

Motoki Kouzaki

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1098294/publications.pdf>

Version: 2024-02-01

65
papers

2,278
citations

257450

24
h-index

223800

46
g-index

66
all docs

66
docs citations

66
times ranked

1909
citing authors

#	ARTICLE	IF	CITATIONS
1	Modular control of muscle coordination patterns during various stride time and stride length combinations. <i>Gait and Posture</i> , 2022, 94, 230-235.	1.4	3
2	Muscle synergies of multidirectional postural control in astronauts on Earth after a long-term stay in space. <i>Journal of Neurophysiology</i> , 2022, 127, 1230-1239.	1.8	3
3	Novel Insights Into Biarticular Muscle Actions Gained From High-Density Electromyogram. <i>Exercise and Sport Sciences Reviews</i> , 2021, 49, 179-187.	3.0	23
4	Modulation of spatial and temporal modules in lower limb muscle activations during walking with simulated reduced gravity. <i>Scientific Reports</i> , 2021, 11, 14749.	3.3	7
5	Disturbance of neural coupling between upper and lower limbs during gait transition. <i>Neuroscience Letters</i> , 2021, 761, 136100.	2.1	1
6	Modulation of Neural and Muscular Adaptation Processes During Resistance Training by Fish Protein Ingestions in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 867-874.	3.6	13
7	Effects of combining exercise with long-chain polyunsaturated fatty acid supplementation on cognitive function in the elderly: a randomised controlled trial. <i>Scientific Reports</i> , 2020, 10, 12906.	3.3	12
8	Blood flow in astronauts on Earth after long space stay. <i>Acta Astronautica</i> , 2020, 175, 462-464.	3.2	3
9	Visuomotor Transformation for the Lead Leg Affects Trail Leg Trajectories During Visually Guided Crossing Over a Virtual Obstacle in Humans. <i>Frontiers in Neuroscience</i> , 2020, 14, 357.	2.8	10
10	Data-driven spectral analysis for coordinative structures in periodic human locomotion. <i>Scientific Reports</i> , 2019, 9, 16755.	3.3	13
11	Local dynamic stability in temporal pattern of intersegmental coordination during various stride time and stride length combinations. <i>Experimental Brain Research</i> , 2019, 237, 257-271.	1.5	8
12	Relationships between muscle strength and multi-channel surface EMG parameters in eighty-eight elderly. <i>European Review of Aging and Physical Activity</i> , 2018, 15, 3.	2.9	35
13	Lower Local Dynamic Stability and Invariable Orbital Stability in the Activation of Muscle Synergies in Response to Accelerated Walking Speeds. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 485.	2.0	7
14	Effect of Resistance Training and Fish Protein Intake on Motor Unit Firing Pattern and Motor Function of Elderly. <i>Frontiers in Physiology</i> , 2018, 9, 1733.	2.8	21
15	Modularity speeds up motor learning by overcoming mechanical bias in musculoskeletal geometry. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20180249.	3.4	13
16	Speed-Dependent Modulation of Muscle Activity Based on Muscle Synergies during Treadmill Walking. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 4.	2.0	49
17	Relationship between regional neuromuscular regulation within human rectus femoris muscle and lower extremity kinematics during gait in elderly men. <i>Journal of Electromyography and Kinesiology</i> , 2018, 41, 103-108.	1.7	4
18	Asymmetric interlimb role-sharing in mechanical power during human sideways locomotion. <i>Journal of Biomechanics</i> , 2017, 57, 79-86.	2.1	4

#	ARTICLE	IF	CITATIONS
19	Effect of aging on region-specific functional role and muscle geometry along human rectus femoris muscle. <i>Muscle and Nerve</i> , 2017, 56, 982-986.	2.2	5
20	Intermittent muscle activity in the feedback loop of postural control system during natural quiet standing. <i>Scientific Reports</i> , 2017, 7, 10631.	3.3	14
21	Effect of aging on regional neuromuscular regulation within human rectus femoris muscle during stair ascent and descent. <i>Gait and Posture</i> , 2017, 52, 26-32.	1.4	9
22	Action Direction of Muscle Synergies in Voluntary Multi-Directional Postural Control. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 434.	2.0	7
23	Comparison of muscle synergies for running between different foot strike patterns. <i>PLoS ONE</i> , 2017, 12, e0171535.	2.5	38
24	Effect of intermittent feedback control on robustness of human-like postural control system. <i>Scientific Reports</i> , 2016, 6, 22446.	3.3	18
25	Age-related changes in motor unit firing pattern of vastus lateralis muscle during low-moderate contraction. <i>Age</i> , 2016, 38, 48.	3.0	79
26	Regional neuromuscular regulation within human rectus femoris muscle during gait in young and elderly men. <i>Journal of Biomechanics</i> , 2016, 49, 19-25.	2.1	26
27	Mutual and asynchronous anticipation and action in sports as globally competitive and locally coordinative dynamics. <i>Scientific Reports</i> , 2015, 5, 16140.	3.3	20
28	Action Direction of Muscle Synergies in Three-Dimensional Force Space. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 187.	4.1	7
29	Identification of muscle synergies associated with gait transition in humans. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 48.	2.0	65
30	The Return Trip Is Felt Shorter Only Postdictively: A Psychophysiological Study of the Return Trip Effect. <i>PLoS ONE</i> , 2015, 10, e0127779.	2.5	4
31	Preparatory Body State before Reacting to an Opponent: Short-Term Joint Torque Fluctuation in Real-Time Competitive Sports. <i>PLoS ONE</i> , 2015, 10, e0128571.	2.5	10
32	Heterogeneous neuromuscular activation within human rectus femoris muscle during pedaling. <i>Muscle and Nerve</i> , 2015, 52, 404-411.	2.2	21
33	Non-uniform recruitment along human rectus femoris muscle during transcutaneous electrical nerve stimulation. <i>European Journal of Applied Physiology</i> , 2015, 115, 2159-2165.	2.5	9
34	Recruitment of muscle synergies is associated with endpoint force fluctuations during multi-directional isometric contractions. <i>Experimental Brain Research</i> , 2015, 233, 1811-1823.	1.5	9
35	Spatial EMG potential distribution of biceps brachii muscle during resistance training and detraining. <i>European Journal of Applied Physiology</i> , 2015, 115, 2661-2670.	2.5	27
36	Effects of microgravity on blood flow in the upper and lower limbs. <i>Aerospace Science and Technology</i> , 2014, 34, 20-23.	4.8	7

#	ARTICLE	IF	CITATIONS
37	Inter- and intra-lower limb joint coordination of non-expert classical ballet dancers during tiptoe standing. <i>Human Movement Science</i> , 2014, 34, 41-56.	1.4	11
38	Regional neuromuscular regulation within human rectus femoris muscle during gait. <i>Journal of Biomechanics</i> , 2014, 47, 3502-3508.	2.1	42
39	The flexible recruitment of muscle synergies depends on the required force-generating capability. <i>Journal of Neurophysiology</i> , 2014, 112, 316-327.	1.8	43
40	Medial gastrocnemius is a key muscle for involuntary alternate muscle activity of plantar flexor synergists. <i>Neuroscience Letters</i> , 2013, 550, 145-149.	2.1	2
41	Synergistic co-activation in multi-directional postural control in humans. <i>Journal of Electromyography and Kinesiology</i> , 2013, 23, 430-437.	1.7	17
42	Significance of finger tactile information for postural stability in humans. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2013, 2, 29-36.	0.3	0
43	Subthreshold electrical stimulation reduces motor unit discharge variability and decreases the force fluctuations of plantar flexion. <i>Neuroscience Letters</i> , 2012, 513, 146-150.	2.1	17
44	Region specificity of rectus femoris muscle for force vectors in vivo. <i>Journal of Biomechanics</i> , 2012, 45, 179-182.	2.1	13
45	Postural sway during quiet standing is related to physiological tremor and muscle volume in young and elderly adults. <i>Gait and Posture</i> , 2012, 35, 11-17.	1.4	75
46	Large postural fluctuations but unchanged postural sway dynamics during tiptoe standing compared to quiet standing. <i>Journal of Electromyography and Kinesiology</i> , 2012, 22, 975-982.	1.7	9
47	Alternate muscle activity patterns among synergists of the quadriceps femoris including the vastus intermedius during low-level sustained contraction in men. <i>Muscle and Nerve</i> , 2012, 46, 86-95.	2.2	16
48	PGC-1 α and FOXO1 mRNA levels and fiber characteristics of the soleus and plantaris muscles in rats after hindlimb unloading. <i>Histology and Histopathology</i> , 2011, 26, 1545-53.	0.7	31
49	Steadiness in plantar flexor muscles and its relation to postural sway in young and elderly adults. <i>Muscle and Nerve</i> , 2010, 42, 78-87.	2.2	113
50	Reduced postural sway during quiet standing by light touch is due to finger tactile feedback but not mechanical support. <i>Experimental Brain Research</i> , 2008, 188, 153-158.	1.5	123
51	Frequency features of mechanomyographic signals of human soleus muscle during quiet standing. <i>Journal of Neuroscience Methods</i> , 2008, 173, 241-248.	2.5	16
52	The medial gastrocnemius muscle attenuates force fluctuations during plantar flexion. <i>Experimental Brain Research</i> , 2006, 169, 15-23.	1.5	33
53	The frequency of alternate muscle activity is associated with the attenuation in muscle fatigue. <i>Journal of Applied Physiology</i> , 2006, 101, 715-720.	2.5	48
54	Significant Roles of Synergistic Muscles in Human Redundant and Complicated Activities. <i>International Journal of Sport and Health Science</i> , 2005, 3, 181-193.	0.2	0

#	ARTICLE	IF	CITATIONS
55	Force fluctuations are modulated by alternate muscle activity of knee extensor synergists during low-level sustained contraction. <i>Journal of Applied Physiology</i> , 2004, 97, 2121-2131.	2.5	53
56	Importance of Body Sway Velocity Information in Controlling Ankle Extensor Activities During Quiet Stance. <i>Journal of Neurophysiology</i> , 2003, 90, 3774-3782.	1.8	274
57	Local blood circulation among knee extensor synergists in relation to alternate muscle activity during low-level sustained contraction. <i>Journal of Applied Physiology</i> , 2003, 95, 49-56.	2.5	27
58	Alternate muscle activity observed between knee extensor synergists during low-level sustained contractions. <i>Journal of Applied Physiology</i> , 2002, 93, 675-684.	2.5	83
59	Changes in muscle size, architecture, and neural activation after 20 days of bed rest with and without resistance exercise. <i>European Journal of Applied Physiology</i> , 2001, 84, 7-12.	2.5	168
60	Decrease in maximal voluntary contraction by tonic vibration applied to a single synergist muscle in humans. <i>Journal of Applied Physiology</i> , 2000, 89, 1420-1424.	2.5	97
61	Non-uniform mechanical activity of quadriceps muscle during fatigue by repeated maximal voluntary contraction in humans. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1999, 80, 9-15.	1.2	68
62	Mechanomyogram from the different heads of the quadriceps muscle during incremental knee extension. <i>European Journal of Applied Physiology</i> , 1998, 78, 289-295.	2.5	60
63	Mechanomyography of the human quadriceps muscle during incremental cycle ergometry. <i>European Journal of Applied Physiology</i> , 1997, 76, 314-319.	2.5	72
64	Efficacy of tourniquet ischemia for strength training with low resistance. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1997, 77, 189-191.	1.2	158
65	Visuomotor Adaptation of Lower Extremity Movements During Virtual Ball-Kicking Task. <i>Frontiers in Sports and Active Living</i> , 0, 4, .	1.8	3