

Denis Mottet

List of Publications by Year in descending order

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papers

2,063
citations

236925

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87
docs citations

87
times ranked

2249
citing authors

#	ARTICLE	IF	CITATIONS
1	Validity and Reliability of Kinect v2 for Quantifying Upper Body Kinematics during Seated Reaching. Sensors, 2022, 22, 2735.	3.8	10
2	Dissociating Sensorimotor Recovery and Compensation During Exoskeleton Training Following Stroke. Frontiers in Human Neuroscience, 2021, 15, 645021.	2.0	9
3	A review of 3D human pose estimation algorithms for markerless motion capture. Computer Vision and Image Understanding, 2021, 212, 103275.	4.7	74
4	Recovering arm function in chronic stroke patients using combined anodal HD-tDCS and virtual reality therapy (ReArm): a study protocol for a randomized controlled trial. Trials, 2021, 22, 747.	1.6	13
5	The reserve of joint torque determines movement coordination. Scientific Reports, 2021, 11, 23008.	3.3	4
6	Rehabilitation of the upper arm early after stroke: Video games versus conventional rehabilitation. A randomized controlled trial. Annals of Physical and Rehabilitation Medicine, 2020, 63, 173-180.	2.3	28
7	Self-Quantification Systems to Support Physical Activity: From Theory to Implementation Principles. International Journal of Environmental Research and Public Health, 2020, 17, 9350.	2.6	7
8	Validation of a Simple Metabolic-Equivalent-of-Task Sensor Based on a Low-Cost NFC RFID Wristband. IEEE Sensors Journal, 2019, 19, 353-360.	4.7	1
9	A Task-Dynamic Approach to Throwing Skills. , 2019, , 79-82.		0
10	Modified Brain Activations of the Nondamaged Hemisphere During Ipsilesional Upper-Limb Movement in Persons With Initial Severe Motor Deficits Poststroke. Neurorehabilitation and Neural Repair, 2018, 32, 34-45.	2.9	11
11	Upper Limb Isokinetic Strengthening Versus Passive Mobilization in Patients With Chronic Stroke: A Randomized Controlled Trial. Archives of Physical Medicine and Rehabilitation, 2018, 99, 321-328.	0.9	18
12	Kinect-based assessment of proximal arm non-use after a stroke. Journal of NeuroEngineering and Rehabilitation, 2018, 15, 104.	4.6	42
13	Dissociating motor learning from recovery in exoskeleton training post-stroke. Journal of NeuroEngineering and Rehabilitation, 2018, 15, 89.	4.6	35
14	Kinematics in the brain: unmasking motor control strategies?. Experimental Brain Research, 2017, 235, 2639-2651.	1.5	7
15	Proximal arm non-use when reaching after a stroke. Neuroscience Letters, 2017, 657, 91-96.	2.1	24
16	Trajectory formation principles are the same after mild or moderate stroke. PLoS ONE, 2017, 12, e0173674.	2.5	19
17	Perceptuo-motor compatibility governs multisensory integration in bimanual coordination dynamics. Experimental Brain Research, 2016, 234, 463-474.	1.5	8
18	MACVIA-LR (FIGHTING CHRONIC DISEASES FOR ACTIVE AND HEALTHY AGEING IN LANGUEDOC-ROUSSILLON): A SUCCESS STORY OF THE EUROPEAN INNOVATION PARTNERSHIP ON ACTIVE AND HEALTHY AGEING. Journal of Frailty & Aging, 2016, 5, 1-9.	1.3	8

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19	Adaptation in serious games for upper-limb rehabilitation: an approach to improve training outcomes. <i>User Modeling and User-Adapted Interaction</i> , 2015, 25, 65-98.	3.8	85
20	The Contribution of Kinematics in the Assessment of Upper Limb Motor Recovery Early After Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2014, 28, 4-12.	2.9	111
21	Asymmetries of bilateral isometric force matching with movement intention and unilateral fatigue. <i>Experimental Brain Research</i> , 2014, 232, 1699-1706.	1.5	13
22	Innovative technologies applied to sensorimotor rehabilitation after stroke. <i>Annals of Physical and Rehabilitation Medicine</i> , 2014, 57, 543-551.	2.3	42
23	Motor Recovery of the Ipsilesional Upper Limb in Subacute Stroke. <i>Archives of Physical Medicine and Rehabilitation</i> , 2013, 94, 2283-2290.	0.9	45
24	Recovery of bimanual coordination is delayed after left hemispheric and/or purely cortical stroke lesions. <i>Journal of the Neurological Sciences</i> , 2013, 333, e230.	0.6	1
25	Somatosensory-Related Limitations for Bimanual Coordination After Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2013, 27, 507-515.	2.9	27
26	Changes in Bimanual Coordination During the First 6 Weeks After Moderate Hemiparetic Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2013, 27, 251-259.	2.9	20
27	Digital-pheromone based difficulty adaptation in post-stroke therapeutic games. , 2012, , .		10
28	Isokinetic muscle strengthening after acquired cerebral damage: A literature review. <i>Annals of Physical and Rehabilitation Medicine</i> , 2012, 55, 279-291.	2.3	34
29	Multisensory integration enhances coordination: The necessity of a phasing matching between cross-modal events and movements. <i>Seeing and Perceiving</i> , 2012, 25, 212-213.	0.3	0
30	People post-stroke perceive movement fluency in virtual reality. <i>Experimental Brain Research</i> , 2012, 218, 1-8.	1.5	16
31	Segregated audio-tactile events destabilize the bimanual coordination of distinct rhythms. <i>Experimental Brain Research</i> , 2012, 219, 409-419.	1.5	9
32	Behavioral Impact of Unisensory and Multisensory Audio-Tactile Events: Pros and Cons for Interlimb Coordination in Juggling. <i>PLoS ONE</i> , 2012, 7, e32308.	2.5	19
33	Degraded postural performance after muscle fatigue can be compensated by skin stimulation. <i>Gait and Posture</i> , 2011, 33, 686-689.	1.4	23
34	Isokinetic program in stroke survivors with chronic upper limb hemiparesis. <i>Annals of Physical and Rehabilitation Medicine</i> , 2011, 54, e138-e139.	2.3	0
35	Effects of active vs. passive recovery on repeated rugby-specific exercises. <i>Journal of Science and Medicine in Sport</i> , 2010, 13, 350-355.	1.3	17
36	A limit-cycle model of leg movements in cross-country skiing and its adjustments with fatigue. <i>Human Movement Science</i> , 2010, 29, 590-604.	1.4	7

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37	Effect of delay on dynamic targets tracking performance and behavior in virtual environment. , 2010, ,		8
38	Eye-Hand Coordination in Rhythmical Pointing. Journal of Motor Behavior, 2009, 41, 294-304.	0.9	16
39	Factors responsible for force steadiness impairment with fatigue. Muscle and Nerve, 2009, 40, 1019-1032.	2.2	38
40	Adaptation of motor behavior to preserve task success in the presence of muscle fatigue. Neuroscience, 2009, 161, 773-786.	2.3	28
41	Rehabilitation of arm function after stroke. Literature review. Annals of Physical and Rehabilitation Medicine, 2009, 52, 269-293.	2.3	275
42	The role of cocontraction in the impairment of movement accuracy with fatigue. Experimental Brain Research, 2008, 185, 151-156.	1.5	78
43	Muscular fatigue increases signal-dependent noise during isometric force production. Neuroscience Letters, 2008, 437, 154-157.	2.1	39
44	EFFECT OF NOISE ON THE AVERAGED FALSE NEIGHBORS METHOD APPLIED TO SIMULATED AND EXPERIMENTAL CHAOTIC TIMES SERIES. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 286-290.	0.4	0
45	Influence of noise on the averaged false neighbors method for analyzing time series. Physica D: Nonlinear Phenomena, 2006, 223, 229-241.	2.8	16
46	Non-Linear Analyses of Heart Rate Variability During Heavy Exercise and Recovery in Cyclists. International Journal of Sports Medicine, 2006, 27, 780-785.	1.7	57
47	Dynamic stability of locomotor respiratory coupling during cycling in humans. Neuroscience Letters, 2005, 383, 333-338.	2.1	27
48	Behind Fitts's law: kinematic patterns in goal-directed movements. International Journal of Human Computer Studies, 2004, 61, 811-821.	5.6	77
49	Dynamic Invariance in Goal-Directed Aiming. Ecological Psychology, 2004, 16, 55-60.	1.1	4
50	Stability and phase locking in human soccer juggling. Neuroscience Letters, 2004, 360, 45-48.	2.1	4
51	Informational constraints in human precision aiming. Neuroscience Letters, 2002, 333, 141-145.	2.1	29
52	Two-handed performance of a rhythmical Fitts task by individuals and dyads.. Journal of Experimental Psychology: Human Perception and Performance, 2001, 27, 1275-1286.	0.9	62
53	The dynamics of rhythmical aiming in 2D task space: Relation between geometry and kinematics under examination. Human Movement Science, 2001, 20, 213-241.	1.4	26
54	Beyond the 10-bit Barrier: Fitts's Law in Multi-Scale Electronic Worlds. , 2001, , 573-587.		21

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55	Two-handed performance of a rhythmical Fitts task by individuals and dyads.. Journal of Experimental Psychology: Human Perception and Performance, 2001, 27, 1275-1286.	0.9	47
56	The dynamics of human isometric pointing movements under varying accuracy requirements. Neuroscience Letters, 2000, 286, 49-52.	2.1	24
57	The regulation of release parameters in underarm precision throwing. Journal of Sports Sciences, 2000, 18, 375-382.	2.0	33
58	Navigation as multiscale pointing. , 1999, , .		39
59	The dynamics of goal-directed rhythmical aiming. Biological Cybernetics, 1999, 80, 235-245.	1.3	132
60	Trajectory formation and speed-accuracy trade-off in aiming movements. Comptes Rendus De L'Acad�mie Des Sciences S�rie 3, Sciences De La Vie, 1998, 321, 377-383.	0.8	8
61	Dynamics of trajectory formation and speed/accuracy trade-offs. Behavioral and Brain Sciences, 1997, 20, 303-304.	0.7	32
62	Energy Cost and Stride Duration Variability at Preferred Transition Gait Speed Between Walking and Running. Applied Physiology, Nutrition, and Metabolism, 1996, 21, 471-480.	1.7	87
63	A Note on Data Smoothing for Movement Analysis: The Relevance of a Nonlinear Method. Journal of Motor Behavior, 1994, 26, 51-55.	0.9	19
64	Fitts' law in two-dimensional task space. Experimental Brain Research, 1994, 100, 144-8.	1.5	18