Alessandro Moscatelli

List of Publications by Year
in descending order

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50 papers	1,139 citations	430442 18 h-index	414034 32 g-index
55 all docs	55 docs citations	55 times ranked	1180 citing authors

#	Article	IF	Citations
1	Hand synergies: Integration of robotics and neuroscience for understanding the control of biological and artificial hands. Physics of Life Reviews, 2016, 17, 1-23.	1.5	191
2	Modeling psychophysical data at the population-level: The generalized linear mixed model. Journal of Vision, 2012, 12, 26-26.	0.1	159
3	Locus of spatial attention determines inward-outward anisotropy in crowding. Journal of Vision, 2011, 11, 1-1.	0.1	62
4	Visual gravitational motion and the vestibular system in humans. Frontiers in Integrative Neuroscience, 2013, 7, 101.	1.0	61
5	The Change in Fingertip Contact Area as a Novel Proprioceptive Cue. Current Biology, 2016, 26, 1159-1163.	1.8	60
6	The weight of time: Gravitational force enhances discrimination of visual motion duration. Journal of Vision, 2011, 11, 5-5.	0.1	43
7	W-FYD: A Wearable Fabric-Based Display for Haptic Multi-Cue Delivery and Tactile Augmented Reality. IEEE Transactions on Haptics, 2018, 11, 304-316.	1.8	36
8	Short interval intracortical facilitation correlates with the degree of disability inÂmultiple sclerosis. Brain Stimulation, 2013, 6, 67-71.	0.7	34
9	The role of vibration in tactile speed perception. Journal of Neurophysiology, 2015, 114, 3131-3139.	0.9	34
10	Tempo Rubatoâ€Š: Animacy Speeds Up Time in the Brain. PLoS ONE, 2010, 5, e15638.	1.1	29
11	Opposite Roles of NMDA Receptors in Relapsing and Primary Progressive Multiple Sclerosis. PLoS ONE, 2013, 8, e67357.	1.1	29
12	Intercepting virtual balls approaching under different gravity conditions: evidence for spatial prediction. Journal of Neurophysiology, 2017, 118, 2421-2434.	0.9	26
13	Illusory Tactile Motion Perception: An Analog of the Visual Filehne Illusion. Scientific Reports, 2015, 5, 14584.	1.6	25
14	The microRNA let-7b-5p Is Negatively Associated with Inflammation and Disease Severity in Multiple Sclerosis. Cells, 2021, 10, 330.	1.8	24
15	How long did it last? You would better ask a human. Frontiers in Neurorobotics, 2014, 8, 2.	1.6	23
16	Path integration in tactile perception of shapes. Behavioural Brain Research, 2014, 274, 355-364.	1.2	22
17	Touch as an auxiliary proprioceptive cue for movement control. Science Advances, 2019, 5, eaaw3121.	4.7	22
18	Multidigit force control during unconstrained grasping in response to object perturbations. Journal of Neurophysiology, 2017, 117, 2025-2036.	0.9	20

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19	The interaction between motion and texture in the sense of touch. Journal of Neurophysiology, 2021, 126, 1375-1390.	0.9	20
20	Time perception of action photographs is more precise than that of still photographs. Experimental Brain Research, 2011, 210, 25-32.	0.7	18
21	Rolling Motion Along an Incline: Visual Sensitivity to the Relation Between Acceleration and Slope. Frontiers in Neuroscience, 2018, 12, 406.	1.4	18
22	Depth discrimination of constant angular size stimuli in action space: role of accommodation and convergence cues. Frontiers in Human Neuroscience, 2015, 9, 511.	1.0	16
23	Implied Dynamics Biases the Visual Perception of Velocity. PLoS ONE, 2014, 9, e93020.	1.1	14
24	Towards a synergy framework across neuroscience and robotics: Lessons learned and open questions. Reply to comments on: â€œHand synergies: Integration of robotics and neuroscience for understanding the control of biological and artificial handsâ€• Physics of Life Reviews, 2016, 17, 54-60.	1.5	13
25	Going round the bend: Persistent personal biases in walked angles. Neuroscience Letters, 2016, 617, 72-75.	1.0	11
26	Tactile slip and hand displacement: Bending hand motion with tactile illusions. , 2017, , .		11
27	Coordination of multi-digit positions and forces during unconstrained grasping in response to object perturbations. , 2014, , .		10
28	Motion direction, luminance contrast, and speed perception: An unexpected meeting. Journal of Vision, 2019, 19, 16.	0.1	10
29	A Change in the Fingertip Contact Area Induces an Illusory Displacement of the Finger. Lecture Notes in Computer Science, 2014, , 72-79.	1.0	10
30	Illusory changes in the perceived speed of motion derived from proprioception and touch. Journal of Neurophysiology, 2019, 122, 1555-1565.	0.9	9
31	Age at Disease Onset Associates With Oxidative Stress, Neuroinflammation, and Impaired Synaptic Plasticity in Relapsing-Remitting Multiple Sclerosis. Frontiers in Aging Neuroscience, 2021, 13, 694651.	1.7	9
32	Haptic and Somesthetic Communication in Sexual Medicine. Sexual Medicine Reviews, 2021, 9, 267-279.	1.5	8
33	White matter changes in patients with hypoxic amnesia. Neurocase, 2011, 17, 46-56.	0.2	7
34	Sensorymotor Synergies: Fusion of Cutaneous Touch and Proprioception in the Perceived Hand Kinematics. Springer Series on Touch and Haptic Systems, 2016, , 87-98.	0.2	5
35	The BDNF Val66Met Polymorphism (rs6265) Modulates Inflammation and Neurodegeneration in the Early Phases of Multiple Sclerosis. Genes, 2022, 13, 332.	1.0	5
36	Navigation in the fingertip. , 2013, , .		4

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37	A Novel Device Decoupling Tactile Slip and Hand Motion in Reaching Tasks: The HaptiTrack Device. IEEE Transactions on Haptics, 2021, 14, 1-1.	1.8	4
38	Visual pursuit biases tactile velocity perception. Journal of Neurophysiology, 2021, 126, 540-549.	0.9	4
39	The Haptic Analog of the Visual Aubert-Fleischl Phenomenon. Lecture Notes in Computer Science, 2014, , 34-40.	1.0	4
40	Towards a Technology-Based Assessment of Sensory-Motor Pathological States Through Tactile Illusions. , 2018, , .		3
41	Interleukin 6 SNP rs1818879 Regulates Radiological and Inflammatory Activity in Multiple Sclerosis. Genes, 2022, 13, 897.	1.0	3
42	Contact with Sliding over a Rotating Ridged Surface: the Turntable Illusion. , 2019, , .		2
43	On the Role of Lateral Force in Texture-Induced Motion Bias During Reaching Tasks. IEEE Transactions on Haptics, 2020, 13, 233-238.	1.8	2
44	Digit Position and Force Synergies During Unconstrained Grasping. Springer Series on Touch and Haptic Systems, 2016, , 29-40.	0.2	2
45	The evaluation of tactile dysfunction in the hand in type 1 diabetes: a novel method based on haptics. Acta Diabetologica, 0, , .	1.2	2
46	The Effects of Visual Parabolic Motion on the Subjective Vertical and on Interception. Neuroscience, 2021, 453, 124-137.	1.1	1
47	Role of Tactile Noise in the Control of Digit Normal Force. Frontiers in Psychology, 2021, 12, 612558.	1.1	1
48	Controlling Hand Movements Relying on Tactile Illusions: A Model Predictive Control Framework. , 2021, , .		1
49	HaptiTrack: A Novel Device for theÂEvaluation of Tactile Sensitivity in Active and in Passive Tasks. Biosystems and Biorobotics, 2022, , 617-621.	0.2	0
50	The Aikido inspiration to safety and efficiency: an investigation on forward roll impact forces. Advances in Intelligent Systems and Computing, 2016, , 119-127.	0.5	0