

Daichi Nozaki

List of Publications by Year in descending order

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79
papers

3,303
citations

172457

29
h-index

155660

55
g-index

84
all docs

84
docs citations

84
times ranked

2617
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Effects of Colored Noise on Stochastic Resonance in Sensory Neurons. <i>Physical Review Letters</i> , 1999, 82, 2402-2405.	7.8	268
3	Limited transfer of learning between unimanual and bimanual skills within the same limb. <i>Nature Neuroscience</i> , 2006, 9, 1364-1366.	14.8	178
4	Behavioral Stochastic Resonance within the Human Brain. <i>Physical Review Letters</i> , 2003, 90, 218103.	7.8	165
5	Functional Stochastic Resonance in the Human Brain: Noise Induced Sensitization of Baroreflex System. <i>Physical Review Letters</i> , 2000, 85, 3740-3743.	7.8	140
6	Distinct Motor Plans Form and Retrieve Distinct Motor Memories for Physically Identical Movements. <i>Current Biology</i> , 2012, 22, 432-436.	3.9	125
7	Specific tension of elbow flexor and extensor muscles based on magnetic resonance imaging. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1994, 68, 139-147.	1.2	121
8	Reciprocal angular acceleration of the ankle and hip joints during quiet standing in humans. <i>Experimental Brain Research</i> , 2001, 136, 463-473.	1.5	108
9	Testing Bayesian Models of Human Coincidence Timing. <i>Journal of Neurophysiology</i> , 2005, 94, 395-399.	1.8	108
10	The "Cutaneous Rabbit" Hopping out of the Body. <i>Journal of Neuroscience</i> , 2010, 30, 1856-1860.	3.6	89
11	Shaping Appropriate Locomotive Motor Output Through Interlimb Neural Pathway Within Spinal Cord in Humans. <i>Journal of Neurophysiology</i> , 2008, 99, 2946-2955.	1.8	88
12	Adaptation to Visual Feedback Delay Influences Visuomotor Learning. <i>PLoS ONE</i> , 2012, 7, e37900.	2.5	71
13	Enhancement of stochastic resonance in a FitzHugh-Nagumo neuronal model driven by colored noise. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998, 243, 281-287.	2.1	70
14	Alternate Leg Movement Amplifies Locomotor-Like Muscle Activity in Spinal Cord Injured Persons. <i>Journal of Neurophysiology</i> , 2005, 93, 777-785.	1.8	68
15	Reliability of measurement of oxygen uptake by a portable telemetric system. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1992, 65, 409-414.	1.2	67
16	1/fNoise Outperforms White Noise in Sensitizing Baroreflex Function in the Human Brain. <i>Physical Review Letters</i> , 2003, 91, 078101.	7.8	67
17	Precursors of Dancing and Singing to Music in Three- to Four-Months-Old Infants. <i>PLoS ONE</i> , 2014, 9, e97680.	2.5	65
18	Human cortical activities during Go/NoGo tasks with opposite motor control paradigms. <i>Experimental Brain Research</i> , 2002, 142, 301-307.	1.5	62

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19	Asymmetric Transfer of Visuomotor Learning between Discrete and Rhythmic Movements. <i>Journal of Neuroscience</i> , 2010, 30, 4515-4521.	3.6	62
20	Noise-induced large-scale phase synchronization of human-brain activity associated with behavioural stochastic resonance. <i>Europhysics Letters</i> , 2007, 80, 40009.	2.0	58
21	Gain Field Encoding of the Kinematics of Both Arms in the Internal Model Enables Flexible Bimanual Action. <i>Journal of Neuroscience</i> , 2011, 31, 17058-17068.	3.6	56
22	Prospective errors determine motor learning. <i>Nature Communications</i> , 2015, 6, 5925.	12.8	56
23	Mechanism of stochastic resonance enhancement in neuronal models driven by noise. <i>Physical Review E</i> , 1999, 60, 4637-4644.	2.1	49
24	Effects of loading and unloading of lower limb joints on the soleus H-reflex in standing humans. <i>Clinical Neurophysiology</i> , 2004, 115, 1296-1304.	1.5	49
25	Internal noise determines external stochastic resonance in visual perception. <i>Vision Research</i> , 2008, 48, 1569-1573.	1.4	49
26	Somatosensory graviception inhibits soleus H-reflex during erect posture in humans as revealed by parabolic flight experiment. <i>Experimental Brain Research</i> , 2003, 150, 109-113.	1.5	47
27	Multi-compartment model can explain partial transfer of learning within the same limb between unimanual and bimanual reaching. <i>Experimental Brain Research</i> , 2009, 194, 451-463.	1.5	47
28	Muscle Activity Determined by Cosine Tuning With a Nontrivial Preferred Direction During Isometric Force Exertion by Lower Limb. <i>Journal of Neurophysiology</i> , 2005, 93, 2614-2624.	1.8	46
29	How does stochastic resonance work within the human brain? “Psychophysics of internal and external noise. <i>Chemical Physics</i> , 2010, 375, 616-624.	1.9	44
30	Learning feedback and feedforward control in a mirror-reversed visual environment. <i>Journal of Neurophysiology</i> , 2015, 114, 2187-2193.	1.8	34
31	Stretch reflex excitability of the anti-gravity ankle extensor muscle in elderly humans. <i>Acta Physiologica Scandinavica</i> , 2004, 180, 99-105.	2.2	30
32	Hysteresis in corticospinal excitability during gradual muscle contraction and relaxation in humans. <i>Experimental Brain Research</i> , 2003, 152, 123-132.	1.5	28
33	Simultaneous Processing of Information on Multiple Errors in Visuomotor Learning. <i>PLoS ONE</i> , 2013, 8, e72741.	2.5	27
34	Individuals physically interacting in a group rapidly coordinate their movement by estimating the collective goal. <i>ELife</i> , 2019, 8, .	6.0	26
35	Sustained Muscle Contractions Maintained by Autonomous Neuronal Activity Within the Human Spinal Cord. <i>Journal of Neurophysiology</i> , 2003, 90, 2090-2097.	1.8	25
36	Intermittent Visual Feedback Can Boost Motor Learning of Rhythmic Movements: Evidence for Error Feedback Beyond Cycles. <i>Journal of Neuroscience</i> , 2012, 32, 653-657.	3.6	25

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37	Facilitation of both stretch reflex and corticospinal pathways of the tibialis anterior muscle during standing in humans. <i>Neuroscience Letters</i> , 2003, 338, 53-56.	2.1	24
38	Visuomotor Map Determines How Visually Guided Reaching Movements are Corrected Within and Across Trials. <i>ENeuro</i> , 2016, 3, ENEURO.0032-16.2016.	1.9	24
39	Lateralized Sensitivity of Motor Memories to the Kinematics of the Opposite Arm Reveals Functional Specialization during Bimanual Actions. <i>Journal of Neuroscience</i> , 2014, 34, 9141-9151.	3.6	23
40	Maximal Voluntary Force Strengthened by the Enhancement of Motor System State through Barely Visible Priming Words with Reward. <i>PLoS ONE</i> , 2014, 9, e109422.	2.5	23
41	Cross talk in implicit assignment of error information during bimanual visuomotor learning. <i>Journal of Neurophysiology</i> , 2011, 106, 1218-1226.	1.8	22
42	Fractal correlation in human H-reflex. <i>Experimental Brain Research</i> , 1990, 105, 402-10.	1.5	21
43	Habituation to Feedback Delay Restores Degraded Visuomotor Adaptation by Altering Both Sensory Prediction Error and the Sensitivity of Adaptation to the Error. <i>Frontiers in Psychology</i> , 2012, 3, 540.	2.1	21
44	Anti-phase action between the angular accelerations of trunk and leg is reduced in the elderly. <i>Gait and Posture</i> , 2014, 40, 107-112.	1.4	21
45	Divisively Normalized Integration of Multisensory Error Information Develops Motor Memories Specific to Vision and Proprioception. <i>Journal of Neuroscience</i> , 2020, 40, 1560-1570.	3.6	21
46	Tagging motor memories with transcranial direct current stimulation allows later artificially-controlled retrieval. <i>ELife</i> , 2016, 5, .	6.0	21
47	Learning with Slight Forgetting Optimizes Sensorimotor Transformation in Redundant Motor Systems. <i>PLoS Computational Biology</i> , 2012, 8, e1002590.	3.2	20
48	Force overestimation during tourniquet-induced transient occlusion of the brachial artery and possible underlying neural mechanisms. <i>Neuroscience Research</i> , 2006, 54, 38-42.	1.9	17
49	Functional Modulation of Corticospinal Excitability with Adaptation of Wrist Movements to Novel Dynamical Environments. <i>Journal of Neuroscience</i> , 2014, 34, 12415-12424.	3.6	15
50	Hypnotic suggestion alters the state of the motor cortex. <i>Neuroscience Research</i> , 2014, 85, 28-32.	1.9	15
51	Uncertainty of knee joint muscle activity during knee joint torque exertion: the significance of controlling adjacent joint torque. <i>Journal of Applied Physiology</i> , 2005, 99, 1093-1103.	2.5	14
52	A generalized method to estimate waveforms common across trials from EEGs. <i>NeuroImage</i> , 2010, 51, 629-641.	4.2	11
53	Long-latency TMS-evoked potentials during motor execution and inhibition. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 751.	2.0	11
54	Pupil dilations induced by barely conscious reward goal-priming. <i>Neuropsychologia</i> , 2017, 103, 69-76.	1.6	11

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55	Motivational goal-priming with or without awareness produces faster and stronger force exertion. <i>Scientific Reports</i> , 2018, 8, 10135.	3.3	10
56	Temporal correlations in center of body mass fluctuations during standing and walking. <i>Human Movement Science</i> , 2010, 29, 556-566.	1.4	9
57	Gradual increment/decrement of isometric force modulates soleus stretch reflex response in humans. <i>Neuroscience Letters</i> , 2003, 347, 25-28.	2.1	7
58	Improving a Bimanual Motor Skill Through Unimanual Training. <i>Frontiers in Integrative Neuroscience</i> , 2016, 10, 25.	2.1	6
59	Behavioral stochastic resonance associated with large-scale synchronization of human brain activity. <i>PLoS ONE</i> , 2004, 5, 467-473.		5
60	Torque Interaction among Adjacent Joints due to the Action of Biarticular Muscles. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 205-209.	0.4	5
61	Noise-induced sensitization of human brain. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 314, 53-60.	2.6	4
62	Neural Mechanisms Underlying Stop-and-Restart Difficulties: Involvement of the Motor and Perceptual Systems. <i>PLoS ONE</i> , 2013, 8, e82272.	2.5	4
63	Cosine tuning determines plantarflexors' activities during human upright standing and is affected by incomplete spinal cord injury. <i>Journal of Neurophysiology</i> , 2020, 123, 2343-2354.	1.8	4
64	Extracting a stimulus-unlocked component from EEG during NoGo trials of a Go/NoGo task. <i>NeuroImage</i> , 2008, 41, 777-788.	4.2	3
65	Shouting strengthens maximal voluntary force and is associated with augmented pupillary dilation. <i>Scientific Reports</i> , 2021, 11, 18419.	3.3	3
66	Effects of Local Gravity Compensation on Motor Control During Altered Environmental Gravity. <i>Frontiers in Neural Circuits</i> , 2021, 15, 750267.	2.8	3
67	Motor imagery helps updating internal models during microgravity exposure. <i>Journal of Neurophysiology</i> , 2022, , .	1.8	3
68	Effects of Simulated Microgravity and Hypergravity Conditions on Arm Movements in Normogravity. <i>Frontiers in Neural Circuits</i> , 2021, 15, 750176.	2.8	3
69	Paralympic Brain: Compensation and Reorganization of a Damaged Human Brain with Intensive Physical Training. <i>Sports</i> , 2020, 8, 46.	1.7	2
70	Behavioral stochastic resonance in the human brain. <i>PLoS ONE</i> , 2003, 5, 110-116.		1
71	Functional Roles of Noise and Fluctuations in the Human Brain. <i>AIP Conference Proceedings</i> , 2005, , .	0.4	1
72	Stochastic Resonance in the Human Brain. <i>The Japanese Journal of Rehabilitation Medicine</i> , 2003, 36, 11-16.		1

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73	Noise-Induced Sensitization of Human Brain: Toward the Neurological Application of Stochastic Resonance. AIP Conference Proceedings, 2003, , .	0.4	0
74	Bayesian Adaptive Estimation of Psychometric Functions in Noisy Environments. AIP Conference Proceedings, 2007, , .	0.4	0
75	The unconscious mental inhibiting process of human maximal voluntary contraction. Psychological Research, 2021, , 1.	1.7	0
76	Context-Dependent Formation and Retrieval of Human Motor Memories. , 2015, , 303-314.		0
77	Left-right Asymmetry in the Motor System. The Brain & Neural Networks, 2015, 22, 16-29.	0.1	0
78	Context-Dependent Human Motor Memories: Function, Implementation, and Manipulation. Advances in Cognitive Neurodynamics, 2016, , 75-78.	0.1	0
79	Motor learning of arm reaching movement in redundant musculoskeletal system. The Proceedings of the Symposium on Sports and Human Dynamics, 2018, 2018, A-26.	0.0	0