

Alaa A Ahmed

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,344
citations

516710

16
h-index

434195

31
g-index

38
all docs

38
docs citations

38
times ranked

1052
citing authors

#	ARTICLE	IF	CITATIONS
1	A Representation of Effort in Decision-Making and Motor Control. <i>Current Biology</i> , 2016, 26, 1929-1934.	3.9	189
2	Reduction of Metabolic Cost during Motor Learning of Arm Reaching Dynamics. <i>Journal of Neuroscience</i> , 2012, 32, 2182-2190.	3.6	144
3	Vigor of reaching movements: reward discounts the cost of effort. <i>Journal of Neurophysiology</i> , 2018, 119, 2347-2357.	1.8	131
4	Reward feedback accelerates motor learning. <i>Journal of Neurophysiology</i> , 2015, 113, 633-646.	1.8	130
5	Movement Vigor as a Reflection of Subjective Economic Utility. <i>Trends in Neurosciences</i> , 2019, 42, 323-336.	8.6	116
6	Control of movement vigor and decision making during foraging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10476-E10485.	7.1	83
7	Flexible Representations of Dynamics Are Used in Object Manipulation. <i>Current Biology</i> , 2008, 18, 763-768.	3.9	56
8	Older adults learn less, but still reduce metabolic cost, during motor adaptation. <i>Journal of Neurophysiology</i> , 2014, 111, 135-144.	1.8	49
9	Transfer of Dynamic Learning Across Postures. <i>Journal of Neurophysiology</i> , 2009, 102, 2816-2824.	1.8	40
10	Tradeoff between Stability and Maneuverability during Whole-Body Movements. <i>PLoS ONE</i> , 2011, 6, e21815.	2.5	32
11	Does risk-sensitivity transfer across movements?. <i>Journal of Neurophysiology</i> , 2013, 109, 1866-1875.	1.8	31
12	Contributions of metabolic and temporal costs to human gait selection. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20180197.	3.4	31
13	Principles of Vigor: Neuroeconomics of Movement Control. <i>Behavioral and Brain Sciences</i> , 2021, 44, e123.	0.7	27
14	Stability limits modulate whole-body motor learning. <i>Journal of Neurophysiology</i> , 2012, 107, 1952-1961.	1.8	25
15	Reductions in muscle coactivation and metabolic cost during visuomotor adaptation. <i>Journal of Neurophysiology</i> , 2014, 112, 2264-2274.	1.8	21
16	Saccade vigor and the subjective economic value of visual stimuli. <i>Journal of Neurophysiology</i> , 2020, 123, 2161-2172.	1.8	21
17	Is a loss of balance a control error signal anomaly? Evidence for three-sigma failure detection in young adults. <i>Gait and Posture</i> , 2004, 19, 252-262.	1.4	19
18	Rationality in Human Movement. <i>Exercise and Sport Sciences Reviews</i> , 2016, 44, 20-28.	3.0	16

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19	Poor estimates of motor variability are associated with longer grooved pegboard times for middle-aged and older adults. <i>Journal of Neurophysiology</i> , 2019, 121, 588-601.	1.8	16
20	On Use of a Nominal Internal Model to Detect a Loss of Balance in a Maximal Forward Reach. <i>Journal of Neurophysiology</i> , 2007, 97, 2439-2447.	1.8	15
21	Learning from the value of your mistakes: evidence for a risk-sensitive process in movement adaptation. <i>Frontiers in Computational Neuroscience</i> , 2013, 7, 118.	2.1	15
22	Transfer of postural adaptation depends on context of prior exposure. <i>Journal of Neurophysiology</i> , 2014, 111, 1466-1478.	1.8	15
23	Effect of age on detecting a loss of balance in a seated whole-body balancing task. <i>Clinical Biomechanics</i> , 2005, 20, 767-775.	1.2	11
24	Threat affects risk preferences in movement decision making. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 150.	2.0	11
25	The persistent impact of incidental experience. <i>Psychonomic Bulletin and Review</i> , 2013, 20, 1221-1231.	2.8	8
26	Role of muscle coactivation in adaptation of standing posture during arm reaching. <i>Journal of Neurophysiology</i> , 2020, 123, 529-547.	1.8	8
27	Trial-to-trial adaptation in control of arm reaching and standing posture. <i>Journal of Neurophysiology</i> , 2016, 116, 2936-2949.	1.8	7
28	Using metabolic energy to quantify the subjective value of physical effort. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20210387.	3.4	7
29	Asymmetric valuation of gains and losses in effort-based decision making. <i>PLoS ONE</i> , 2019, 14, e0223268.	2.5	5
30	Take a stand on your decisions, or take a sit: posture does not affect risk preferences in an economic task. <i>PeerJ</i> , 2014, 2, e475.	2.0	3
31	Walking: How visual exploration informs step choice. <i>Current Biology</i> , 2021, 31, R376-R378.	3.9	2
32	Whole body adaptation to novel dynamics does not transfer between effectors. <i>Journal of Neurophysiology</i> , 2021, 126, 1345-1360.	1.8	2
33	To break a habit, timing™s everything. <i>Nature Human Behaviour</i> , 2019, 3, 1244-1245.	12.0	1
34	Movement control, decision-making, and the building of Roman roads to link them. <i>Behavioral and Brain Sciences</i> , 2021, 44, e138.	0.7	0