Ana Solodkin

List of Publications by Year
in descending order

68 papers	6,230 citations	87888 38 h-index	110387 64 g-index
75 all docs	75 docs citations	75 times ranked	7399 citing authors

#	Article	IF	Citations
1	Action observation has a positive impact on rehabilitation of motor deficits after stroke. NeuroImage, 2007, 36, T164-T173.	4.2	536
2	Fine Modulation in Network Activation during Motor Execution and Motor Imagery. Cerebral Cortex, 2004, 14, 1246-1255.	2.9	470
3	Entorhinal cortex modules of the human brain. Journal of Comparative Neurology, 1996, 365, 610-627.	1.6	351
4	Escitalopram and Problem-Solving Therapy for Prevention of Poststroke Depression. JAMA - Journal of the American Medical Association, 2008, 299, 2391.	7.4	312
5	The mind of expert motor performance is cool and focused. NeuroImage, 2007, 35, 804-813.	4.2	267
6	Functions of the Mirror Neuron System: Implications for Neurorehabilitation. Cognitive and Behavioral Neurology, 2006, 19, 55-63.	0.9	265
7	Cerebellar hemispheric activation ipsilateral to the paretic hand correlates with functional recovery after stroke. Brain, 2002, 125, 1544-1557.	7.6	230
8	Dynorphin expression and Fos-like immunoreactivity following inflammation induced hyperalgesia are colocalized in spinal cord neurons. Molecular Brain Research, 1991, 10, 227-233.	2.3	223
9	Fragmentation and Unpredictability of Early-Life Experience in Mental Disorders. American Journal of Psychiatry, 2012, 169, 907-915.	7.2	202
10	Somatotopy in Human Primary Motor and Somatosensory Hand Representations Revisited. Cerebral Cortex, 2001, 11, 312-321.	2.9	199
11	Autosomal dominant dementia with widespread neurofibrillary tangles. Annals of Neurology, 1997, 42, 564-572.	5.3	187
12	Lateralization of motor circuits and handedness during finger movements. European Journal of Neurology, 2001, 8, 425-434.	3.3	185
13	Age-related connectivity changes in fMRI data from children listening to stories. NeuroImage, 2007, 34, 349-360.	4.2	139
14	The mirror neuron system and treatment of stroke. Developmental Psychobiology, 2012, 54, 293-310.	1.6	122
15	Spinocerebellar ataxia type 6. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2012, 103, 461-473.	1.8	121
16	Noxious colorectal distention induced-c-Fos protein in limbic brain structures in the rat. Neuroscience Letters, 1996, 215, 165-168.	2.1	115
17	Neural development of networks for audiovisual speech comprehension. Brain and Language, 2010, 114, 101-114.	1.6	109
18	Unilateral hindpaw inflammation produces a bilateral increase in NADPH-diaphorase histochemical staining in the rat lumbar spinal cord. Neuroscience, 1992, 51, 495-499.	2.3	107

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19	Preferential loss of dorsal-hippocampus synapses underlies memory impairments provoked by short, multimodal stress. Molecular Psychiatry, 2014, 19, 811-822.	7.9	96
20	Left hemisphere regions are critical for language in the face of early left focal brain injury. Brain, 2010, 133, 1707-1716.	7.6	95
21	Calcitonin gene-related peptide immunoreactivity in the cat lumbosacral spinal cord and the effects of multiple dorsal rhizotomies. Journal of Comparative Neurology, 1989, 287, 225-237.	1.6	91
22	Utility of EEG measures of brain function in patients with acute stroke. Journal of Neurophysiology, 2016, 115, 2399-2405.	1.8	90
23	MRI uncovers disrupted hippocampal microstructure that underlies memory impairments after earlyâ€life adversity. Hippocampus, 2016, 26, 1618-1632.	1.9	88
24	Pathology of the Insular Cortex in Alzheimer Disease Depends on Cortical Architecture. Journal of Neuropathology and Experimental Neurology, 2005, 64, 910-922.	1.7	87
25	On the Road to Automatic: Dynamic Aspects in the Development of Expertise. Journal of Clinical Neurophysiology, 2004, 21, 134-143.	1.7	83
26	Linking Molecular Pathways and Large-Scale Computational Modeling to Assess Candidate Disease Mechanisms and Pharmacodynamics in Alzheimer's Disease. Frontiers in Computational Neuroscience, 2019, 13, 54.	2.1	83
27	Contingent Vulnerability of Entorhinal Parvalbumin-Containing Neurons in Alzheimerâ€™s Disease. Journal of Neuroscience, 1996, 16, 3311-3321.	3.6	79
28	Cortical Plasticity During Three-Week Motor Skill Learning. Journal of Clinical Neurophysiology, 2004, 21, 180-191.	1.7	77
29	Imaging motor imagery: Methodological issues related to expertise. Methods, 2008, 45, 336-341.	3.8	71
30	Some Modular Features of Temporal Cortex in Humans as Revealed by Pathological Changes in Alzheimer's Disease. Cerebral Cortex, 1993, 3, 465-475.	2.9	70
31	Brain repair after strokeâ€”a novel neurological model. Nature Reviews Neurology, 2013, 9, 698-707.	10.1	69
32	Differentiation of Alzheimer's disease based on local and global parameters in personalized Virtual Brain models. NeuroImage: Clinical, 2018, 19, 240-251.	2.7	69
33	Network activation during bimanual movements in humans. NeuroImage, 2008, 43, 540-553.	4.2	67
34	Functional Mechanisms of Recovery after Chronic Stroke: Modeling with the Virtual Brain. ENeuro, 2016, 3, ENEURO.0158-15.2016.	1.9	61
35	Spinal cord NADPH-diaphorase histochemical staining but not nitric oxide synthase immunoreactivity increases following carrageenan-produced hindpaw inflammation in the rat. Brain Research, 1994, 668, 204-210.	2.2	57
36	Brain function overlaps when people observe emblems, speech, and grasping. Neuropsychologia, 2013, 51, 1619-1629.	1.6	57

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37	Gesture in the developing brain. Developmental Science, 2012, 15, 165-180.	2.4	48
38	The Virtual Brain: Modeling Biological Correlates of Recovery after Chronic Stroke. Frontiers in Neurology, 2015, 6, 228.	2.4	48
39	Functional Lateralization of the Human Premotor Cortex during Sequential Movements. Brain and Cognition, 2002, 49, 54-62.	1.8	47
40	A new neuroinformatics approach to personalized medicine in neurology: The Virtual Brain. Current Opinion in Neurology, 2016, 29, 429-436.	3.6	47
41	NADPH-diaphorase histochemistry provides evidence for a bilateral, somatotopically inappropriate response to unilateral hindpaw inflammation in the rat. Brain Research, 1994, 647, 113-123.	2.2	44
42	Cellular and Systems Neuroanatomical Changes in Alzheimer's Disease. Annals of the New York Academy of Sciences, 1994, 747, 12-35.	3.8	39
43	Prevention of Post-Stroke Generalized Anxiety Disorder, Using Escitalopram or Problem-Solving Therapy. Journal of Neuropsychiatry and Clinical Neurosciences, 2014, 26, 323-328.	1.8	36
44	Prevention of Poststroke Apathy Using Escitalopram or Problem-Solving Therapy. American Journal of Geriatric Psychiatry, 2013, 21, 855-862.	1.2	33
45	Loss of Intrinsic Organization of Cerebellar Networks in Spinocerebellar Ataxia Type 1: Correlates with Disease Severity and Duration. Cerebellum, 2011, 10, 218-232.	2.5	30
46	Development of white matter pathways in typically developing preadolescent children. Brain Research, 2012, 1466, 33-43.	2.2	30
47	Increased Frequency of First-Episode Poststroke Depression After Discontinuation of Escitalopram. Stroke, 2011, 42, 3281-3283.	2.0	29
48	Interhemispheric Functional Connectivity following Prenatal or Perinatal Brain Injury Predicts Receptive Language Outcome. Journal of Neuroscience, 2013, 33, 5612-5625.	3.6	27
49	In vivo parahippocampal white matter pathology as a biomarker of disease progression to Alzheimer's disease. Journal of Comparative Neurology, 2013, 521, 4300-4317.	1.6	27
50	Computational Modeling of Resting-State Activity Demonstrates Markers of Normalcy in Children with Prenatal or Perinatal Stroke. Journal of Neuroscience, 2015, 35, 8914-8924.	3.6	26
51	A Network Model of Observation and Imitation of Speech. Frontiers in Psychology, 2012, 3, 84.	2.1	25
52	Mapping complementary features of crossâ€ŝpecies structural connectivity to construct realistic â€œVirtual Brainsâ€• Human Brain Mapping, 2017, 38, 2080-2093.	3.6	22
53	Bridging Scales in Alzheimer's Disease: Biological Framework for Brain Simulation With The Virtual Brain. Frontiers in Neuroinformatics, 2021, 15, 630172.	2.5	20
54	Network specialization during adolescence: Hippocampal effective connectivity in boys and girls. NeuroImage, 2018, 175, 402-412.	4.2	18

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55	Changes in the amplitude and timing of the hemodynamic response associated with prepulse inhibition of acoustic startle. NeuroImage, 2006, 32, 1375-1384.	4.2	15
56	One season of head-to-ball impact exposure alters functional connectivity in a central autonomic network. NeuroImage, 2020, 223, 117306.	4.2	11
57	Analysis of longitudinal diffusion-weighted images in healthy and pathological aging: An ADNI study. Journal of Neuroscience Methods, 2017, 278, 101-115.	2.5	10
58	Brain simulation augments machineâ€learningâ€“based classification of dementia. Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2022, 8, .	3.7	10
59	Complex Motor Function in Humans: Validating and Extending the Postulates of Alexandr R. Luria. Cognitive and Behavioral Neurology, 2006, 19, 11-20.	0.9	9
60	Review : The Neurobiology of Stroke Rehabilitation. Neuroscientist, 1998, 4, 426-434.	3.5	7
61	TVB-EduPackâ€”An Interactive Learning and Scripting Platform for The Virtual Brain. Frontiers in Neuroinformatics, 2015, 9, 27.	2.5	7
62	Heritability of Structural Patterning in the Human Cerebral Cortex. NeuroImage, 2020, 221, 117169.	4.2	7
63	Neurological Biomarkers and Neuroinformatics. , 2018, , 3-30.		5
64	The Anatomy and Physiology of the Motor System in Humans. , 0, , 507-539.		3
65	Determinants of structural segregation and patterning in the human cortex. NeuroImage, 2019, 196, 248-260.	4.2	2
66	Spinocerebellar atrophies. , 2015, , 363-384.		0
67	Abstract W P387: Neurological Correlates Of Brain Function After Acute Stroke--A Dense Array EEG Study. Stroke, 2015, 46, .	2.0	0
68	Abstract T P116: Increased Maintenance of Motor Gains Following a Novel Stroke Therapy. Stroke, 2014, 45, .	2.0	0