

Luc P J Selen

List of Publications by Year in descending order

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41
papers

3,822
citations

567281

15
h-index

414414

32
g-index

46
all docs

46
docs citations

46
times ranked

4194
citing authors

#	ARTICLE	IF	CITATIONS
1	Single versus dual-rate learning when exposed to Coriolis forces during reaching movements. PLoS ONE, 2020, 15, e0240666.	2.5	4
2	Single versus dual-rate learning when exposed to Coriolis forces during reaching movements. , 2020, 15, e0240666.		0
3	Single versus dual-rate learning when exposed to Coriolis forces during reaching movements. , 2020, 15, e0240666.		0
4	Single versus dual-rate learning when exposed to Coriolis forces during reaching movements. , 2020, 15, e0240666.		0
5	Single versus dual-rate learning when exposed to Coriolis forces during reaching movements. , 2020, 15, e0240666.		0
6	Single versus dual-rate learning when exposed to Coriolis forces during reaching movements. , 2020, 15, e0240666.		0
7	Single versus dual-rate learning when exposed to Coriolis forces during reaching movements. , 2020, 15, e0240666.		0
8	Recipient Design in Communicative Pointing. Cognitive Science, 2019, 43, e12733.	1.7	7
9	Transformation of vestibular signals for the decisions of hand choice during whole body motion. Journal of Neurophysiology, 2019, 121, 2392-2400.	1.8	7
10	Age-related reweighting of visual and vestibular cues for vertical perception. Journal of Neurophysiology, 2019, 121, 1279-1288.	1.8	34
11	Task-dependent responses to muscle vibration during reaching. European Journal of Neuroscience, 2019, 49, 1477-1490.	2.6	8
12	Bayesian adaptive stimulus selection for dissociating models of psychophysical data. Journal of Vision, 2018, 18, 12.	0.3	1
13	Psychophysical Evaluation of Sensory Reweighting in Bilateral Vestibulopathy. Frontiers in Neurology, 2018, 9, 377.	2.4	28
14	Uncertainty modulated exploration in the trade-off between sensing and acting. PLoS ONE, 2018, 13, e0199544.	2.5	3
15	Corticospinal correlates of fast and slow adaptive processes in motor learning. Journal of Neurophysiology, 2018, 120, 2011-2019.	1.8	17
16	Bayesian quantification of sensory reweighting in a familial bilateral vestibular disorder (DFNA9). Journal of Neurophysiology, 2018, 119, 1209-1221.	1.8	16
17	Reference frames in the decisions of hand choice. Journal of Neurophysiology, 2018, 119, 1809-1817.	1.8	11
18	Decisions in motion: passive body acceleration modulates hand choice. Journal of Neurophysiology, 2017, 117, 2250-2261.	1.8	19

#	ARTICLE	IF	CITATIONS
19	Perception of the dynamic visual vertical during sinusoidal linear motion. Journal of Neurophysiology, 2017, 118, 2499-2506.	1.8	2
20	Task-dependent vestibular feedback responses in reaching. Journal of Neurophysiology, 2017, 118, 84-92.	1.8	27
21	Flexible Visuomotor Associations in Touchscreen Control. Frontiers in Human Neuroscience, 2017, 11, 558.	2.0	0
22	Eye Movements in Darkness Modulate Self-Motion Perception. ENeuro, 2017, 4, ENEURO.0211-16.2016.	1.9	8
23	Dissociating vestibular and somatosensory contributions to spatial orientation. Journal of Neurophysiology, 2016, 116, 30-40.	1.8	40
24	A Bayesian Account of Visual-Vestibular Interactions in the Rod-and-Frame Task. ENeuro, 2016, 3, ENEURO.0093-16.2016.	1.9	36
25	Sensory substitution in bilateral vestibular a-reflexic patients. Physiological Reports, 2015, 3, e12385.	1.7	15
26	Stability of Phase Relationships While Coordinating Arm Reaches with Whole Body Motion. PLoS ONE, 2015, 10, e0146231.	2.5	2
27	Reliability-Based Weighting of Visual and Vestibular Cues in Displacement Estimation. PLoS ONE, 2015, 10, e0145015.	2.5	26
28	Selection and control of limb posture for stability. , 2013, 2013, 5626-9.		9
29	Vestibular benefits to task savings in motor adaptation. Journal of Neurophysiology, 2013, 110, 1269-1277.	1.8	23
30	Deliberation in the Motor System: Reflex Gains Track Evolving Evidence Leading to a Decision. Journal of Neuroscience, 2012, 32, 2276-2286.	3.6	182
31	Visual stability across combined eye and body motion. Journal of Vision, 2012, 12, 8-8.	0.3	13
32	Multisensory Processing in Spatial Orientation: An Inverse Probabilistic Approach. Journal of Neuroscience, 2011, 31, 5365-5377.	3.6	127
33	Saccadic updating of object orientation for grasping movements. Vision Research, 2011, 51, 898-907.	1.4	11
34	Impedance Control Reduces Instability That Arises from Motor Noise. Journal of Neuroscience, 2009, 29, 12606-12616.	3.6	123
35	Noise in the nervous system. Nature Reviews Neuroscience, 2008, 9, 292-303.	10.2	2,230
36	Fatigue-induced changes of impedance and performance in target tracking. Experimental Brain Research, 2007, 181, 99-108.	1.5	53

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37	Impedance Modulation and Feedback Corrections in Tracking Targets of Variable Size and Frequency. Journal of Neurophysiology, 2006, 96, 2750-2759.	1.8	55
38	Impedance is modulated to meet accuracy demands during goal-directed arm movements. Experimental Brain Research, 2006, 172, 129-138.	1.5	81
39	Can co-activation reduce kinematic variability? A simulation study. Biological Cybernetics, 2005, 93, 373-381.	1.3	89
40	Trunk muscle activation in low-back pain patients, an analysis of the literature. Journal of Electromyography and Kinesiology, 2003, 13, 333-351.	1.7	511
41	Assessing corticospinal excitability and reaching hand choice during whole-body motion. Journal of Neurophysiology, 0, , .	1.8	0