

# Satrajit S Ghosh

## List of Publications by Citations

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

95  
papers

7,339  
citations

37  
h-index

85  
g-index

109  
ext. papers

10,478  
ext. citations

5.9  
avg, IF

5.94  
L-index

#	Paper	IF	Citations
95	Nipype: a flexible, lightweight and extensible neuroimaging data processing framework in python. <i>Frontiers in Neuroinformatics</i> , <b>2011</b> , 5, 13	3.9	737
94	Situating the default-mode network along a principal gradient of macroscale cortical organization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 12574-12579	11.5	706
93	fMRIPrep: a robust preprocessing pipeline for functional MRI. <i>Nature Methods</i> , <b>2019</b> , 16, 111-116	21.6	615
92	Neural modeling and imaging of the cortical interactions underlying syllable production. <i>Brain and Language</i> , <b>2006</b> , 96, 280-301	2.9	612
91	The brain imaging data structure, a format for organizing and describing outputs of neuroimaging experiments. <i>Scientific Data</i> , <b>2016</b> , 3, 160044	8.2	510
90	Prediction as a humanitarian and pragmatic contribution from human cognitive neuroscience. <i>Neuron</i> , <b>2015</b> , 85, 11-26	13.9	350
89	NeuroVault.org: a web-based repository for collecting and sharing unthresholded statistical maps of the human brain. <i>Frontiers in Neuroinformatics</i> , <b>2015</b> , 9, 8	3.9	332
88	Evaluating the validity of volume-based and surface-based brain image registration for developmental cognitive neuroscience studies in children 4 to 11 years of age. <i>NeuroImage</i> , <b>2010</b> , 53, 85-93	7.9	198
87	Evaluation of volume-based and surface-based brain image registration methods. <i>NeuroImage</i> , <b>2010</b> , 51, 214-20	7.9	194
86	Mindboggling morphometry of human brains. <i>PLoS Computational Biology</i> , <b>2017</b> , 13, e1005350	5	186
85	Data sharing in neuroimaging research. <i>Frontiers in Neuroinformatics</i> , <b>2012</b> , 6, 9	3.9	171
84	Predicting treatment response in social anxiety disorder from functional magnetic resonance imaging. <i>JAMA Psychiatry</i> , <b>2013</b> , 70, 87-97	14.5	167
83	Functional gradients of the cerebellum. <i>ELife</i> , <b>2018</b> , 7,	8.9	158
82	Optimizing real time fMRI neurofeedback for therapeutic discovery and development. <i>NeuroImage: Clinical</i> , <b>2014</b> , 5, 245-55	5.3	142
81	BIDS apps: Improving ease of use, accessibility, and reproducibility of neuroimaging data analysis methods. <i>PLoS Computational Biology</i> , <b>2017</b> , 13, e1005209	5	129
80	Region of interest based analysis of functional imaging data. <i>NeuroImage</i> , <b>2003</b> , 19, 1303-16	7.9	126
79	Brain connectomics predict response to treatment in social anxiety disorder. <i>Molecular Psychiatry</i> , <b>2016</b> , 21, 680-5	15.1	121

78	A neuroimaging study of premotor lateralization and cerebellar involvement in the production of phonemes and syllables. <i>Journal of Speech, Language, and Hearing Research</i> , <b>2008</b> , 51, 1183-202	2.8	116
77	fMRI investigation of unexpected somatosensory feedback perturbation during speech. <i>NeuroImage</i> , <b>2011</b> , 55, 1324-38	7.9	94
76	Representation of sound categories in auditory cortical maps. <i>Journal of Speech, Language, and Hearing Research</i> , <b>2004</b> , 47, 46-57	2.8	90
75	Weak responses to auditory feedback perturbation during articulation in persons who stutter: evidence for abnormal auditory-motor transformation. <i>PLoS ONE</i> , <b>2012</b> , 7, e41830	3.7	86
74	Automated assessment of psychiatric disorders using speech: A systematic review. <i>Laryngoscope Investigative Otolaryngology</i> , <b>2020</b> , 5, 96-116	2.8	67
73	Mindboggle: automated brain labeling with multiple atlases. <i>BMC Medical Imaging</i> , <b>2005</b> , 5, 7	2.9	65
72	Diffusion imaging of cerebral white matter in persons who stutter: evidence for network-level anomalies. <i>Frontiers in Human Neuroscience</i> , <b>2014</b> , 8, 54	3.3	63
71	Dysfunction of Rapid Neural Adaptation in Dyslexia. <i>Neuron</i> , <b>2016</b> , 92, 1383-1397	13.9	63
70	Focal manipulations of formant trajectories reveal a role of auditory feedback in the online control of both within-syllable and between-syllable speech timing. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 16483-90	6.6	59
69	Natural Language Processing Reveals Vulnerable Mental Health Support Groups and Heightened Health Anxiety on Reddit During COVID-19: Observational Study. <i>Journal of Medical Internet Research</i> , <b>2020</b> , 22, e22635	7.6	58
68	Crowdsourced estimation of cognitive decline and resilience in Alzheimer's disease. <i>Alzheimer's and Dementia</i> , <b>2016</b> , 12, 645-53	1.2	58
67	Optimized design and analysis of sparse-sampling fMRI experiments. <i>Frontiers in Neuroscience</i> , <b>2013</b> , 7, 55	5.1	56
66	NeuroVault.org: A repository for sharing unthresholded statistical maps, parcellations, and atlases of the human brain. <i>NeuroImage</i> , <b>2016</b> , 124, 1242-1244	7.9	55
65	Roles of default-mode network and supplementary motor area in human vigilance performance: evidence from real-time fMRI. <i>Journal of Neurophysiology</i> , <b>2013</b> , 109, 1250-8	3.2	54
64	Adaptive auditory feedback control of the production of formant trajectories in the Mandarin triphthong /iau/ and its pattern of generalization. <i>Journal of the Acoustical Society of America</i> , <b>2010</b> , 128, 2033-48	2.2	51
63	Computing moment-to-moment BOLD activation for real-time neurofeedback. <i>NeuroImage</i> , <b>2011</b> , 54, 361-8	7.9	50
62	The Healthy Brain Network Serial Scanning Initiative: a resource for evaluating inter-individual differences and their reliabilities across scan conditions and sessions. <i>GigaScience</i> , <b>2017</b> , 6, 1-14	7.6	49
61	An investigation of the relation between sibilant production and somatosensory and auditory acuity. <i>Journal of the Acoustical Society of America</i> , <b>2010</b> , 128, 3079-87	2.2	47

60	Everything Matters: The ReproNim Perspective on Reproducible Neuroimaging. <i>Frontiers in Neuroinformatics</i> , <b>2019</b> , 13, 1	3.9	42
59	fMRIPrep: a robust preprocessing pipeline for functional MRI		41
58	Impaired timing adjustments in response to time-varying auditory perturbation during connected speech production in persons who stutter. <i>Brain and Language</i> , <b>2014</b> , 129, 24-9	2.9	34
57	Diffeomorphic functional brain surface alignment: Functional demons. <i>NeuroImage</i> , <b>2017</b> , 156, 456-465	7.9	30
56	Mapping the human subcortical auditory system using histology, postmortem MRI and in vivo MRI at 7T. <i>ELife</i> , <b>2019</b> , 8,	8.9	29
55	Predicting Activation Across Individuals with Resting-State Functional Connectivity Based Multi-Atlas Label Fusion. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 9350, 313-320	0.9	28
54	Brain bases of reading fluency in typical reading and impaired fluency in dyslexia. <i>PLoS ONE</i> , <b>2014</b> , 9, e100552	3.7	28
53	Cine magnetic resonance imaging with simultaneous audio to evaluate pediatric velopharyngeal insufficiency. <i>JAMA Otolaryngology</i> , <b>2011</b> , 137, 258-63		26
52	Sharing brain mapping statistical results with the neuroimaging data model. <i>Scientific Data</i> , <b>2016</b> , 3, 160102	10.2	26
51	Phonological Working Memory for Words and Nonwords in Cerebral Cortex. <i>Journal of Speech, Language, and Hearing Research</i> , <b>2017</b> , 60, 1959-1979	2.8	25
50	Diffusion Tensor Imaging of Central Auditory Pathways in Patients with Sensorineural Hearing Loss: A Systematic Review. <i>Otolaryngology - Head and Neck Surgery</i> , <b>2018</b> , 158, 432-442	5.5	25
49	Analysis of task-based functional MRI data preprocessed with fMRIPrep. <i>Nature Protocols</i> , <b>2020</b> , 15, 2186-2202	23	23
48	Brainhack: a collaborative workshop for the open neuroscience community. <i>GigaScience</i> , <b>2016</b> , 5, 16	7.6	23
47	Decreased Cerebellar-Orbitofrontal Connectivity Correlates with Stuttering Severity: Whole-Brain Functional and Structural Connectivity Associations with Persistent Developmental Stuttering. <i>Frontiers in Human Neuroscience</i> , <b>2016</b> , 10, 190	3.3	22
46	LittleBrain: A gradient-based tool for the topographical interpretation of cerebellar neuroimaging findings. <i>PLoS ONE</i> , <b>2019</b> , 14, e0210028	3.7	19
45	Real-time fMRI neurofeedback reduces auditory hallucinations and modulates resting state connectivity of involved brain regions: Part 2: Default mode network -preliminary evidence. <i>Psychiatry Research</i> , <b>2020</b> , 284, 112770	9.9	19
44	Learning from open source software projects to improve scientific review. <i>Frontiers in Computational Neuroscience</i> , <b>2012</b> , 6, 18	3.5	19
43	Instrumentation bias in the use and evaluation of scientific software: recommendations for reproducible practices in the computational sciences. <i>Frontiers in Neuroscience</i> , <b>2013</b> , 7, 162	5.1	19

42	The influence of auditory acuity on acoustic variability and the use of motor equivalence during adaptation to a perturbation. <i>Journal of Speech, Language, and Hearing Research</i> , <b>2011</b> , 54, 727-39	2.8	18
41	Relation of white-matter microstructure to reading ability and disability in beginning readers. <i>Neuropsychology</i> , <b>2017</b> , 31, 508-515	3.8	17
40	DataLad: distributed system for joint management of code, data, and their relationship. <i>Journal of Open Source Software</i> , <b>2021</b> , 6, 3262	5.2	15
39	Open Neuroimaging Laboratory. <i>Research Ideas and Outcomes</i> , <b>2021</b> , 2, e9113	2.5	12
38	A multimodal cell census and atlas of the mammalian primary motor cortex		12
37	A very simple, re-executable neuroimaging publication. <i>F1000Research</i> , <b>2017</b> , 6, 124	3.6	11
36	A very simple, re-executable neuroimaging publication. <i>F1000Research</i> , <b>2017</b> , 6, 124	3.6	10
35	Brainhack: Developing a culture of open, inclusive, community-driven neuroscience. <i>Neuron</i> , <b>2021</b> , 109, 1769-1775	13.9	10
34	Neurodevelopmental and Psychiatric Symptoms in Patients with a Cyst Compressing the Cerebellum: an Ongoing Enigma. <i>Cerebellum</i> , <b>2020</b> , 19, 16-29	4.3	10
33	Image acquisition and quality assurance in the Boston Adolescent Neuroimaging of Depression and Anxiety study. <i>NeuroImage: Clinical</i> , <b>2020</b> , 26, 102242	5.3	9
32	A Standards Organization for Open and FAIR Neuroscience: the International Neuroinformatics Coordinating Facility. <i>Neuroinformatics</i> , <b>2021</b> , 1	3.2	9
31	Neurofeedback and neuroplasticity of visual self-processing in depressed and healthy adolescents: A preliminary study. <i>Developmental Cognitive Neuroscience</i> , <b>2019</b> , 40, 100707	5.5	6
30	Real-time fMRI feedback impacts brain activation, results in auditory hallucinations reduction: Part 1: Superior temporal gyrus -Preliminary evidence. <i>Psychiatry Research</i> , <b>2020</b> , 286, 112862	9.9	5
29	The Brain Imaging Data Structure: a standard for organizing and describing outputs of neuroimaging experiments		5
28	Mapping the human subcortical auditory system using histology, post mortem MRI and in vivo MRI at 7T		5
27	Analysis of task-based functional MRI data preprocessed with fMRIPrep		5
26	Functional Alterations in Cerebellar Functional Connectivity in Anxiety Disorders. <i>Cerebellum</i> , <b>2021</b> , 20, 392-401	4.3	5
25	The Neurodata Without Borders ecosystem for neurophysiological data science		4

24	TemplateFlow: FAIR-sharing of multi-scale, multi-species brain models		4
23	Linked Data in Neuroscience: Applications, Benefits, and Challenges		3
22	The Healthy Brain Network Serial Scanning Initiative: A resource for evaluating inter-individual differences and their reliabilities across scan conditions and sessions		3
21	BIDS Apps: Improving ease of use, accessibility, and reproducibility of neuroimaging data analysis methods		3
20	Pydra - a flexible and lightweight dataflow engine for scientific analyses <b>2020</b> ,		2
19	Author response: Functional gradients of the cerebellum <b>2018</b> ,		2
18	Author response: Mapping the human subcortical auditory system using histology, postmortem MRI and in vivo MRI at 7T <b>2019</b> ,		2
17	Sharing brain mapping statistical results with the neuroimaging data model		2
16	Mindboggling morphometry of human brains		2
15	Functional Gradients of the Cerebellum: A Fundamental Movement-To-Thought Principle		2
14	Neurophysiological Vocal Source Modeling for Biomarkers of Disease		2
13	TemplateFlow: a community archive of imaging templates and atlases for improved consistency in neuroimaging		
12	Predicting Treatment Response from Resting State fMRI Data: Comparison of Parcellation Approaches <b>2013</b> ,		1
11	Asymmetric Functional Gradients in the Human Subcortex		1
10	Remote Digital Psychiatry for Mobile Mental Health Assessment and Therapy: MindLogger Platform Development Study. <i>Journal of Medical Internet Research</i> , <b>2021</b> , 23, e22369	7.6	1
9	Will Neuroimaging Produce a Clinical Tool for Psychiatry?. <i>Psychiatric Annals</i> , <b>2019</b> , 49, 209-214	0.5	1
8	NiTransforms: A Python tool to read, represent, manipulate, and apply dimensional spatial transforms. <i>Journal of Open Source Software</i> , <b>2021</b> , 6, 3459	5.2	1
7	Connectivity Patterns Evoked by Fearful Faces Demonstrate Reduced Flexibility Across a Shared Dimension of Adolescent Anxiety and Depression. <i>Clinical Psychological Science</i> , 216770262210796	6	1

6	Is Neuroscience FAIR? A Call for Collaborative Standardisation of Neuroscience Data.. <i>Neuroinformatics</i> , <b>2022</b> , 1	3.2	o
5	It's quality and quantity: the effect of the amount of comments on online suicidal posts. <b>2021</b> , 2021, 95-103		o
4	Structural Connectivity of Human Inferior Colliculus Subdivisions Using and Diffusion MRI Tractography.. <i>Frontiers in Neuroscience</i> , <b>2022</b> , 16, 751595	5.1	o
3	Microscopy-BIDS: An Extension to the Brain Imaging Data Structure for Microscopy Data.. <i>Frontiers in Neuroscience</i> , <b>2022</b> , 16, 871228	5.1	o
2	Graph-based clinical diagnosis and prediction using multi-modal neuroimaging data. <i>Research Ideas and Outcomes</i> , <b>2</b> , e8835	2.5	
1	The Neuroimaging Data Model Linear Regression Tool (nidm_linreg): PyNIDM Project. <i>F1000Research</i> , <b>11</b> , 228	3.6	