

Kathleen M Friel

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

2,088
citations

236925

25
h-index

254184

43
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45
all docs

45
docs citations

45
times ranked

1749
citing authors

#	ARTICLE	IF	CITATIONS
1	Post-infarct cortical plasticity and behavioral recovery using concurrent cortical stimulation and rehabilitative training: A feasibility study in primates. <i>Neurological Research</i> , 2003, 25, 801-810.	1.3	269
2	Recovery of motor function after focal cortical injury in primates: compensatory movement patterns used during rehabilitative training. <i>Somatosensory & Motor Research</i> , 1998, 15, 173-189.	0.9	141
3	Activity- and use-dependent plasticity of the developing corticospinal system. <i>Neuroscience and Biobehavioral Reviews</i> , 2007, 31, 1125-1135.	6.1	127
4	Effects of Postlesion Experience on Behavioral Recovery and Neurophysiologic Reorganization after Cortical Injury in Primates. <i>Neurorehabilitation and Neural Repair</i> , 2000, 14, 187-198.	2.9	99
5	Role of sensory deficits in motor impairments after injury to primary motor cortex. <i>Neuropharmacology</i> , 2000, 39, 733-742.	4.1	90
6	Behavioral and neurophysiological effects of delayed training following a small ischemic infarct in primary motor cortex of squirrel monkeys. <i>Experimental Brain Research</i> , 2006, 169, 106-116.	1.5	84
7	Harnessing activity-dependent plasticity to repair the damaged corticospinal tract in an animal model of cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2011, 53, 9-13.	2.1	79
8	Skilled Bimanual Training Drives Motor Cortex Plasticity in Children With Unilateral Cerebral Palsy. <i>Neurorehabilitation and Neural Repair</i> , 2016, 30, 834-844.	2.9	78
9	Bilateral Activity-Dependent Interactions in the Developing Corticospinal System. <i>Journal of Neuroscience</i> , 2007, 27, 11083-11090.	3.6	75
10	Intensive upper- and lower-extremity training for children with bilateral cerebral palsy: a quasi-randomized trial. <i>Developmental Medicine and Child Neurology</i> , 2017, 59, 625-633.	2.1	70
11	Ipsilateral connections of the ventral premotor cortex in a new world primate. <i>Journal of Comparative Neurology</i> , 2006, 495, 374-390.	1.6	66
12	Pyramidal Tract Stimulation Restores Normal Corticospinal Tract Connections and Visuomotor Skill after Early Postnatal Motor Cortex Activity Blockade. <i>Journal of Neuroscience</i> , 2008, 28, 7426-7434.	3.6	65
13	Topographically Divergent and Convergent Connectivity between Premotor and Primary Motor Cortex. <i>Cerebral Cortex</i> , 2006, 16, 1057-1068.	2.9	61
14	A Squirrel Monkey Model of Poststroke Motor Recovery. <i>ILAR Journal</i> , 2003, 44, 161-174.	1.8	58
15	Capturing neuroplastic changes after bimanual intensive rehabilitation in children with unilateral spastic cerebral palsy: A combined DTI, TMS and fMRI pilot study. <i>Research in Developmental Disabilities</i> , 2015, 43-44, 136-149.	2.2	58
16	Activity-Based Therapies for Repair of the Corticospinal System Injured during Development. <i>Frontiers in Neurology</i> , 2014, 5, 229.	2.4	57
17	Does Corticospinal Tract Connectivity Influence the Response to Intensive Bimanual Therapy in Children With Unilateral Cerebral Palsy?. <i>Neurorehabilitation and Neural Repair</i> , 2017, 31, 250-260.	2.9	50
18	A telehealth approach to conducting clinical swallowing evaluations in children with cerebral palsy. <i>Research in Developmental Disabilities</i> , 2016, 55, 207-217.	2.2	48

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19	Reliability and responsiveness of the Jebsen-Taylor Test of Hand Function and the Box and Block Test for children with cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2019, 61, 1182-1188.	2.1	48
20	Role of sensory-motor cortex activity in postnatal development of corticospinal axon terminals in the cat. <i>Journal of Comparative Neurology</i> , 2005, 485, 43-56.	1.6	46
21	Dissociation of Sensorimotor Deficits After Rostral Versus Caudal Lesions in the Primary Motor Cortex Hand Representation. <i>Journal of Neurophysiology</i> , 2005, 94, 1312-1324.	1.8	46
22	Effect of sensory and motor connectivity on hand function in pediatric hemiplegia. <i>Annals of Neurology</i> , 2017, 82, 766-780.	5.3	43
23	Pathophysiological mechanisms of impaired limb use and repair strategies for motor systems after unilateral injury of the developing brain. <i>Developmental Medicine and Child Neurology</i> , 2013, 55, 27-31.	2.1	41
24	Using diffusion tensor imaging to identify corticospinal tract projection patterns in children with unilateral spastic cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2017, 59, 65-71.	2.1	33
25	Improvements in hand function after intensive bimanual training are not associated with corticospinal tract dysgenesis in children with unilateral cerebral palsy. <i>Experimental Brain Research</i> , 2014, 232, 2001-2009.	1.5	29
26	Neurophysiological mechanisms and functional impact of mirror movements in children with unilateral spastic cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2018, 60, 155-161.	2.1	27
27	The effects of intensive bimanual training with and without tactile training on tactile function in children with unilateral spastic cerebral palsy: A pilot study. <i>Research in Developmental Disabilities</i> , 2016, 49-50, 129-139.	2.2	25
28	The Relationship Between Hand Function and Overlapping Motor Representations of the Hands in the Contralesional Hemisphere in Unilateral Spastic Cerebral Palsy. <i>Neurorehabilitation and Neural Repair</i> , 2018, 32, 62-72.	2.9	24
29	Effects of a Rostral Motor Cortex Lesion on Primary Motor Cortex Hand Representation Topography in Primates. <i>Neurorehabilitation and Neural Repair</i> , 2007, 21, 51-61.	2.9	20
30	Motor Skill Training May Restore Impaired Corticospinal Tract Fibers in Children With Cerebral Palsy. <i>Neurorehabilitation and Neural Repair</i> , 2020, 34, 533-546.	2.9	19
31	Factors Contributing to Motor Impairment and Recovery after Stroke. <i>Neurorehabilitation and Neural Repair</i> , 2000, 14, 301-310.	2.9	18
32	Relationship Between Integrity of the Corpus Callosum and Bimanual Coordination in Children With Unilateral Spastic Cerebral Palsy. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 334.	2.0	18
33	Improvements in Upper Extremity Function Following Intensive Training Are Independent of Corticospinal Tract Organization in Children With Unilateral Spastic Cerebral Palsy: A Clinical Randomized Trial. <i>Frontiers in Neurology</i> , 2021, 12, 660780.	2.4	17
34	Combined transcranial direct current stimulation and robotic upper limb therapy improves upper limb function in an adult with cerebral palsy. <i>NeuroRehabilitation</i> , 2017, 41, 41-50.	1.3	12
35	Anatomical and Functional Characterization in Children With Unilateral Cerebral Palsy: An Atlas-Based Analysis. <i>Neurorehabilitation and Neural Repair</i> , 2020, 34, 148-158.	2.9	10
36	Brain activation changes following motor training in children with unilateral cerebral palsy: An fMRI study. <i>Annals of Physical and Rehabilitation Medicine</i> , 2021, 64, 101502.	2.3	8

#	ARTICLE	IF	CITATIONS
37	Intensive training of upper extremity function in children with cerebral palsy. , 2009, , 438-457.		7
38	Bimanual Skill Learning after Transcranial Direct Current Stimulation in Children with Unilateral Cerebral Palsy: A Brief Report. <i>Developmental Neurorehabilitation</i> , 2019, 22, 504-508.	1.1	6
39	Intensive Unimanual Training Leads to Better Reaching and Head Control than Bimanual Training in Children with Unilateral Cerebral Palsy. <i>Physical and Occupational Therapy in Pediatrics</i> , 2020, 40, 491-505.	1.3	4
40	Anticipatory Motor Planning and Control of Grasp in Children with Unilateral Spastic Cerebral Palsy. <i>Brain Sciences</i> , 2021, 11, 1161.	2.3	3
41	HABIT+tDCS: a study protocol of a randomised controlled trial (RCT) investigating the synergistic efficacy of hand-arm bimanual intensive therapy (HABIT) plus targeted non-invasive brain stimulation to improve upper extremity function in school-age children with unilateral cerebral palsy. <i>BMJ Open</i> , 2022, 12, e052409.	1.9	3
42	Response: Commentary: Skilled Bimanual Training Drives Motor Cortex Plasticity in Children with Unilateral Cerebral Palsy. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 619.	2.0	2
43	Reorganization of Ventral Premotor Cortex After Ischemic Brain Injury: Effects of Forced Use. <i>Neurorehabilitation and Neural Repair</i> , 2022, , 154596832211016.	2.9	2
44	Harnessing activity-dependent plasticity in the developing corticospinal system to restore motor function after perinatal brain injury. <i>Technology and Disability</i> , 2010, 22, 167-177.	0.6	1
45	Mirror movements and brain pathology in children with unilateral cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 0, , .	2.1	1