

# Mary Beth Nebel

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

5,339  
citations

236612

25  
h-index

155451

55  
g-index

63  
all docs

63  
docs citations

63  
times ranked

6936  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Prospective Evaluation of Infant Cerebellar-Cerebral Functional Connectivity in Relation to Behavioral Development in Autism Spectrum Disorder. <i>Biological Psychiatry Global Open Science</i> , 2023, 3, 149-161.	1.0	3
2	Beyond Massive Univariate Tests: Covariance Regression Reveals Complex Patterns of Functional Connectivity Related to Attention-Deficit/Hyperactivity Disorder, Age, Sex, and Response Control. <i>Biological Psychiatry Global Open Science</i> , 2022, 2, 8-16.	1.0	5
3	Models of psychedelic drug action: modulation of cortical-subcortical circuits. <i>Brain</i> , 2022, 145, 441-456.	3.7	82
4	Edited magnetic resonance spectroscopy in the neonatal brain. <i>Neuroradiology</i> , 2022, 64, 217-232.	1.1	2
5	Group linear non-Gaussian component analysis with applications to neuroimaging. <i>Computational Statistics and Data Analysis</i> , 2022, 171, 107454.	0.7	0
6	Accounting for motion in resting-state fMRI: What part of the spectrum are we characterizing in autism spectrum disorder?. <i>NeuroImage</i> , 2022, 257, 119296.	2.1	13
7	Psilocybin induces spatially constrained alterations in thalamic functional organization and connectivity. <i>NeuroImage</i> , 2022, 260, 119434.	2.1	9
8	Increased interhemispheric somatomotor functional connectivity and mirror overflow in ADHD. <i>NeuroImage: Clinical</i> , 2021, 31, 102759.	1.4	7
9	A Matrix Autoencoder Framework to Align the Functional and Structural Connectivity Manifolds as Guided by Behavioral Phenotypes. <i>Lecture Notes in Computer Science</i> , 2021, , 625-636.	1.0	5
10	Neuropsychiatric disease classification using functional connectomics - results of the connectomics in neuroimaging transfer learning challenge. <i>Medical Image Analysis</i> , 2021, 70, 101972.	7.0	17
11	Which multiband factor should you choose for your resting-state fMRI study?. <i>NeuroImage</i> , 2021, 234, 117965.	2.1	43
12	Increased integration between default mode and task-relevant networks in children with ADHD is associated with impaired response control. <i>Developmental Cognitive Neuroscience</i> , 2021, 50, 100980.	1.9	16
13	Aberrant prefrontal cortical-striatal functional connectivity in children with primary complex motor stereotypies. <i>Cortex</i> , 2021, 142, 272-282.	1.1	5
14	A Data Driven Approach Reveals That Anomalous Motor System Connectivity is Associated With the Severity of Core Autism Symptoms. <i>Autism Research</i> , 2021, , .	2.1	18
15	Altered Inferior Parietal Functional Connectivity is Correlated with Praxis and Social Skill Performance in Children with Autism Spectrum Disorder. <i>Cerebral Cortex</i> , 2021, 31, 2639-2652.	1.6	20
16	Template Independent Component Analysis: Targeted and Reliable Estimation of Subject-level Brain Networks Using Big Data Population Priors. <i>Journal of the American Statistical Association</i> , 2020, 115, 1151-1177.	1.8	29
17	A joint network optimization framework to predict clinical severity from resting state functional MRI data. <i>NeuroImage</i> , 2020, 206, 116314.	2.1	6
18	Bridging global and local topology in whole-brain networks using the network statistic jackknife. <i>Network Neuroscience</i> , 2020, 4, 70-88.	1.4	4

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19	A Deep-Generative Hybrid Model to Integrate Multimodal and Dynamic Connectivity for Predicting Spectrum-Level Deficits in Autism. <i>Lecture Notes in Computer Science</i> , 2020, , 437-447.	1.0	2
20	A Coupled Manifold Optimization Framework to Jointly Model the Functional Connectomics and Behavioral Data Spaces. <i>Lecture Notes in Computer Science</i> , 2019, , 605-616.	1.0	1
21	Investigating functional brain network integrity using a traditional and novel categorical scheme for neurodevelopmental disorders. <i>NeuroImage: Clinical</i> , 2019, 21, 101678.	1.4	27
22	Parsing Heterogeneity in Autism Spectrum Disorder and Attention-Deficit/Hyperactivity Disorder with Individual Connectome Mapping. <i>Brain Connectivity</i> , 2019, 9, 673-691.	0.8	15
23	Integrating Neural Networks and Dictionary Learning for Multidimensional Clinical Characterizations from Functional Connectomics Data. <i>Lecture Notes in Computer Science</i> , 2019, , 709-717.	1.0	8
24	Improved estimation of subject-level functional connectivity using full and partial correlation with empirical Bayes shrinkage. <i>NeuroImage</i> , 2018, 172, 478-491.	2.1	31
25	ADHD-related sex differences in fronto-subcortical intrinsic functional connectivity and associations with delay discounting. <i>Journal of Neurodevelopmental Disorders</i> , 2018, 10, 34.	1.5	50
26	A Generative-Discriminative Basis Learning Framework to Predict Clinical Severity from Resting State Functional MRI Data. <i>Lecture Notes in Computer Science</i> , 2018, , 163-171.	1.0	4
27	Novel automated morphometric and kinematic handwriting assessment: A validity study in children with ASD and ADHD. <i>Journal of Occupational Therapy, Schools, and Early Intervention</i> , 2017, 10, 185-201.	0.4	9
28	Enhancing studies of the connectome in autism using the autism brain imaging data exchange II. <i>Scientific Data</i> , 2017, 4, 170010.	2.4	422
29	Altered cerebellar connectivity in autism and cerebellar-mediated rescue of autism-related behaviors in mice. <i>Nature Neuroscience</i> , 2017, 20, 1744-1751.	7.1	275
30	The impact of T1 versus EPI spatial normalization templates for fMRI data analyses. <i>Human Brain Mapping</i> , 2017, 38, 5331-5342.	1.9	179
31	Comparing test-retest reliability of dynamic functional connectivity methods. <i>NeuroImage</i> , 2017, 158, 155-175.	2.1	156
32	Response Inhibition Deficits and Altered Motor Network Connectivity in the Chronic Phase of Pediatric Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2017, 34, 3117-3123.	1.7	18
33	PCA leverage: outlier detection for high-dimensional functional magnetic resonance imaging data. <i>Biostatistics</i> , 2017, 18, 521-536.	0.9	22
34	Parallel group independent component analysis for massive fMRI data sets. <i>PLoS ONE</i> , 2017, 12, e0173496.	1.1	8
35	A Unified Bayesian Approach to Extract Network-Based Functional Differences from a Heterogeneous Patient Cohort. <i>Lecture Notes in Computer Science</i> , 2017, , 60-69.	1.0	0
36	Ready, Set, Go! Low Anticipatory Response during a Dyadic Task in Infants at High Familial Risk for Autism. <i>Frontiers in Psychology</i> , 2016, 7, 721.	1.1	27

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37	Heterogeneity of executive functions among comorbid neurodevelopmental disorders. <i>Scientific Reports</i> , 2016, 6, 36566.	1.6	73
38	Atypical lateralization of motor circuit functional connectivity in children with autism is associated with motor deficits. <i>Molecular Autism</i> , 2016, 7, 35.	2.6	115
39	Intrinsic Visual-Motor Synchrony Correlates With Social Deficits in Autism. <i>Biological Psychiatry</i> , 2016, 79, 633-641.	0.7	132
40	Connectivity supporting attention in children with attention deficit hyperactivity disorder. <i>NeuroImage: Clinical</i> , 2015, 7, 68-81.	1.4	66
41	Improving reliability of subject-level resting-state fMRI parcellation with shrinkage estimators. <i>NeuroImage</i> , 2015, 112, 14-29.	2.1	32
42	Neural Correlates of Visuomotor Learning in Autism. <i>Journal of Child Neurology</i> , 2015, 30, 1877-1886.	0.7	29
43	Health Effects of Lesion Localization in Multiple Sclerosis: Spatial Registration and Confounding Adjustment. <i>PLoS ONE</i> , 2014, 9, e107263.	1.1	19
44	Precentral gyrus functional connectivity signatures of autism. <i>Frontiers in Systems Neuroscience</i> , 2014, 8, 80.	1.2	76
45	Evaluating dynamic bivariate correlations in resting-state fMRI: A comparison study and a new approach. <i>NeuroImage</i> , 2014, 101, 531-546.	2.1	309
46	The autism brain imaging data exchange: towards a large-scale evaluation of the intrinsic brain architecture in autism. <i>Molecular Psychiatry</i> , 2014, 19, 659-667.	4.1	1,882
47	Disruption of functional organization within the primary motor cortex in children with autism. <i>Human Brain Mapping</i> , 2014, 35, 567-580.	1.9	185
48	Reduction of motion-related artifacts in resting state fMRI using aCompCor. <i>NeuroImage</i> , 2014, 96, 22-35.	2.1	351
49	Shrinkage prediction of seed-voxel brain connectivity using resting state fMRI. <i>NeuroImage</i> , 2014, 102, 938-944.	2.1	26
50	Quantifying the reliability of image replication studies: The image intraclass correlation coefficient (I2C2). <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2013, 13, 714-724.	1.0	84
51	Automated diagnoses of attention deficit hyperactive disorder using magnetic resonance imaging. <i>Frontiers in Systems Neuroscience</i> , 2012, 6, 61.	1.2	96
52	Perceptual and Neural Response to Affective Tactile Texture Stimulation in Adults with Autism Spectrum Disorders. <i>Autism Research</i> , 2012, 5, 231-244.	2.1	116
53	Temporomandibular Disorder Modifies Cortical Response to Tactile Stimulation. <i>Journal of Pain</i> , 2010, 11, 1083-1094.	0.7	35
54	The Relationship of Self-Reported Pain and Functional Impairment to Gait Mechanics in Overweight and Obese Persons With Knee Osteoarthritis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2009, 90, 1874-1879.	0.5	50

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55	Neuroimaging of Fibromyalgia. <i>Rheumatic Disease Clinics of North America</i> , 2009, 35, 313-327.	0.8	42
56	Direct and indirect effects of fetal irradiation on cortical gray and white matter volume in the macaque. <i>Biological Psychiatry</i> , 2005, 57, 83-90.	0.7	39
57	Validation of semiautomated methods for quantifying cingulate cortical metrics in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2004, 132, 53-68.	0.9	33