Satrajit S Ghosh

List of Publications by Year in Descending Order

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	Is Neuroscience FAIR? A Call for Collaborative Standardisation of Neuroscience Data.. *Neuroinformatics*, **2022**, 1	3.2	0
94	Structural Connectivity of Human Inferior Colliculus Subdivisions Using and Diffusion MRI Tractography.. *Frontiers in Neuroscience*, **2022**, 16, 751595	5.1	0
93	Microscopy-BIDS: An Extension to the Brain Imaging Data Structure for Microscopy Data.. *Frontiers in Neuroscience*, **2022**, 16, 871228	5.1	0
92	Remote Digital Psychiatry for Mobile Mental Health Assessment and Therapy: MindLogger Platform Development Study. *Journal of Medical Internet Research*, **2021**, 23, e22369	7.6	1
91	It\s quality and quantity: the effect of the amount of comments on online suicidal posts. **2021**, 2021, 95-103		0
90	Brainhack: Developing a culture of open, inclusive, community-driven neuroscience. *Neuron*, **2021**, 109, 1769-1775	13.9	10
89	DataLad: distributed system for joint management of code, data, and their relationship. *Journal of Open Source Software*, **2021**, 6, 3262	5.2	15
88	Functional Alterations in Cerebellar Functional Connectivity in Anxiety Disorders. *Cerebellum*, **2021**, 20, 392-401	4.3	5
87	A Standards Organization for Open and FAIR Neuroscience: the International Neuroinformatics Coordinating Facility. *Neuroinformatics*, **2021**, 1	3.2	9
86	NiTransforms: A Python tool to read, represent, manipulate, and apply dimensional spatial transforms. *Journal of Open Source Software*, **2021**, 6, 3459	5.2	1
85	Analysis of task-based functional MRI data preprocessed with fMRIPrep. *Nature Protocols*, **2020**, 15, 2186-2202	15.8	123
84	Image acquisition and quality assurance in the Boston Adolescent Neuroimaging of Depression and Anxiety study. *NeuroImage: Clinical*, **2020**, 26, 102242	5.3	9
83	Real-time fMRI feedback impacts brain activation, results in auditory hallucinations reduction: Part 1: Superior temporal gyrus -Preliminary evidence. *Psychiatry Research*, **2020**, 286, 112862	9.9	5
82	Automated assessment of psychiatric disorders using speech: A systematic review. *Laryngoscope Investigative Otolaryngology*, **2020**, 5, 96-116	2.8	67
81	Real-time fMRI neurofeedback reduces auditory hallucinations and modulates resting state connectivity of involved brain regions: Part 2: Default mode network -preliminary evidence. *Psychiatry Research*, **2020**, 284, 112770	9.9	19
80	Natural Language Processing Reveals Vulnerable Mental Health Support Groups and Heightened Health Anxiety on Reddit During COVID-19: Observational Study. *Journal of Medical Internet Research*, **2020**, 22, e22635	7.6	58
79	Pydra - a flexible and lightweight dataflow engine for scientific analyses **2020**,		2

78	Neurodevelopmental and Psychiatric Symptoms in Patients with a Cyst Compressing the Cerebellum: an Ongoing Enigma. *Cerebellum*, **2020**, 19, 16-29	4.3	10
77	Neurofeedback and neuroplasticity of visual self-processing in depressed and healthy adolescents: A preliminary study. *Developmental Cognitive Neuroscience*, **2019**, 40, 100707	5.5	6
76	LittleBrain: A gradient-based tool for the topographical interpretation of cerebellar neuroimaging findings. *PLoS ONE*, **2019**, 14, e0210028	3.7	19
75	Everything Matters: The ReproNim Perspective on Reproducible Neuroimaging. *Frontiers in Neuroinformatics*, **2019**, 13, 1	3.9	42
74	Will Neuroimaging Produce a Clinical Tool for Psychiatry?. *Psychiatric Annals*, **2019**, 49, 209-214	0.5	1
73	Mapping the human subcortical auditory system using histology, postmortem MRI and in vivo MRI at 7T. *ELife*, **2019**, 8,	8.9	29
72	Author response: Mapping the human subcortical auditory system using histology, postmortem MRI and in vivo MRI at 7T **2019**,		2
71	fMRIPrep: a robust preprocessing pipeline for functional MRI. *Nature Methods*, **2019**, 16, 111-116	21.6	615
70	Author response: Functional gradients of the cerebellum **2018**,		2
69	Diffusion Tensor Imaging of Central Auditory Pathways in Patients with Sensorineural Hearing Loss: A Systematic Review. *Otolaryngology - Head and Neck Surgery*, **2018**, 158, 432-442	5.5	25
68	Functional gradients of the cerebellum. *ELife*, **2018**, 7,	8.9	158
67	Diffeomorphic functional brain surface alignment: Functional demons. *NeuroImage*, **2017**, 156, 456-465	7.9	30
66	Relation of white-matter microstructure to reading ability and disability in beginning readers. *Neuropsychology*, **2017**, 31, 508-515	3.8	17
65	Phonological Working Memory for Words and Nonwords in Cerebral Cortex. *Journal of Speech, Language, and Hearing Research*, **2017**, 60, 1959-1979	2.8	25
64	Mindboggling morphometry of human brains. *PLoS Computational Biology*, **2017**, 13, e1005350	5	186
63	The Healthy Brain Network Serial Scanning Initiative: a resource for evaluating inter-individual differences and their reliabilities across scan conditions and sessions. *GigaScience*, **2017**, 6, 1-14	7.6	49
62	A very simple, re-executable neuroimaging publication. *F1000Research*, **2017**, 6, 124	3.6	11
61	A very simple, re-executable neuroimaging publication. *F1000Research*, **2017**, 6, 124	3.6	10

60	BIDS apps: Improving ease of use, accessibility, and reproducibility of neuroimaging data analysis methods. *PLoS Computational Biology*, **2017**, 13, e1005209	5	129
59	NeuroVault.org: A repository for sharing unthresholded statistical maps, parcellations, and atlases of the human brain. *NeuroImage*, **2016**, 124, 1242-1244	7.9	55
58	The brain imaging data structure, a format for organizing and describing outputs of neuroimaging experiments. *Scientific Data*, **2016**, 3, 160044	8.2	510
57	Situating the default-mode network along a principal gradient of macroscale cortical organization. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 12574-12579	11.5	706
56	Brainhack: a collaborative workshop for the open neuroscience community. *GigaScience*, **2016**, 5, 16	7.6	23
55	Brain connectomics predict response to treatment in social anxiety disorder. *Molecular Psychiatry*, **2016**, 21, 680-5	15.1	121
54	Decreased Cerebellar-Orbitofrontal Connectivity Correlates with Stuttering Severity: Whole-Brain Functional and Structural Connectivity Associations with Persistent Developmental Stuttering. *Frontiers in Human Neuroscience*, **2016**, 10, 190	3.3	22
53	Dysfunction of Rapid Neural Adaptation in Dyslexia. *Neuron*, **2016**, 92, 1383-1397	13.9	63
52	Sharing brain mapping statistical results with the neuroimaging data model. *Scientific Data*, **2016**, 3, 160102	8.2	26
51	Crowdsourced estimation of cognitive decline and resilience in Alzheimer's disease. *Alzheimer's and Dementia*, **2016**, 12, 645-53	1.2	58
50	Predicting Activation Across Individuals with Resting-State Functional Connectivity Based Multi-Atlas Label Fusion. *Lecture Notes in Computer Science*, **2015**, 9350, 313-320	0.9	28
49	NeuroVault.org: a web-based repository for collecting and sharing unthresholded statistical maps of the human brain. *Frontiers in Neuroinformatics*, **2015**, 9, 8	3.9	332
48	Prediction as a humanitarian and pragmatic contribution from human cognitive neuroscience. *Neuron*, **2015**, 85, 11-26	13.9	350
47	Optimizing real time fMRI neurofeedback for therapeutic discovery and development. *NeuroImage: Clinical*, **2014**, 5, 245-55	5.3	142
46	Impaired timing adjustments in response to time-varying auditory perturbation during connected speech production in persons who stutter. *Brain and Language*, **2014**, 129, 24-9	2.9	34
45	Diffusion imaging of cerebral white matter in persons who stutter: evidence for network-level anomalies. *Frontiers in Human Neuroscience*, **2014**, 8, 54	3.3	63
44	Brain bases of reading fluency in typical reading and impaired fluency in dyslexia. *PLoS ONE*, **2014**, 9, e100552	3.7	28
43	Predicting Treatment Response from Resting State fMRI Data: Comparison of Parcellation Approaches **2013**,		1

42	Predicting treatment response in social anxiety disorder from functional magnetic resonance imaging. *JAMA Psychiatry*, **2013**, 70, 87-97	14.5	167
41	Roles of default-mode network and supplementary motor area in human vigilance performance: evidence from real-time fMRI. *Journal of Neurophysiology*, **2013**, 109, 1250-8	3.2	54
40	Optimized design and analysis of sparse-sampling FMRI experiments. *Frontiers in Neuroscience*, **2013**, 7, 55	5.1	56
39	Instrumentation bias in the use and evaluation of scientific software: recommendations for reproducible practices in the computational sciences. *Frontiers in Neuroscience*, **2013**, 7, 162	5.1	19
38	Learning from open source software projects to improve scientific review. *Frontiers in Computational Neuroscience*, **2012**, 6, 18	3.5	19
37	Data sharing in neuroimaging research. *Frontiers in Neuroinformatics*, **2012**, 6, 9	3.9	171
36	Weak responses to auditory feedback perturbation during articulation in persons who stutter: evidence for abnormal auditory-motor transformation. *PLoS ONE*, **2012**, 7, e41830	3.7	86
35	fMRI investigation of unexpected somatosensory feedback perturbation during speech. *NeuroImage*, **2011**, 55, 1324-38	7.9	94
34	Computing moment-to-moment BOLD activation for real-time neurofeedback. *NeuroImage*, **2011**, 54, 361-8	7.9	50
33	Nipype: a flexible, lightweight and extensible neuroimaging data processing framework in python. *Frontiers in Neuroinformatics*, **2011**, 5, 13	3.9	737
32	Cine magnetic resonance imaging with simultaneous audio to evaluate pediatric velopharyngeal insufficiency. *JAMA Otolaryngology*, **2011**, 137, 258-63		26
31	Focal manipulations of formant trajectories reveal a role of auditory feedback in the online control of both within-syllable and between-syllable speech timing. *Journal of Neuroscience*, **2011**, 31, 16483-90	6.6	59
30	The influence of auditory acuity on acoustic variability and the use of motor equivalence during adaptation to a perturbation. *Journal of Speech, Language, and Hearing Research*, **2011**, 54, 727-39	2.8	18
29	Adaptive auditory feedback control of the production of formant trajectories in the Mandarin triphthong /iau/ and its pattern of generalization. *Journal of the Acoustical Society of America*, **2010**, 128, 2033-48	2.2	51
28	An investigation of the relation between sibilant production and somatosensory and auditory acuity. *Journal of the Acoustical Society of America*, **2010**, 128, 3079-87	2.2	47
27	Evaluation of volume-based and surface-based brain image registration methods. *NeuroImage*, **2010**, 51, 214-20	7.9	194
26	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. *NeuroImage*, **2010**, 53, 85-93	7.9	198
25	A neuroimaging study of premotor lateralization and cerebellar involvement in the production of phonemes and syllables. *Journal of Speech, Language, and Hearing Research*, **2008**, 51, 1183-202	2.8	116

24	Neural modeling and imaging of the cortical interactions underlying syllable production. *Brain and Language*, **2006**, 96, 280-301	2.9	612
23	Mindboggle: automated brain labeling with multiple atlases. *BMC Medical Imaging*, **2005**, 5, 7	2.9	65
22	Representation of sound categories in auditory cortical maps. *Journal of Speech, Language, and Hearing Research*, **2004**, 47, 46-57	2.8	90
21	Region of interest based analysis of functional imaging data. *NeuroImage*, **2003**, 19, 1303-16	7.9	126
20	Asymmetric Functional Gradients in the Human Subcortex		1
19	Open Neuroimaging Laboratory. *Research Ideas and Outcomes*,2, e9113	2.5	12
18	The Brain Imaging Data Structure: a standard for organizing and describing outputs of neuroimaging experiments		5
17	Sharing brain mapping statistical results with the neuroimaging data model		2
16	Linked Data in Neuroscience: Applications, Benefits, and Challenges		3
15	Mindboggling morphometry of human brains		2
14	A multimodal cell census and atlas of the mammalian primary motor cortex		12
13	Functional Gradients of the Cerebellum: A Fundamental Movement-To-Thought Principle		2
12	FMRIPrep: a robust preprocessing pipeline for functional MRI		41
11	Mapping the human subcortical auditory system using histology, post mortem MRI and in vivo MRI at 7T		5
10	Analysis of task-based functional MRI data preprocessed with fMRIPrep		5
9	Graph-based clinical diagnosis and prediction using multi-modal neuroimaging data. *Research Ideas and Outcomes*,2, e8835	2.5	
8	Neurophysiological Vocal Source Modeling for Biomarkers of Disease		2
7	The Healthy Brain Network Serial Scanning Initiative: A resource for evaluating inter-individual differences and their reliabilities across scan conditions and sessions		3

List of Publications

6 BIDS Apps: Improving ease of use, accessibility, and reproducibility of neuroimaging data analysis methods   3

5 The Neurodata Without Borders ecosystem for neurophysiological data science   4

4 TemplateFlow: a community archive of imaging templates and atlases for improved consistency in neuroimaging   2

3 TemplateFlow: FAIR-sharing of multi-scale, multi-species brain models   4

2 The Neuroimaging Data Model Linear Regression Tool (nidm_linreg): PyNIDM Project. *F1000Research*, 11, 228   3.6

1 Connectivity Patterns Evoked by Fearful Faces Demonstrate Reduced Flexibility Across a Shared Dimension of Adolescent Anxiety and Depression. *Clinical Psychological Science*, 216770262210796   6   1