Leeanne M Carey

List of Publications by Year
in descending order

136 papers	6,013 citations	87723 38 h-index	82410 72 g-index
142 all docs	142 docs citations	142 times ranked	6486 citing authors

#	Article	IF	Citations
1	Thrombolysis Guided by Perfusion Imaging up to 9 Hours after Onset of Stroke. New England Journal of Medicine, 2019, 380, 1795-1803.	13.9	653
2	Taskâ€specific training: evidence for and translation to clinical practice. Occupational Therapy International, 2009, 16, 175-189.	0.3	326
3	Extending thrombolysis to 4Â·5â€“9 h and wake-up stroke using perfusion imaging: a systematic review and meta-analysis of individual patient data. Lancet, The, 2019, 394, 139-147.	6.3	321
4	Biomarkers of stroke recovery: Consensus-based core recommendations from the Stroke Recovery and Rehabilitation Roundtable. International Journal of Stroke, 2017, 12, 480-493.	2.9	266
5	Sensory loss in stroke patients: Effective training of tactile and proprioceptive discrimination. Archives of Physical Medicine and Rehabilitation, 1993, 74, 602-611.	0.5	225
6	Somatosensory Loss after Stroke. Critical Reviews in Physical and Rehabilitation Medicine, 1995, 7, 51-91.	0.1	223
7	Impaired limb position sense after stroke: A quantitative test for clinical use. Archives of Physical Medicine and Rehabilitation, 1996, 77, 1271-1278.	0.5	184
8	Constraint-induced movement therapy in the treatment of the upper limb in children with hemiplegic cerebral palsy: a Cochrane systematic review. Clinical Rehabilitation, 2007, 21, 675-685.	1.0	172
9	SENSe: Study of the Effectiveness of Neurorehabilitation on Sensation. Neurorehabilitation and Neural Repair, 2011, 25, 304-313.	1.4	148
10	Lesion segmentation from multimodal MRI using random forest following ischemic stroke. NeuroImage, 2014, 98, 324-335.	2.1	139
11	Frequency of discriminative sensory loss in the hand after stroke in a rehabilitation setting. Journal of Rehabilitation Medicine, 2011, 43, 257-263.	0.8	138
12	Biomarkers of Stroke Recovery: Consensus-Based Core Recommendations from the Stroke Recovery and Rehabilitation Roundtable. Neurorehabilitation and Neural Repair, 2017, 31, 864-876.	1.4	124
13	Botulinum toxin A as an adjunct to treatment in the management of the upper limb in children with spastic cerebral palsy (UPDATE). The Cochrane Library, 2010, , CD003469.	1.5	105
14	Measuring Participation After Stroke: A Review of Frequently Used Tools. Archives of Physical Medicine and Rehabilitation, 2013, 94, 177-192.	0.5	101
15	A Meta-Analysis of Changes in Brain Activity in Clinical Depression. Frontiers in Human Neuroscience, 2014, 8, 1045.	1.0	97
16	Impaired Discrimination of Surface Friction Contributes to Pinch Grip Deficit After Stroke. Neurorehabilitation and Neural Repair, 2007, 21, 263-272.	1.4	96
17	Training of Somatosensory Discrimination After Stroke. American Journal of Physical Medicine and Rehabilitation, 2005, 84, 428-442.	0.7	91
18	The Right Supramarginal Gyrus Is Important for Proprioception in Healthy and Stroke-Affected Participants: A Functional MRI Study. Frontiers in Neurology, 2015, 6, 248.	1.1	90

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19	Motor Impairment and Recovery in the Upper Limb After Stroke. Stroke, 2005, 36, 625-629.	1.0	89
20	Evolution of Brain Activation with Good and Poor Motor Recovery after Stroke. Neurorehabilitation and Neural Repair, 2006, 20, 24-41.	1.4	89
21	Constraint-induced movement therapy in the treatment of the upper limb in children with hemiplegic cerebral palsy. The Cochrane Library, 2007, , CD004149.	1.5	86
22	Grip Force Regulation During Pinch Grip Lifts Under Somatosensory Guidance: Comparison Between People With Stroke and Healthy Controls. Archives of Physical Medicine and Rehabilitation, 2006, 87, 418-429.	0.5	80
23	Inflammation and Depression: Why Poststroke Depression may be the Norm and Not the Exception. International Journal of Stroke, 2011, 6, 128-135.	2.9	79
24	Somatosensory assessment and treatment after stroke: An evidenceâ€practice gap. Australian Occupational Therapy Journal, 2015, 62, 93-104.	0.6	77
25	Intensive therapy following upper limb botulinum toxin A injection in young children with unilateral cerebral palsy: a randomized trial. Developmental Medicine and Child Neurology, 2013, 55, 238-247.	1.1	72
26	Functional Neuroimaging in Stroke Recovery and Neurorehabilitation: Conceptual Issues and Perspectives. International Journal of Stroke, 2007, 2, 245-264.	2.9	69
27	Multisensory stimulation improves functional recovery and resting-state functional connectivity in the mouse brain after stroke. NeuroImage: Clinical, 2018, 17, 717-730.	1.4	68
28	Constraint-induced movement therapy in children with unilateral cerebral palsy. The Cochrane Library, 2019, 4, CD004149.	1.5	63
29	Effects of Somatosensory Impairment on Participation After Stroke. American Journal of Occupational Therapy, 2018, 72, 7203205100p1-7203205100p10.	0.1	62
30	Evaluation of impaired fingertip texture discrimination and wrist position sense in patients affected by stroke: Comparison of clinical and new quantitative measures. Journal of Hand Therapy, 2002, 15, 71-82.	0.7	52
31	Relationship Between Touch Impairment and Brain Activation After Lesions of Subcortical and Cortical Somatosensory Regions. Neurorehabilitation and Neural Repair, 2011, 25, 443-457.	1.4	48
32	From What We Know to What We Do: Translating Stroke Rehabilitation Research into Practice. International Journal of Stroke, 2013, 8, 11-17.	2.9	48
33	Meta-analyses Indicate Associations between Neuroendocrine Activation, Deactivation in Neurotrophic and Neuroimaging Markers in Depression after Stroke. Journal of Stroke and Cerebrovascular Diseases, 2013, 22, e124-e135.	0.7	47
34	A Randomized Controlled Trial of the Effect of Early Upper-Limb Training on Stroke Recovery and Brain Activation. Neurorehabilitation and Neural Repair, 2015, 29, 703-713.	1.4	47
35	Modified constraint-induced movement therapy or bimanual occupational therapy following injection of Botulinum toxin-A to improve bimanual performance in young children with hemiplegic cerebral palsy: a randomised controlled trial methods paper. BMC Neurology, 2010, 10, 58.	0.8	46
36	Improvement in Touch Sensation after Stroke is Associated with Resting Functional Connectivity Changes. Frontiers in Neurology, 2015, 6, 165.	1.1	45

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37	Somatosensation assessment using the NIH Toolbox. Neurology, 2013, 80, S41-4.	1.5	44
38	TOOTH (The Open study Of dental pulp stem cell Therapy in Humans): Study protocol for evaluating safety and feasibility of autologous human adult dental pulp stem cell therapy in patients with chronic disability after stroke. International Journal of Stroke, 2016, 11, 575-585.	2.9	44
39	Scoping Review: The Trajectory of Recovery of Participation Outcomes following Stroke. Behavioural Neurology, 2018, 2018, 1-22.	1.1	42
40	Course of Social Participation in the First 2 Years After Stroke and Its Associations With Demographic and Stroke-Related Factors. Neurorehabilitation and Neural Repair, 2018, 32, 821-833.	1.4	38
41	The Functional Neuroanatomy and Long-Term Reproducibility of Brain Activation Associated with a Simple Finger Tapping Task in Older Healthy Volunteers: A Serial PET Study. NeuroImage, 2000, 11, 124-144.	2.1	37
42	Change in Functional Arm Use Is Associated With Somatosensory Skills After Sensory Retraining Poststroke. American Journal of Occupational Therapy, 2017, 71, 7103190070p1-7103190070p9.	0.1	35
43	A Pathway Proteomic Profile of Ischemic Stroke Survivors Reveals Innate Immune Dysfunction in Association with Mild Symptoms of Depression â€“ A Pilot Study. Frontiers in Neurology, 2016, 7, 85.	1.1	34
44	Increased work and social engagement is associated with increased stroke specific quality of life in stroke survivors at 3Âmonths and 12 months post-stroke: a longitudinal study of an Australian stroke cohort. Topics in Stroke Rehabilitation, 2017, 24, 405-414.	1.0	34
45	Homocysteine as a potential biochemical marker for depression in elderly stroke survivors. Food and Nutrition Research, 2012, 56, 14973.	1.2	33
46	Altered functional connectivity differs in stroke survivors with impaired touch sensation following left and right hemisphere lesions. NeuroImage: Clinical, 2018, 18, 342-355.	1.4	32
47	Activation of Bilateral Secondary Somatosensory Cortex With Right Hand Touch Stimulation: A Meta-Analysis of Functional Neuroimaging Studies. Frontiers in Neurology, 2018, 9, 1129.	1.1	32
48	Longitudinal evaluation of cognition after stroke â€“ A systematic scoping review. PLoS ONE, 2019, 14, e0221735.	1.1	31
49	Loss of somatic sensation. , 2006, , 231-247.		29
50	Beyond the lesion: neuroimaging foundations for post-stroke recovery. Future Neurology, 2013, 8, 507-527.	0.9	29
51	Neuroscience Findings on Coordination of Reaching to Grasp an Object. Neurorehabilitation and Neural Repair, 2013, 27, 622-635.	1.4	29
52	Establishing Validity of a Modified Melbourne Assessment for Children Ages 2 to 4 Years. American Journal of Occupational Therapy, 2008, 62, 373-383.	0.1	29
53	Longitudinal changes in activity participation in the first year post-stroke and association with depressive symptoms. Disability and Rehabilitation, 2019, 41, 2548-2555.	0.9	28
54	Finding the Intersection of Neuroplasticity, Stroke Recovery, and Learning: Scope and Contributions to Stroke Rehabilitation. Neural Plasticity, 2019, 2019, 1-15.	1.0	28

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55	The effectiveness of somatosensory retraining for improving sensory function in the arm following stroke: a systematic review. Clinical Rehabilitation, 2019, 33, 834-846.	1.0	27
56	The State-of-the-Science on Somatosensory Function and Its Impact on Daily Life in Adults and Older Adults, and Following Stroke. OTJR Occupation, Participation and Health, 2016, 36, 27S-41S.	0.4	26
57	Somatosensory Discrimination Intervention Improves Body Position Sense and Motor Performance in Children With Hemiplegic Cerebral Palsy. American Journal of Occupational Therapy, 2017, 71, 7103190060p1-7103190060p9.	0.1	26
58	Clinical Measures of Handgrip Limitation Relate to Impaired Pinch Grip Force Control after Stroke. Journal of Hand Therapy, 2008, 21, 245-253.	0.7	25
59	Reproducible activation in BA2, 1 and 3b associated with texture discrimination in healthy volunteers over time. NeuroImage, 2008, 39, 40-51.	2.1	25
60	Measuring Change in Somatosensation Across the Lifespan. American Journal of Occupational Therapy, 2015, 69, 6903290020p1-6903290020p9.	0.1	25
61	STroke imAging pRevention and Treatment (START): A Longitudinal Stroke Cohort Study: Clinical Trials Protocol. International Journal of Stroke, 2015, 10, 636-644.	2.9	24
62	Same Interventionâ€“Different Reorganization. Neurorehabilitation and Neural Repair, 2016, 30, 988-1000.	1.4	24
63	Depression: Cognition Relations after Stroke. International Journal of Stroke, 2015, 10, 893-896.	2.9	23
64	Implementation interventions to promote the uptake of evidence-based practices in stroke rehabilitation. The Cochrane Library, 2020, 2020, CD012575.	1.5	22
65	Touch and Body Sensations. , 2012, , 157-172.		22
66	What you eat is what you are â€“ A role for polyunsaturated fatty acids in neuroinflammation induced depression?. Clinical Nutrition, 2011, 30, 407-415.	2.3	20
67	Reduction in retained activity participation is associated with depressive symptoms 3 months after mild stroke: An observational cohort study. Journal of Rehabilitation Medicine, 2017, 49, 120-127.	0.8	19
68	Mild Impairment of Cognition Impacts on Activity Participation after Stroke in a Community-Dwelling Australian Cohort. OTJR Occupation, Participation and Health, 2011, 31, S8-S15.	0.4	18
69	The Functional Tactile Object Recognition Test: A Unidimensional Measure With Excellent Internal Consistency for Haptic Sensing of Real Objects After Stroke. Frontiers in Neuroscience, 2020, 14, 542590.	1.4	17
70	A novel counterbalanced implementation study design: methodological description and application to implementation research. Implementation Science, 2019, 14, 45.	2.5	16
71	Illusory limb movements activate different brain networks than imposed limb movements: an ALE meta-analysis. Brain Imaging and Behavior, 2018, 12, 919-930.	1.1	15
72	Stroke Rehabilitation: A Learning Perspective. , 2012, , 11-23.		15

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73	Targeting Stroke Treatment to the Individual. International Journal of Stroke, 2012, 7, 480-481.	2.9	14
74	Implementation of evidence-based weekend service recommendations for allied health managers: a cluster randomised controlled trial protocol. Implementation Science, 2018, 13, 60.	2.5	13
75	Translating evidence into practice: a longitudinal qualitative exploration of allied health decision-making. Health Research Policy and Systems, 2021, 19, 38.	1.1	13
76	More (or less) on Broca. Lancet, The, 1999, 353, 1031-1032.	6.3	12
77	Sustained inflammation 1.5 years post-stroke is not associated with depression in elderly stroke survivors. Clinical Interventions in Aging, 2013, 8, 69.	1.3	12
78	Fish Oil Diet Associated with Acute Reperfusion Related Hemorrhage, and with Reduced Stroke-Related Sickness Behaviors and Motor Impairment. Frontiers in Neurology, 2014, 5, 14.	1.1	12
79	Implementation interventions to promote the uptake of evidence-based practices in stroke rehabilitation. The Cochrane Library, 0, , .	1.5	12
80	Combined somatosensory and motor training to improve upper limb function following stroke: a systematic scoping review. Physical Therapy Reviews, 2018, 23, 355-375.	0.3	12
81	Neuroplasticity and learning lead a new era in stroke rehabiliation. International Journal of Therapy and Rehabilitation, 2007, 14, 250-251.	0.1	11
82	What is the current practice of therapists in the measurement of somatosensation in children with cerebral palsy and other neurological disorders?. Australian Occupational Therapy Journal, 2018, 65, 89-97.	0.6	11
83	The testâ€retest reliability and responsiveness to change for the Hand Function Survey during stroke rehabilitation. Australian Occupational Therapy Journal, 2010, 57, 431-438.	0.6	10
84	Acute Routine Leukocyte and Neutrophil Counts Are Predictive of Poststroke Recovery at 3 and 12 Months Poststroke: An Exploratory Study. Neurorehabilitation and Neural Repair, 2020, 34, 844-855.	1.4	10
85	Review on Somatosensory Loss after Stroke. Critical Reviews in Physical and Rehabilitation Medicine, 2017, 29, 1-41.	0.1	9
86	Initial severity of somatosensory impairment influences response to upper limb sensory retraining post-stroke. NeuroRehabilitation, 2019, 43, 413-423.	0.5	9
87	Structural Connectivity Remote From Lesions Correlates With Somatosensory Outcome Poststroke. Stroke, 2021, 52, 2910-2920.	1.0	9
88	Changing practice in the assessment and treatment of somatosensory loss in stroke survivors: protocol for a knowledge translation study. BMC Health Services Research, 2018, 18, 34.	0.9	8
89	Experiences of Upper Limb Somatosensory Retraining in Persons With Stroke: An Interpretative Phenomenological Analysis. Frontiers in Neuroscience, 2019, 13, 756.	1.4	8
90	Effectiveness of knowledge brokering and recommendation dissemination for influencing healthcare resource allocation decisions: A cluster randomised controlled implementation trial. PLoS Medicine, 2021, 18, e1003833.	3.9	8

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91	Neural Plasticity as a Basis for Motor Learning and Neurorehabilitation. Brain Impairment, 2008, 9, 103-113.	0.5	7
92	Construct validity and responsiveness of the functional Tactile Object Recognition Test for children with cerebral palsy. Australian Occupational Therapy Journal, 2018, 65, 420-430.	0.6	7
93	Correlated Resting-State Functional MRI Activity of Frontostriatal, Thalamic, Temporal, and Cerebellar Brain Regions Differentiates Stroke Survivors with High Compared to Low Depressive Symptom Scores. Neural Plasticity, 2019, 2019, 1-12.	1.0	7
94	COMbined Physical and somatoSEnsory training after stroke: Development and description of a novel intervention to improve upper limb function. Physiotherapy Research International, 2019, 24, e1748.	0.7	7
95	Understanding activity participation 3-months after stroke: a mixed methodology study. Disability and Rehabilitation, 2022, 44, 2868-2878.	0.9	7
96	Evidence for the retraining of sensation after stroke remains limited. Australian Occupational Therapy Journal, 2010, 57, 200-202.	0.6	6
97	Fish oil supplementation associated with decreased cellular degeneration and increased cellular proliferation 6 weeks after middle cerebral artery occlusion in the rat. Neuropsychiatric Disease and Treatment, 2015, 11, 153.	1.0	6
98	Discovering the sense of touch: protocol for a randomised controlled trial examining the efficacy of a somatosensory discrimination intervention for children with hemiplegic cerebral palsy. BMC Pediatrics, 2018, 18, 252.	0.7	6
99	Chronic pain following stroke: Current treatment and perceived effect. Disability and Health Journal, 2021, 14, 100971.	1.6	6
100	Are they really motor learning therapies? A scoping review of evidence-based, task-focused models of upper limb therapy for children with unilateral cerebral palsy. Disability and Rehabilitation, 2023, 45, 1536-1548.	0.9	6
101	Effectiveness of Sensory Discrimination Training When Delivered By Family Members: A Pilot Study. Brain Impairment, 2008, 9, 140-151.	0.5	5
102	Impaired Discrimination of Sensory Information About Slip Between Object and Skin is Associated With Handgrip Limitation Poststroke. Brain Impairment, 2008, 9, 114-121.	0.5	5
103	Assessing body sensations in children: Intra-rater reliability of assessment and effects of age. British Journal of Occupational Therapy, 2019, 82, 179-185.	0.5	5
104	Factors influencing allied health professionalsâ€™ implementation of upper limb sensory rehabilitation for stroke survivors: a qualitative study to inform knowledge translation. BMJ Open, 2021, 11, e042879.	0.8	5
105	Somatosensory discrimination impairment in children with hemiplegic cerebral palsy as measured by the sense_assessÂ© kids. Australian Occupational Therapy Journal, 2021, 68, 317-326.	0.6	5
106	Directions for Stroke Rehabilitation Clinical Practice and Research. , 2012, , 240-250.		5
107	Predicting Post-Stroke Somatosensory Function from Resting-State Functional Connectivity: A Feasibility Study. Brain Sciences, 2021, 11, 1388.	1.1	5
108	Co-Designing a New Yoga-Based Mindfulness Intervention for Survivors of Stroke: A Formative Evaluation. Neurology International, 2022, 14, 1-10.	1.3	5

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109	Novel insights into stroke pain beliefs and perceptions. Topics in Stroke Rehabilitation, 2020, 27, 344-353.	1.0	4
110	How do health professionals prioritize clinical areas for implementation of evidence into practice? A cross-sectional qualitative study. International Journal of Evidence-Based Healthcare, 2020, Publish Ahead of Print, 288-296.	0.1	4
111	Pre-existing Comorbidity Burden and Patient Perceived Stroke Impact. International Journal of Stroke, 2021, 16, 273-279.	2.9	4
112	Learning following Brain Injury: Neural Plasticity Markers. Neural Plasticity, 2019, 2019, 1-2.	1.0	3
113	What is â€œusual careâ€•in the rehabilitation of upper limb sensory loss after stroke? Results from a national audit and knowledge translation study. Disability and Rehabilitation, 2022, 44, 6462-6470.	0.9	3
114	Training Principles to Enhance Learning-Based Rehabilitation and Neuroplasticity. , 2012, , 116-127.		3
115	Response to FourÂweeks (10 sessions) of individual sensory discrimination training produced clinically important changes in upper limb sensation after stroke. Australian Occupational Therapy Journal, 2012, 59, 168-169.	0.6	2
116	Loss of somatic sensation. , 0, , 298-311.		2
117	Understanding the potential for yoga and tai chi interventions to moderate risk factors for stroke â€“ a scoping review. Future Neurology, 2018, 13, 239-252.	0.9	2
118	Haptic Exploratory Procedures of Children and Youth with and without Cerebral Palsy. Physical and Occupational Therapy in Pediatrics, 2019, 39, 337-351.	0.8	2
119	Experience of Engagement in a Somatosensory Discrimination Intervention for Children with Hemiplegic Cerebral Palsy: A Qualitative Investigation. Developmental Neurorehabilitation, 2019, 22, 348-358.	0.5	2
120	Comparing Participation Outcome Over Time Across International Stroke Cohorts: Outcomes and Methods. Archives of Physical Medicine and Rehabilitation, 2019, 100, 2096-2105.	0.5	2
121	The impact of low vision on activities, participation, and goals among older adults: a scoping review. Disability and Rehabilitation, 2022, 44, 5683-5707.	0.9	2
122	Motivation, Mood, and the Right Environment. , 2012, , 106-115.		2
123	Fibrin clot characteristics and anticoagulant response in a SARSâ€CoVâ€2â€•infected endothelial model. EJHaem, 2022, 3, 326-334.	0.4	2
124	Development of an audit checklist to evaluate treatment fidelity of a complex rehabilitation intervention. Disability and Rehabilitation, 2023, 45, 1131-1138.	0.9	2
125	Neuroscience makes sense for occupational therapy. Australian Occupational Therapy Journal, 2010, 57, 197-199.	0.6	1
126	Reorganizing Therapy: Changing the Clinical Approach to Upper Limb Recovery Post-Stroke. Occupational Therapy International, 2015, 22, 28-35.	0.3	1

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127	Measures of maximal tactile pressures of a sustained grasp task using a TactArray device have satisfactory reliability and validity in healthy people. Somatosensory & Motor Research, 2019, 36, 249-261.	0.4	1
128	Predictors of future stroke in adults 60-64 years living in the community. World Journal of Neurology, 2016, 6, 14.	0.6	1
129	Construct validity, reliability, and responsiveness of the Wrist Position Sense Test for use in children with hemiplegic cerebral palsy. Australian Occupational Therapy Journal, 0, , .	0.6	1
130	Occupational therapy and stroke. Australian Occupational Therapy Journal, 2002, 49, 55-55.	0.6	0
131	Functional MRI and stroke. , 2003, , 251-262.		0
132	Stroke Rehabilitation: Multidisciplinary Perspectives. Brain Impairment, 2008, 9, 95-96.	0.5	0
133	Biologically reliable white matter fiber tractography: issues and solutions. Future Neurology, 2013, 8, 613-616.	0.9	0
134	49.. Journal of Clinical Neuroscience, 2014, 21, 2048-2049.	0.8	0
135	Editorial: The Sensing Brain: The Role of Sensation in Rehabilitation and Training. Frontiers in Neuroscience, 2020, 14, 645319.	1.4	0
136	World Health Organization International. , 2013, , 2350-2350.		0