

# Jean Blouin

## List of Publications by Year in descending order

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79  
papers

1,967  
citations

218677

26  
h-index

315739

38  
g-index

82  
all docs

82  
docs citations

82  
times ranked

1243  
citing authors

#	ARTICLE	IF	CITATIONS
1	Target and hand position information in the online control of goal-directed arm movements. <i>Experimental Brain Research</i> , 2003, 151, 524-535.	1.5	156
2	Internally driven control of reaching movements: A study on a proprioceptively deafferented subject. <i>Brain Research Bulletin</i> , 2006, 69, 404-415.	3.0	101
3	Altered sensory-weighting mechanisms is observed in adolescents with idiopathic scoliosis. <i>BMC Neuroscience</i> , 2006, 7, 68.	1.9	82
4	Online control of the direction of rapid reaching movements. <i>Experimental Brain Research</i> , 2004, 157, 468-71.	1.5	74
5	Direct Evidence for Cortical Suppression of Somatosensory Afferents during Visuomotor Adaptation. <i>Cerebral Cortex</i> , 2009, 19, 2106-2113.	2.9	66
6	Galvanic vestibular stimulation in humans produces online arm movement deviations when reaching towards memorized visual targets. <i>Neuroscience Letters</i> , 2002, 318, 34-38.	2.1	60
7	Evidence for cognitive vestibular integration impairment in idiopathic scoliosis patients. <i>BMC Neuroscience</i> , 2009, 10, 102.	1.9	54
8	Role of sensory information in updating internal models of the effector during arm tracking. <i>Progress in Brain Research</i> , 2003, 142, 203-222.	1.4	48
9	Effect of gravity-like torque on goal-directed arm movements in microgravity. <i>Journal of Neurophysiology</i> , 2012, 107, 2541-2548.	1.8	43
10	Updating visual space during passive and voluntary head-in-space movements. <i>Experimental Brain Research</i> , 1998, 122, 93-100.	1.5	41
11	Can prepared anticipatory postural adjustments be updated by proprioception?. <i>Neuroscience</i> , 2008, 155, 640-648.	2.3	40
12	On the nature of the vestibular control of arm-reaching movements during whole-body rotations. <i>Experimental Brain Research</i> , 2005, 164, 431-441.	1.5	38
13	Failure to Update the Egocentric Representation of the Visual Space Through Labyrinthine Signal. <i>Brain and Cognition</i> , 1995, 29, 1-22.	1.8	37
14	Directional control of rapid arm movements: The role of the kinetic visual feedback system.. <i>Canadian Journal of Experimental Psychology</i> , 1993, 47, 678-696.	0.8	35
15	Cortical facilitation of proprioceptive inputs related to gravitational balance constraints during step preparation. <i>Journal of Neurophysiology</i> , 2013, 110, 397-407.	1.8	34
16	When Standing on a Moving Support, Cutaneous Inputs Provide Sufficient Information to Plan the Anticipatory Postural Adjustments for Gait Initiation. <i>PLoS ONE</i> , 2013, 8, e55081.	2.5	34
17	On the neural basis of sensory weighting: Alpha, beta and gamma modulations during complex movements. <i>NeuroImage</i> , 2017, 150, 200-212.	4.2	31
18	Encoding the position of a flashed visual target after passive body rotations. <i>NeuroReport</i> , 1995, 6, 1165-1168.	1.2	30

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19	Evidence for Distinct, Differentially Adaptable Sensorimotor Transformations for Reaches to Visual and Proprioceptive Targets. <i>Journal of Neurophysiology</i> , 2007, 98, 1815-1819.	1.8	30
20	Online control of anticipated postural adjustments in step initiation: Evidence from behavioral and computational approaches. <i>Gait and Posture</i> , 2012, 35, 616-620.	1.4	30
21	The Vestibular-Evoked Postural Response of Adolescents with Idiopathic Scoliosis Is Altered. <i>PLoS ONE</i> , 2015, 10, e0143124.	2.5	30
22	On-Line versus Off-Line Control of Rapid Aiming Movements. <i>Journal of Motor Behavior</i> , 1993, 25, 275-279.	0.9	29
23	Encoding target-trunk relative position: cervical versus vestibular contribution. <i>Experimental Brain Research</i> , 1998, 122, 101-107.	1.5	29
24	On-line versus off-line vestibular-evoked control of goal-directed arm movements. <i>NeuroReport</i> , 2002, 13, 1563-1566.	1.2	29
25	Control of Rapid Arm Movements When Target Position is Altered during Saccadic Suppression. <i>Journal of Motor Behavior</i> , 1995, 27, 114-122.	0.9	28
26	Eye dominance influences triggering action: The Poffenberger paradigm revisited. <i>Cortex</i> , 2014, 58, 86-98.	2.4	28
27	Vestibular signal processing in a subject with somatosensory deafferentation: The case of sitting posture. <i>BMC Neurology</i> , 2007, 7, 25.	1.8	27
28	From head orientation to hand control: evidence of both neck and vestibular involvement in hand drawing. <i>Experimental Brain Research</i> , 2003, 150, 40-49.	1.5	26
29	Facilitation of cutaneous inputs during the planning phase of gait initiation. <i>Journal of Neurophysiology</i> , 2015, 114, 301-308.	1.8	26
30	The relative contribution of retinal and extraretinal signals in determining the accuracy of reaching movements in normal subjects and a deafferented patient. <i>Experimental Brain Research</i> , 1996, 109, 148-53.	1.5	25
31	Adaptation in Visuomanual Tracking Depends on Intact Proprioception. <i>Journal of Motor Behavior</i> , 1998, 30, 234-248.	0.9	25
32	Prediction of the body rotation-induced torques on the arm during reaching movements: Evidence from a proprioceptively deafferented subject. <i>Neuropsychologia</i> , 2011, 49, 2055-2059.	1.6	25
33	Interhemispheric Transfer Time Asymmetry of Visual Information Depends on Eye Dominance: An Electrophysiological Study. <i>Frontiers in Neuroscience</i> , 2018, 12, 72.	2.8	25
34	Visual signals contribute to the coding of gaze direction. <i>Experimental Brain Research</i> , 2002, 144, 281-292.	1.5	24
35	Visual stability with goal-directed eye and arm movements toward a target displaced during saccadic suppression. <i>Psychological Research</i> , 1995, 58, 169-176.	1.7	23
36	Visual feedback of the moving arm allows complete adaptation of pointing movements to centrifugal and Coriolis forces in human subjects. <i>Neuroscience Letters</i> , 2001, 301, 25-28.	2.1	22

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37	Coordination between postural and movement controls: effect of changes in body mass distribution on postural and focal component characteristics. <i>Experimental Brain Research</i> , 2007, 181, 159-171.	1.5	21
38	Spatio-temporal dynamics of reach-related neural activity for visual and somatosensory targets. <i>NeuroImage</i> , 2009, 47, 1767-1777.	4.2	21
39	Influence of Feedback Modality on Sensorimotor Adaptation: Contribution of Visual, Kinesthetic, and Verbal Cues. <i>Journal of Motor Behavior</i> , 2007, 39, 247-258.	0.9	20
40	Modulation of proprioceptive inflow when initiating a step influences postural adjustments. <i>Experimental Brain Research</i> , 2010, 201, 297-305.	1.5	20
41	Opposed optimal strategies of weighting somatosensory inputs for planning reaching movements toward visual and proprioceptive targets. <i>Journal of Neurophysiology</i> , 2014, 112, 2290-2301.	1.8	20
42	The Attentional Cost of Amplitude and Directional Requirements When Pointing to Targets. <i>Quarterly Journal of Experimental Psychology Section A: Human Experimental Psychology</i> , 1994, 47, 481-495.	2.3	19
43	The Role of Ocular Muscle Proprioception During Modifications in Smooth Pursuit Output. <i>Vision Research</i> , 1997, 37, 769-774.	1.4	19
44	Internal representation of gaze direction with and without retinal inputs in man. <i>Neuroscience Letters</i> , 1995, 183, 187-189.	2.1	18
45	Simultaneity of two effectors in synchronization with a periodic external signal. <i>Human Movement Science</i> , 1996, 15, 25-38.	1.4	18
46	Visual guidance of arm reaching: Online adjustments of movement direction are impaired by amplitude control. <i>Journal of Vision</i> , 2010, 10, 24-24.	0.3	18
47	Prediction in the Vestibular Control of Arm Movements. <i>Multisensory Research</i> , 2015, 28, 487-505.	1.1	18
48	Neural correlates for task-relevant facilitation of visual inputs during visually-guided hand movements. <i>NeuroImage</i> , 2015, 121, 39-50.	4.2	16
49	Asymmetry in visual information processing depends on the strength of eye dominance. <i>Neuropsychologia</i> , 2017, 96, 129-136.	1.6	16
50	Role of arm proprioception in calibrating the arm-eye temporal coordination. <i>Neuroscience Letters</i> , 1997, 237, 109-112.	2.1	15
51	The gap effect for eye and hand movements in double-step pointing. <i>Experimental Brain Research</i> , 2001, 138, 352-358.	1.5	15
52	Egocentric visual target position and velocity coding: Role of ocular muscle proprioception. <i>Annals of Biomedical Engineering</i> , 1995, 23, 423-435.	2.5	13
53	Perception of the vertical with a head-mounted visual frame during head tilt. <i>Ergonomics</i> , 2004, 47, 1116-1130.	2.1	13
54	Insights into the control of arm movement during body motion as revealed by EMG analyses. <i>Brain Research</i> , 2010, 1309, 40-52.	2.2	13

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55	Do Gravity-Related Sensory Information Enable the Enhancement of Cortical Proprioceptive Inputs When Planning a Step in Microgravity?. PLoS ONE, 2014, 9, e108636.	2.5	13
56	Fusion of Visuo-ocular and Vestibular Signals in Arm Motor Control. Journal of Neurophysiology, 2006, 95, 1134-1146.	1.8	12
57	Age-related decline in sensory processing for locomotion and interception. Neuroscience, 2011, 172, 366-378.	2.3	12
58	Independent Early and Late Sensory Processes for Proprioceptive Integration When Planning a Step. Cerebral Cortex, 2019, 29, 2353-2365.	2.9	11
59	Rapid online corrections for upper limb reaches to perturbed somatosensory targets: evidence for non-visual sensorimotor transformation processes. Experimental Brain Research, 2019, 237, 839-853.	1.5	11
60	Accuracy of spatial localization depending on head posture in a perturbed gravito-inertial force field. Experimental Brain Research, 2005, 161, 432-440.	1.5	10
61	Biases in the perception of self-motion during whole-body acceleration and deceleration. Frontiers in Integrative Neuroscience, 2013, 7, 90.	2.1	10
62	Perceived versus actual head-on-trunk orientation during arm movement control. Experimental Brain Research, 2006, 172, 221-229.	1.5	9
63	Is abnormal vestibulomotor responses related to idiopathic scoliosis onset or severity?. Medical Hypotheses, 2013, 80, 234-236.	1.5	9
64	Large Postural Sways Prevent Foot Tactile Information From Fading: Neurophysiological Evidence. Cerebral Cortex Communications, 2021, 2, tgaa094.	1.6	9
65	Visual Object Localization through Vestibular and Neck Inputs. 2: Updating Off-Mid-Sagittal-Plane Target Positions. Journal of Vestibular Research: Equilibrium and Orientation, 1997, 7, 137-143.	2.0	8
66	Influence of head orientation on visually and memory-guided arm movements. Acta Psychologica, 2011, 136, 390-398.	1.5	8
67	Balance control interferes with the tracing performance of a pattern with mirror-reversed vision in older persons. Age, 2014, 36, 823-837.	3.0	8
68	Controlling Reaching Movements during Self-Motion: Body-Fixed versus Earth-Fixed Targets. Motor Control, 2006, 10, 330-347.	0.6	7
69	Adaptive control: A review of the ability to acquire and maintain high sensorimotor performance. Computers in Biology and Medicine, 2007, 37, 989-1000.	7.0	6
70	Effects of underestimating the kinematics of trunk rotation on simultaneous reaching movements: predictions of a biomechanical model. Journal of NeuroEngineering and Rehabilitation, 2013, 10, 54.	4.6	6
71	Auditory cues for somatosensory targets invoke visuomotor transformations: Behavioral and electrophysiological evidence. PLoS ONE, 2019, 14, e0215518.	2.5	5
72	Somatosensory cortical facilitation during step preparation restored by an improved body representation in obese patients. Gait and Posture, 2020, 80, 246-252.	1.4	5

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73	Two Neural Circuits to Point Towards Home Position After Passive Body Displacements. <i>Frontiers in Neural Circuits</i> , 2019, 13, 70.	2.8	3
74	Opposing Resistance to the Head Movement Does not Affect Space Perception During Head Rotations. , 1999, , 193-201.		3
75	Extending reference signal theory to rapid movements. <i>Behavioral and Brain Sciences</i> , 1994, 17, 315-316.	0.7	1
76	Shifts in the retinal image of a visual scene during saccades contribute to the perception of reached gaze direction in humans. <i>Neuroscience Letters</i> , 2004, 357, 29-32.	2.1	1
77	The Parameters of the Intended Movement Determine the Capacity to Correct the Forthcoming Movement. <i>Motor Control</i> , 2016, 20, 149-153.	0.6	1
78	On the Dynamics of Spatial Updating. <i>Frontiers in Neuroscience</i> , 2022, 16, 780027.	2.8	1
79	Keeping in touch with our hidden side. <i>Neuroscience Letters</i> , 2022, 782, 136693.	2.1	0