. | 0.7 | 26 |
| 25 | Hemispheric lateralisation and immune function: A systematic review of human research. <i>Journal of Neuroimmunology</i> , 2011, 240-241, 1-12. | 1.1 | 24 |
| 26 | Effects of auditory distraction on voluntary movements: exploring the underlying mechanisms associated with parallel processing. <i>Psychological Research</i> , 2018, 82, 720-733. | 1.0 | 21 |
| 27 | Rehabilitation via HOME Based gaming exercise for the Upper-limb post Stroke (RHOMBUS): protocol of an intervention feasibility trial. <i>BMJ Open</i> , 2018, 8, e026620. | 0.8 | 21 |
| 28 | Reliability, validity and minimal detectable change of the Mini-BESTest in Greek participants with chronic stroke. <i>Physiotherapy Theory and Practice</i> , 2019, 35, 171-182. | 0.6 | 21 |
| 29 | Evaluation of the Numeric Rating Scale for perception of effort during isometric elbow flexion exercise. <i>European Journal of Applied Physiology</i> , 2012, 112, 1167-1175. | 1.2 | 18 |
| 30 | The impact of ergometer design on hip and trunk muscle activity patterns in elite rowers: an electromyographic assessment. <i>Journal of Sports Science and Medicine</i> , 2005, 4, 18-28. | 0.7 | 17 |
| 31 | Characterization of Ca^{2+} -activated $^{86}Rb^{+}$ fluxes in rat C6 glioma cells: a system for identifying novel IK_{Ca} -channel toxins. <i>British Journal of Pharmacology</i> , 1996, 117, 479-487. | 2.7 | 16 |
| 32 | Ready Exerciser One : Effects of music and virtual reality on cycle ergometer exercise. <i>British Journal of Health Psychology</i> , 2021, 26, 15-32. | 1.9 | 16 |
| 33 | Human corticospinal excitability in microgravity and hypergravity during parabolic flight. <i>Aviation, Space, and Environmental Medicine</i> , 2004, 75, 359-63. | 0.6 | 15 |
| 34 | Voluntary motor function in patients with chronic fatigue syndrome. <i>Journal of Psychosomatic Research</i> , 2001, 50, 17-20. | 1.2 | 14 |
| 35 | Sonification of combined action observation and motor imagery: Effects on corticospinal excitability. <i>Brain and Cognition</i> , 2021, 152, 105768. | 0.8 | 12 |
| 36 | The effect of transcranial direct current stimulation (tDCS) on food craving, reward and appetite in a healthy population. <i>Appetite</i> , 2021, 157, 105004. | 1.8 | 10 |

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|----|---|-----|-----------|
| 37 | Perception of Effort Changes Following an Isometric Fatiguing Exercise of Elbow Flexors. <i>Motor Control</i> , 2014, 18, 146-164. | 0.3 | 9 |
| 38 | Modulating eating behavior with transcranial direct current stimulation (tDCS): A systematic literature review on the impact of eating behavior traits. <i>Obesity Reviews</i> , 2022, 23, e13364. | 3.1 | 7 |
| 39 | Corticospinal Inhibition Appears Normal in Patients with Chronic Fatigue Syndrome. <i>Experimental Physiology</i> , 2001, 86, 547-550. | 0.9 | 6 |
| 40 | A New Method for Tracking of Motor Skill Learning Through Practical Application of Fitts's Law. <i>Journal of Motor Behavior</i> , 2013, 45, 181-193. | 0.5 | 6 |
| 41 | Does sonification of action simulation training impact corticospinal excitability and audiomotor plasticity?. <i>Experimental Brain Research</i> , 2021, 239, 1489-1505. | 0.7 | 6 |
| 42 | Deficit in motor performance correlates with changed corticospinal excitability in patients with chronic fatigue syndrome. <i>International Journal of Clinical Practice</i> , 2003, 57, 262-4. | 0.8 | 6 |
| 43 | Magnetic versus electrical stimulation in the interpolation twitch technique of elbow flexors. <i>Journal of Sports Science and Medicine</i> , 2012, 11, 709-18. | 0.7 | 5 |
| 44 | A slice preparation preserving the callosal projection to contralateral visual cortex. <i>Journal of Neuroscience Methods</i> , 1990, 33, 171-178. | 1.3 | 3 |
| 45 | Safety, feasibility, acceptability and preliminary effects of the Neurofenix platform for Rehabilitation via HOME Based gaming exercise for the Upper-limb post Stroke (RHOMBUS): results of a feasibility intervention study. <i>BMJ Open</i> , 2022, 12, e052555. | 0.8 | 3 |
| 46 | Effective Transcranial Direct Current Stimulation Parameters for the Modulation of Eating Behavior: A Systematic Literature Review and Meta-Analysis. <i>Psychosomatic Medicine</i> , 2022, 84, 646-657. | 1.3 | 3 |
| 47 | Prospective Relationship between Hemispheric Lateralisation and CD4+ T Cells in Human Immunodeficiency Virus Type 1. <i>NeuroImmunoModulation</i> , 2014, 21, 31-36. | 0.9 | 2 |
| 48 | Dynamic task observation: A gaze-mediated complement to traditional action observation treatment?. <i>Behavioural Brain Research</i> , 2020, 379, 112351. | 1.2 | 1 |
| 49 | Intracellular calcium and mitochondrial function in cell physiology and pathophysiology. <i>Pathophysiology</i> , 1994, 1, 126. | 1.0 | 0 |
| 50 | Effect of low frequency somatosensory rTMS on motor cortical excitability following mirror drawing practice. <i>Brain Stimulation</i> , 2008, 1, 242. | 0.7 | 0 |
| 51 | The relation between hemispheric lateralisation and measures of immune competence and adherence in Human Immunodeficiency Virus Type 1 (HIV-1). <i>Retrovirology</i> , 2012, 9, . | 0.9 | 0 |
| 52 | Inspiratory Mouth Pressures And Motor Evoked Potentials Following Non-fatiguing Inspiratory Loading. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, S333. | 0.2 | 0 |
| 53 | Inspiratory Mouth Pressures And Motor Evoked Potentials Following Non-fatiguing Inspiratory Loading. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, S333. | 0.2 | 0 |