Martin A Lindquist

List of Publications by Year
in descending order

100	11,124	66343	36028
papers	citations	42 h-index	97 g-index

108	108	108	12783
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dynamic Functional Brain Connectivity Underlying Temporal Summation of Pain in Fibromyalgia. Arthritis and Rheumatology, 2022, 74, 700-710.	5.6	16
2	Multi-Site Observational Study to Assess Biomarkers for Susceptibility or Resilience to Chronic Pain: The Acute to Chronic Pain Signatures (A2CPS) Study Protocol. Frontiers in Medicine, 2022, 9, 849214.	2.6	4
3	A functional mixed model for scalar on function regression with application to a functional MRI study. Biostatistics, 2021, 22, 439-454.	1.5	2
4	On statistical tests of functional connectome fingerprinting. Canadian Journal of Statistics, 2021, 49, 63-88.	0.9	8
5	Evaluating phase synchronization methods in fMRI: A comparison study and new approaches. NeuroImage, 2021, 228, 117704.	4.2	21
6	Children with attention-deficit/hyperactivity disorder spend more time in hyperconnected network states and less time in segregated network states as revealed by dynamic connectivity analysis. NeuroImage, 2021, 229, 117753.	4.2	35
7	Using Network Parcels and Resting-State Networks to Estimate Correlates of Mood Disorder and Related Research Domain Criteria Constructs of Reward Responsiveness and Inhibitory Control. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, , .	1.5	2
8	Increased integration between default mode and task-relevant networks in children with ADHD is associated with impaired response control. Developmental Cognitive Neuroscience, 2021, 50, 100980.	4.0	16
9	Moderated t-tests for group-level fMRI analysis. NeuroImage, 2021, 237, 118141.	4.2	8
10	Detecting Task-Dependent Functional Connectivity in Group Iterative Multiple Model Estimation with Person-Specific Hemodynamic Response Functions. Brain Connectivity, 2021, 11, 418-429.	1.7	10
11	Identification of the Somatomotor Network from Language Taskâ€“based fMRI Compared with Resting-State fMRI in Patients with Brain Lesions. Radiology, 2021, 301, 178-184.	7.3	7
12	Phase-locking of resting-state brain networks with the gastric basal electrical rhythm. PLoS ONE, 2021, 16, e0244756.	2.5	14
13	Heritability of Functional Connectivity in Resting State: Assessment of the Dynamic Mean, Dynamic Variance, and Static Connectivity across Networks. Cerebral Cortex, 2021, 31, 2834-2844.	2.9	21
14	A Bayesian General Linear Modeling Approach to Cortical Surface fMRI Data Analysis. Journal of the American Statistical Association, 2020, 115, 501-520.	3.1	32
15	Questions and controversies in the study of time-varying functional connectivity in resting fMRI. Network Neuroscience, 2020, 4, 30-69.	2.6	364
16	Neuroimaging results altered by varying analysis pipelines. Nature, 2020, 582, 36-37.	27.8	40
17	Estimating causal effects in studies of human brain function: New models, methods and estimands. Annals of Applied Statistics, 2020, 14, 452-472.	1.1	1
18	The Pain of Sleep Loss: A Brain Characterization in Humans. Journal of Neuroscience, 2019, 39, 2291-2300.	3.6	111

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19	Differential Poststroke Motor Recovery in an Arm Versus Hand Muscle in the Absence of Motor Evoked Potentials. Neurorehabilitation and Neural Repair, 2019, 33, 568-580.	2.9	32
20	Investigating the impact of autocorrelation on time-varying connectivity. NeuroImage, 2019, 197, 37-48.	4.2	17
21	Rethinking interhemispheric imbalance as a target for stroke neurorehabilitation. Annals of Neurology, 2019, 85, 502-513.	5.3	85
22	Modular preprocessing pipelines can reintroduce artifacts into fMRI data. Human Brain Mapping, 2019, 40, 2358-2376.	3.6	159
23	Improved state change estimation in dynamic functional connectivity using hidden semi-Markov models. NeuroImage, 2019, 191, 243-257.	4.2	46
24	Emerging Shifts in Neuroimaging Data Analysis in the Era of â€œBig Dataâ€•, 2019, , 99-118.		2
25	Pain-related nucleus accumbens function: modulation by reward and sleep disruption. Pain, 2019, 160, 1196-1207.	4.2	43
26	High-dimensional multivariate mediation with application to neuroimaging data. Biostatistics, 2018, 19, 121-136.	1.5	76
27	Multivariate machine learning distinguishes cross-network dynamic functional connectivity patterns in state and trait neuropathic pain. Pain, 2018, 159, 1764-1776.	4.2	41
28	Improved estimation of subject-level functional connectivity using full and partial correlation with empirical Bayes shrinkage. NeuroImage, 2018, 172, 478-491.	4.2	31
29	Dynamic Functional Connectivity States Reflecting Psychotic-like Experiences. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2018, 3, 443-453.	1.5	33
30	Exposure-based therapy changes amygdala and hippocampus resting-state functional connectivity in patients with posttraumatic stress disorder. Depression and Anxiety, 2018, 35, 974-984.	4.1	56
31	Connectivity in fMRI: Blind Spots and Breakthroughs. IEEE Transactions on Medical Imaging, 2018, 37, 1537-1550.	8.9	29
32	Group-regularized individual prediction: theory and application to pain. NeuroImage, 2017, 145, 274-287.	4.2	59
33	An M-estimator for reduced-rank system identification. Pattern Recognition Letters, 2017, 86, 76-81.	4.2	6
34	Effect Size Estimation in Neuroimaging. JAMA Psychiatry, 2017, 74, 207.	11.0	96
35	Building better biomarkers: brain models in translational neuroimaging. Nature Neuroscience, 2017, 20, 365-377.	14.8	764
36	Assessing uncertainty in dynamic functional connectivity. NeuroImage, 2017, 149, 165-177.	4.2	45

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37	Quantifying cerebral contributions to pain beyond nociception. Nature Communications, 2017, 8, 14211.	12.8	144
38	Response variability of different anodal transcranial direct current stimulation intensities across multiple sessions. Brain Stimulation, 2017, 10, 757-763.	1.6	91
39	Presurgical Brain Mapping of the Ventral Somatomotor Network in Patients with Brain Tumors Using Resting-State fMRI. American Journal of Neuroradiology, 2017, 38, 1006-1012.	2.4	19
40	Altered resting state functional connectivity of fear and reward circuitry in comorbid PTSD and major depression. Depression and Anxiety, 2017, 34, 641-650.	4.1	71
41	Dynamic Functional Connectivity States Between the Dorsal and Ventral Sensorimotor Networks Revealed by Dynamic Conditional Correlation Analysis of Resting-State Functional Magnetic Resonance Imaging. Brain Connectivity, 2017, 7, 635-642.	1.7	12
42	Big Data and Neuroimaging. Statistics in Biosciences, 2017, 9, 543-558.	1.2	11
43	Comparing test-retest reliability of dynamic functional connectivity methods. NeuroImage, 2017, 158, 155-175.	4.2	156
44	PCA leverage: outlier detection for high-dimensional functional magnetic resonance imaging data. Biostatistics, 2017, 18, 521-536.	1.5	22
45	Parallel group independent component analysis for massive fMRI data sets. PLoS ONE, 2017, 12, e0173496.	2.5	8
46	A Bayesian heteroscedastic GLM with application to fMRI data with motion spikes. NeuroImage, 2017, 155, 354-369.	4.2	12
47	Imaging network level language recovery after left PCA stroke. Restorative Neurology and Neuroscience, 2016, 34, 473-489.	0.7	28
48	Presurgical brain mapping of the language network in patients with brain tumors using restingâ€state f<scp>MRI</scp>: Comparison with task f<scp>MRI</scp>. Human Brain Mapping, 2016, 37, 913-923.	3.6	99
49	Neural changes in extinction recall following prolonged exposure treatment for PTSD: A longitudinal fMRI study. NeuroImage: Clinical, 2016, 12, 715-723.	2.7	87
50	Two-way principal component analysis for matrix-variate data, with an application to functional magnetic resonance imaging data. Biostatistics, 2016, 18, kxw040.	1.5	7
51	From CT to fMRI: Larry Shepp's Impact on Medical Imaging. Annual Review of Statistics and Its Application, 2016, 3, 1-19.	7.0	2
52	Explicit knowledge enhances motor vigor and performance: motivation versus practice in sequence tasks. Journal of Neurophysiology, 2015, 114, 219-232.	1.8	57
53	Dynamic connectivity detection: an algorithm for determining functional connectivity change points in fMRI data. Frontiers in Neuroscience, 2015, 9, 285.	2.8	63
54	Reproducibility and Temporal Structure in Weekly Resting-State fMRI over a Period of 3.5 Years. PLoS ONE, 2015, 10, e0140134.	2.5	97

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55	An fMRI-Based Neural Signature of Decisions to Smoke Cannabis. Neuropsychopharmacology, 2015, 40, 2657-2665.	5.4	22
56	Improving reliability of subject-level resting-state fMRI parcellation with shrinkage estimators. NeuroImage, 2015, 112, 14-29.	4.2	32
57	Zen and the Art of Multiple Comparisons. Psychosomatic Medicine, 2015, 77, 114-125.	2.0	120
58	fslr: Connecting the FSL Software with R. R Journal, 2015, 7, 163-175.	1.8	18
59	Health Effects of Lesion Localization in Multiple Sclerosis: Spatial Registration and Confounding Adjustment. PLoS ONE, 2014, 9, e107263.	2.5	19
60	Scientific rigor and the art of motorcycle maintenance. Nature Biotechnology, 2014, 32, 871-873.	17.5	34
61	Evaluating dynamic bivariate correlations in resting-state fMRI: A comparison study and a new approach. NeuroImage, 2014, 101, 531-546.	4.2	309
62	A hierarchical model for simultaneous detection and estimation in multi-subject fMRI studies. NeuroImage, 2014, 98, 61-72.	4.2	24
63	Causal Inference for fMRI Time Series Data With Systematic Errors of Measurement in a Balanced On/Off Study of Social Evaluative Threat. Journal of the American Statistical Association, 2014, 109, 967-976.	3.1	13
64	Brain mediators of the effects of noxious heat on pain. Pain, 2014, 155, 1632-1648.	4.2	101
65	Shrinkage prediction of seed-voxel brain connectivity using resting state fMRI. NeuroImage, 2014, 102, 938-944.	4.2	26
66	Ironing out the statistical wrinkles in â€œten ironic rulesâ€• NeuroImage, 2013, 81, 499-502.	4.2	51
67	Acute lesions that impair affective empathy. Brain, 2013, 136, 2539-2549.	7.6	134
68	Cloak and DAG: A response to the comments on our comment. NeuroImage, 2013, 76, 446-449.	4.2	8
69	An fMRI-Based Neurologic Signature of Physical Pain. New England Journal of Medicine, 2013, 368, 1388-1397.	27.0	1,294
70	Detecting functional connectivity change points for single-subject fMRI data. Frontiers in Computational Neuroscience, 2013, 7, 143.	2.1	90
71	Functional Causal Mediation Analysis With anÂApplication to Brain Connectivity. Journal of the American Statistical Association, 2012, 107, 1297-1309.	3.1	70
72	Dissociable Influences of Opiates and Expectations on Pain. Journal of Neuroscience, 2012, 32, 8053-8064.	3.6	146

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73	Estimating and testing variance components in a multi-level GLM. NeuroImage, 2012, 59, 490-501.	4.2	39
74	Dynamic connectivity regression: Determining state-related changes in brain connectivity. NeuroImage, 2012, 61, 907-920.	4.2	238
75	Graphical models, potential outcomes and causal inference: Comment on Ramsey, Spirtes and Glymour. NeuroImage, 2011, 57, 334-336.	4.2	16
76	The benefits of rapid 3D fMRI. International Journal of Imaging Systems and Technology, 2010, 20, 14-22.	4.1	2
77	Everything You Never Wanted to Know about Circular Analysis, but Were Afraid to Ask. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 1551-1557.	4.3	190
78	Brain Mediators of Predictive Cue Effects on Perceived Pain. Journal of Neuroscience, 2010, 30, 12964-12977.	3.6	355
79	Neural Correlates of Strategic Processes Underlying Episodic Memory in Women with Major Depression: A¹⁵O-PET Study. Journal of Neuropsychiatry and Clinical Neurosciences, 2010, 22, 218-230.	1.8	3
80	Change point estimation in multi-subject fMRI studies. NeuroImage, 2010, 49, 1581-1592.	4.2	46
81	Adaptive spatial smoothing of fMRI images. Statistics and Its Interface, 2010, 3, 3-13.	0.3	50
82	Correlations and Multiple Comparisons in Functional Imaging: A Statistical Perspective (Commentary) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	9.0	41
83	Logistic Regression With Brownian-Like Predictors. Journal of the American Statistical Association, 2009, 104, 1575-1585.	3.1	63
84	Evaluating the consistency and specificity of neuroimaging data using meta-analysis. NeuroImage, 2009, 45, S210-S221.	4.2	215
85	Modeling the hemodynamic response function in fMRI: Efficiency, bias and mis-modeling. NeuroImage, 2009, 45, S187-S198.	4.2	435
86	Brain mediators of cardiovascular responses to social threat. NeuroImage, 2009, 47, 821-835.	4.2	395
87	Brain mediators of cardiovascular responses to social threat, Part II: Prefrontal-subcortical pathways and relationship with anxiety. NeuroImage, 2009, 47, 836-851.	4.2	270
88	Spatial smoothing in fMRI using prolate spheroidal wave functions. Human Brain Mapping, 2008, 29, 1276-1287.	3.6	26
89	Evaluation of prefrontalâ€“hippocampal effective connectivity following 24 hours of estrogen infusion: An FDG-PET study. Psychoneuroendocrinology, 2008, 33, 1419-1425.	2.7	27
90	Prefrontal-Subcortical Pathways Mediating Successful Emotion Regulation. Neuron, 2008, 59, 1037-1050.	8.1	1,471

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91	Detection of time-varying signals in event-related fMRI designs. NeuroImage, 2008, 43, 509-520.	4.2	243
92	The Statistical Analysis of fMRI Data. Statistical Science, 2008, 23, .	2.8	383
93	Fast functional magnetic resonance imagingâ€"a new approach towards neuroimaging. Statistics and Its Interface, 2008, 1, 13-21.	0.3	2
94	FDG-PET analysis of amygdalar-cortical network covariance during pre- versus post-menopausal estrogen levels: potential relevance to resting state networks, mood, and cognition. Neuroendocrinology Letters, 2008, 29, 467-74.	0.2	7
95	Modeling state-related fMRI activity using change-point theory. NeuroImage, 2007, 35, 1125-1141.	4.2	88
96	Meta-analysis of functional neuroimaging data: current and future directions. Social Cognitive and Affective Neuroscience, 2007, 2, 150-158.	3.0	408
97	Validity and power in hemodynamic response modeling: A comparison study and a new approach. Human Brain Mapping, 2007, 28, 764-784.	3.6	187
98	A generalization of the two-dimensional prolate spheroidal wave function method for nonrectilinear MRI data acquisition methods. IEEE Transactions on Image Processing, 2006, 15, 2792-2804.	9.8	20
99	Optimal data acquisition in fMRI using prolate spheroidal wave functions. International Journal of Imaging Systems and Technology, 2003, 13, 126-132.	4.1	7
100	Fundamentals of Functional Neuroimaging. , 0, , 41-73.		3