

# Jean-Louis Thonnard

## List of Publications by Year in descending order

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Version: 2024-02-01

101  
papers

4,306  
citations

109264

35  
h-index

123376

61  
g-index

105  
all docs

105  
docs citations

105  
times ranked

3769  
citing authors

#	ARTICLE	IF	CITATIONS
1	Linking of concepts measured by SATIS-Stroke and the PM-Scale to the international classification of functioning, disability and health. <i>Physiotherapy Theory and Practice</i> , 2022, 38, 3055-3071.	0.6	1
2	Grip Force is Adjusted at a Level That Maintains an Upper Bound on Partial Slip Across Friction Conditions During Object Manipulation. <i>IEEE Transactions on Haptics</i> , 2022, 15, 2-7.	1.8	6
3	Normal and tangential forces combine to convey contact pressure during dynamic tactile stimulation. <i>Scientific Reports</i> , 2022, 12, 8215.	1.6	0
4	High-resolution imaging of skin deformation shows that afferents from human fingertips signal slip onset. <i>ELife</i> , 2021, 10, .	2.8	40
5	Clinimetric properties of the SATIS-Stroke questionnaire in the Brazilian population: A satisfaction assessment measure addressing activities and participation after a stroke. <i>Brazilian Journal of Physical Therapy</i> , 2021, 25, 719-726.	1.1	6
6	Measuring fingerpad deformation during active object manipulation. <i>Journal of Neurophysiology</i> , 2021, 126, 1455-1464.	0.9	11
7	Applicability of International Classification of Functioning, Disability and Health-based participation measures in stroke survivors in Africa: a systematic review. <i>International Journal of Rehabilitation Research</i> , 2020, 43, 3-11.	0.7	7
8	Changes in Normal Force During Passive Dynamic Touch: Contact Mechanics and Perception. , 2020, , .		3
9	Manual ability in hand surgery patients: Validation of the ABILHAND scale in four diagnostic groups. <i>PLoS ONE</i> , 2020, 15, e0242625.	1.1	4
10	A Very Fast Time Scale of Human Motor Adaptation: Within Movement Adjustments of Internal Representations during Reaching. <i>ENeuro</i> , 2020, 7, ENEURO.0149-19.2019.	0.9	34
11	Fingerpad contact evolution under electrovibration. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190166.	1.5	19
12	Determinants of Social Participation at 1, 3, and 6 Months Poststroke in Benin. <i>Archives of Physical Medicine and Rehabilitation</i> , 2019, 100, 2071-2078.	0.5	14
13	Translation and Cross-Cultural Adaptation of SATIS-Stroke for Use in Brazil: A Satisfaction Measure of Activities and Participation in Stroke Survivors. <i>BioMed Research International</i> , 2019, 2019, 1-11.	0.9	9
14	Measuring Participation After Stroke in Africa: Development of the Participation Measurement Scale. <i>Archives of Physical Medicine and Rehabilitation</i> , 2018, 99, 652-659.	0.5	16
15	Optimal use of limb mechanics distributes control during bimanual tasks. <i>Journal of Neurophysiology</i> , 2018, 119, 921-932.	0.9	15
16	Tracking Changes in Participation With Participation Measurement Scale in Community-Dwelling Stroke Survivors in Africa. <i>Archives of Physical Medicine and Rehabilitation</i> , 2018, 99, 2238-2243.	0.5	11
17	Grip Force Adjustments Reflect Prediction of Dynamic Consequences in Varying Gravitoinertial Fields. <i>Frontiers in Physiology</i> , 2018, 9, 131.	1.3	13
18	Perception of partial slips under tangential loading of the fingertip. <i>Scientific Reports</i> , 2018, 8, 7032.	1.6	37

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19	Dexterous Manipulation During Rhythmic Arm Movements in Mars, Moon, and Micro-Gravity. <i>Frontiers in Physiology</i> , 2018, 9, 938.	1.3	15
20	Responsiveness of the <sc>ACTIVLIM</sc> questionnaire: measuring global activity performance in children with cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2018, 60, 1178-1185.	1.1	10
21	Precision grip control while walking down a step in children with unilateral cerebral palsy. <i>PLoS ONE</i> , 2018, 13, e0191684.	1.1	3
22	ACTIVLIM-CP a new Rasch-built measure of global activity performance for children with cerebral palsy. <i>Research in Developmental Disabilities</i> , 2017, 60, 285-294.	1.2	23
23	Measuring changes of manual ability with <sc>ABILHAND</sc> Kids following intensive training for children with unilateral cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2017, 59, 505-511.	1.1	24
24	The tactile perception of transient changes in friction. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20170641.	1.5	50
25	Mind Your Grip: Even Usual Dexterous Manipulation Requires High Level Cognition. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 220.	1.0	6
26	Functional recovery after stroke in Benin: A six-month follow-up study. <i>Journal of Rehabilitation Medicine</i> , 2016, 48, 671-675.	0.8	17
27	Towards human exploration of space: the THESEUS review series on neurophysiology research priorities. <i>Npj Microgravity</i> , 2016, 2, 16023.	1.9	33
28	EEG frequency tagging to explore the cortical activity related to the tactile exploration of natural textures. <i>Scientific Reports</i> , 2016, 6, 20738.	1.6	31
29	Touch uses frictional cues to discriminate flat materials. <i>Scientific Reports</i> , 2016, 6, 25553.	1.6	57
30	Surface strain measurements of fingertip skin under shearing. <i>Journal of the Royal Society Interface</i> , 2016, 13, 20150874.	1.5	68
31	Simple and Reliable Method to Estimate the Fingertip Static Coefficient of Friction in Precision Grip. <i>IEEE Transactions on Haptics</i> , 2016, 9, 492-498.	1.8	20
32	A novel method using EEG to characterize the cortical processes involved in active and passive touch. , 2016, , .		11
33	How robust is ACTIVLIM for the follow-up of activity limitations in patients with neuromuscular diseases?. <i>Neuromuscular Disorders</i> , 2016, 26, 211-220.	0.3	16
34	Precision Grip Control while Walking Down a Stair Step. <i>PLoS ONE</i> , 2016, 11, e0165549.	1.1	3
35	Long-Latency Feedback Coordinates Upper-Limb and Hand Muscles during Object Manipulation Tasks. <i>ENeuro</i> , 2016, 3, ENEURO.0129-15.2016.	0.9	17
36	Biological inflammatory markers mediate the effect of preoperative pain-related behaviours on postoperative analgesics requirements. <i>BMC Anesthesiology</i> , 2015, 15, 183.	0.7	16

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37	Using EEG (SS-EPs) to characterize the brain activity in response to textured stimuli in passive touch. , 2015, , .		8
38	Measuring functional recovery in stroke patients: the responsiveness of ACTIVLIM-Stroke. Journal of Neurology, Neurosurgery and Psychiatry, 2014, 85, 1337-1342.	0.9	8
39	Dynamics of fingertip contact during the onset of tangential slip. Journal of the Royal Society Interface, 2014, 11, 20140698.	1.5	118
40	Impaired predictive and reactive control of precision grip in chronic stroke patients. International Journal of Rehabilitation Research, 2014, 37, 130-137.	0.7	8
41	Influence of vision and posture on grip-lift task parameters in healthy adults. International Journal of Rehabilitation Research, 2014, 37, 354-360.	0.7	1
42	Single Session of Dual-tDCS Transiently Improves Precision Grip and Dexterity of the Paretic Hand After Stroke. Neurorehabilitation and Neural Repair, 2014, 28, 100-110.	1.4	67
43	Assessing Locomotion Ability in West African Stroke Patients: Validation of ABILOCO-Benin Scale. Archives of Physical Medicine and Rehabilitation, 2014, 95, 1470-1476.e3.	0.5	13
44	Hand Functioning in Children with Cerebral Palsy. Frontiers in Neurology, 2014, 5, 48.	1.1	57
45	Physical Factors Influencing Pleasant Touch during Passive Fingertip Stimulation. PLoS ONE, 2014, 9, e101361.	1.1	31
46	The effect of repetitive rhythmic precision grip task-oriented rehabilitation in chronic stroke patients. International Journal of Rehabilitation Research, 2013, 36, 81-87.	0.7	14
47	Finger pad friction and its role in grip and touch. Journal of the Royal Society Interface, 2013, 10, 20120467.	1.5	213
48	Brisk walking can promote functional recovery in chronic stroke patients. Journal of Rehabilitation Medicine, 2013, 45, 854-859.	0.8	26
49	Physical Factors Influencing Pleasant Touch during Tactile Exploration. PLoS ONE, 2013, 8, e79085.	1.1	67
50	Cognitive-Motor Interference While Grasping, Lifting and Holding Objects. PLoS ONE, 2013, 8, e80125.	1.1	20
51	ACTIVLIM-Stroke: A Crosscultural Rasch-Built Scale of Activity Limitations in Patients With Stroke. Stroke, 2012, 43, 815-823.	1.0	41
52	PWC75%/kg, a Fitness Index Not Linked to Resting Heart Rate: Testing Procedure and Reference Values. Archives of Physical Medicine and Rehabilitation, 2012, 93, 1196-1200.	0.5	14
53	Tactile roughness discrimination of the finger pad relies primarily on vibration sensitive afferents not necessarily located in the hand. Behavioural Brain Research, 2012, 229, 273-279.	1.2	72
54	Texture-induced vibrations in the forearm during tactile exploration. Frontiers in Behavioral Neuroscience, 2012, 6, 37.	1.0	110

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55	Rasch-Built Measure of Pleasant Touch through Active Fingertip Exploration. <i>Frontiers in Neurobotics</i> , 2012, 6, 5.	1.6	29
56	Satisfaction With Activity and Participation and Its Relationships With Body Functions, Activities, or Environmental Factors in Stroke Patients. <i>Archives of Physical Medicine and Rehabilitation</i> , 2011, 92, 1404-1410.	0.5	43
57	Tactile spatial resolution in unilateral brain lesions and its correlation with digital dexterity. <i>Journal of Rehabilitation Medicine</i> , 2011, 43, 251-256.	0.8	19
58	Responsiveness of the ABILHAND questionnaire in measuring changes in rheumatoid arthritis patients. <i>Arthritis Care and Research</i> , 2011, 63, 135-141.	1.5	10
59	Changes in satisfaction with activities and participation between acute, post-acute and chronic stroke phases: A responsiveness study of the SATIS-Stroke questionnaire. <i>Journal of Rehabilitation Medicine</i> , 2010, 42, 944-948.	0.8	10
60	Predictive and Reactive Control of Precision Grip in Children With Congenital Hemiplegia. <i>Neurorehabilitation and Neural Repair</i> , 2010, 24, 318-327.	1.4	19
61	Sensorimotor Mapping for Anticipatory Grip Force Modulation. <i>Journal of Neurophysiology</i> , 2010, 104, 1401-1408.	0.9	17
62	Relationship between tactile spatial resolution and digital dexterity during childhood. <i>Somatosensory &amp; Motor Research</i> , 2010, 27, 9-14.	0.4	13
63	Grip Control in Children before, during, and after Impulsive Loading. <i>Journal of Motor Behavior</i> , 2010, 42, 169-177.	0.5	6
64	Tactile roughness discrimination threshold is unrelated to tactile spatial acuity. <i>Behavioural Brain Research</i> , 2010, 208, 473-478.	1.2	45
65	Optimal Integration of Gravity in Trajectory Planning of Vertical Pointing Movements. <i>Journal of Neurophysiology</i> , 2009, 102, 786-796.	0.9	72
66	A continuous measure of fingertip friction during precision grip. <i>Journal of Neuroscience Methods</i> , 2009, 179, 224-229.	1.3	63
67	How many response levels do children distinguish on faces scales for pain assessment?. <i>European Journal of Pain</i> , 2009, 13, 641-648.	1.4	39
68	Activity limitations in patients with neuromuscular disorders: A responsiveness study of the ACTIVLIM questionnaire. <i>Neuromuscular Disorders</i> , 2009, 19, 99-103.	0.3	43
69	Predictive Mechanisms Control Grip Force after Impact in Self-Triggered Perturbations. <i>Journal of Motor Behavior</i> , 2009, 41, 411-417.	0.5	19
70	Control of bimanual rhythmic movements: trading efficiency for robustness depending on the context. <i>Experimental Brain Research</i> , 2008, 187, 193-205.	0.7	11
71	ABILOCO: A Rasch-Built 13-Item Questionnaire to Assess Locomotion Ability in Stroke Patients. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008, 89, 284-290.	0.5	59
72	A Comparison Between Self-Reported and Observed Activity Limitations in Adults With Neuromuscular Disorders. <i>Archives of Physical Medicine and Rehabilitation</i> , 2008, 89, 1720-1723.	0.5	8

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73	Satis-stroke: A satisfaction measure of activities and participation in the actual environment experienced by patients with chronic stroke. <i>Journal of Rehabilitation Medicine</i> , 2008, 40, 836-843.	0.8	24
74	ABILOCO-kids: A rasch-built 10-item questionnaire for assessing locomotion ability in children with cerebral palsy. <i>Journal of Rehabilitation Medicine</i> , 2008, 40, 823-830.	0.8	40
75	Altered Gravity Highlights Central Pattern Generator Mechanisms. <i>Journal of Neurophysiology</i> , 2008, 100, 2819-2824.	0.9	40
76	Temporal Dissociation between Hand Shaping and Grip Force Scaling in the Anterior Intraparietal Area. <i>Journal of Neuroscience</i> , 2007, 27, 3974-3980.	1.7	124
77	Tactile spatial resolution measured manually: A validation study. <i>Somatosensory &amp; Motor Research</i> , 2007, 24, 111-114.	0.4	37
78	Validation of the ABILHAND questionnaire as a measure of manual ability in patients with rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2007, 66, 1098-1105.	0.5	43
79	ACTIVLIM: A Rasch-built measure of activity limitations in children and adults with neuromuscular disorders. <i>Neuromuscular Disorders</i> , 2007, 17, 459-469.	0.3	94
80	Corticospinal Dysgenesis and Upper-Limb Deficits in Congenital Hemiplegia: A Diffusion Tensor Imaging Study. <i>Pediatrics</i> , 2007, 120, e1502-e1511.	1.0	58
81	Measure of experimental pain using Rasch analysis. <i>European Journal of Pain</i> , 2007, 11, 469-474.	1.4	16
82	Hand impairments and their relationship with manual ability in children with cerebral palsy. <i>Acta Dermato-Venereologica</i> , 2007, 39, 708-714.	0.6	54
83	Functional assessment in physiotherapy. A literature review. <i>Europa Medicophysica</i> , 2007, 43, 525-41.	0.5	9
84	Age-related changes in tactile spatial resolution from 6 to 16 years old. <i>Somatosensory &amp; Motor Research</i> , 2006, 23, 83-87.	0.4	30
85	Dissociating the Role of Ventral and Dorsal Premotor Cortex in Precision Grasping. <i>Journal of Neuroscience</i> , 2006, 26, 2260-2268.	1.7	288
86	Paradoxical effect of digital anaesthesia on force and corticospinal excitability. <i>NeuroReport</i> , 2005, 16, 259-262.	0.6	15
87	Do novel gravitational environments alter the grip-force/load-force coupling at the fingertips?. <i>Experimental Brain Research</i> , 2005, 163, 324-334.	0.7	54
88	Influence of structural pelvic disorders during standing and walking in adolescents with idiopathic scoliosis. <i>Spine Journal</i> , 2005, 5, 427-433.	0.6	60
89	The cutaneous contribution to adaptive precision grip. <i>Trends in Neurosciences</i> , 2004, 27, 637-643.	4.2	166
90	Prospective functional analysis of trapeziectomy combined with intermetacarpal tendon stabilisation in trapeziometacarpal arthritis. <i>Acta Orthopaedica Belgica</i> , 2004, 70, 410-6.	0.1	6

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91	The effects of a change in gravity on the dynamics of prehension. <i>Experimental Brain Research</i> , 2003, 148, 533-540.	0.7	71
92	Outcome evaluation of the hand and wrist according to the International Classification of Functioning, Disability, and Health. <i>Hand Clinics</i> , 2003, 19, 371-378.	0.4	25
93	Functional reorganization of brain in children affected with congenital hemiplegia: fMRI study. <i>NeuroImage</i> , 2003, 20, 289-301.	2.1	55
94	Importance of Cutaneous Feedback in Maintaining a Secure Grip During Manipulation of Hand-Held Objects. <i>Journal of Neurophysiology</i> , 2003, 89, 665-671.	0.9	291
95	Correlation between impaired dexterity and corticospinal tract dysgenesis in congenital hemiplegia. <i>Brain</i> , 2003, 126, 732-747.	3.7	116
96	Functional relevance of abnormal fMRI activation pattern after unilateral schizencephaly. <i>NeuroReport</i> , 2002, 13, 1821-1824.	0.6	39
97	The ABILHAND Questionnaire as a Measure of Manual Ability in Chronic Stroke Patients. <i>Stroke</i> , 2001, 32, 1627-1634.	1.0	241
98	Chronic demyelinating hypertrophic brachial plexus neuropathy. <i>Muscle and Nerve</i> , 2000, 23, 283-288.	1.0	29
99	Note Impact of the surface slipperiness of grasped objects on their subsequent acceleration. <i>Neuropsychologia</i> , 1999, 37, 751-756.	0.7	19
100	ABILHAND: A Rasch-built measure of manual ability. <i>Archives of Physical Medicine and Rehabilitation</i> , 1998, 79, 1038-1042.	0.5	178
101	GRIP: Dexterous Manipulation of Objects in Weightlessness. , 0, , .		0