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	Prefrontal-Subcortical Pathways Mediating Successful Emotion Regulation. Neuron, 2008, 59, 1037-1050.	8.1	1,471
2	An fMRI-Based Neurologic Signature of Physical Pain. New England Journal of Medicine, 2013, 368, 1388-1397.	27.0	1,294
3	Building better biomarkers: brain models in translational neuroimaging. Nature Neuroscience, 2017, 20, 365-377.	14.8	764
4	Modeling the hemodynamic response function in fMRI: Efficiency, bias and mis-modeling. NeuroImage, 2009, 45, S187-S198.	4.2	435
5	Meta-analysis of functional neuroimaging data: current and future directions. Social Cognitive and Affective Neuroscience, 2007, 2, 150-158.	3.0	408
6	Brain mediators of cardiovascular responses to social threat. NeuroImage, 2009, 47, 821-835.	4.2	395
7	The Statistical Analysis of fMRI Data. Statistical Science, 2008, 23, .	2.8	383
8	Questions and controversies in the study of time-varying functional connectivity in resting fMRI. Network Neuroscience, 2020, 4, 30-69.	2.6	364
9	Brain Mediators of Predictive Cue Effects on Perceived Pain. Journal of Neuroscience, 2010, 30, 12964-12977.	3.6	355
10	Evaluating dynamic bivariate correlations in resting-state fMRI: A comparison study and a new approach. NeuroImage, 2014, 101, 531-546.	4.2	309
11	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
12	Detection of time-varying signals in event-related fMRI designs. NeuroImage, 2008, 43, 509-520.	4.2	243
13	Dynamic connectivity regression: Determining state-related changes in brain connectivity. NeuroImage, 2012, 61, 907-920.	4.2	238
14	Evaluating the consistency and specificity of neuroimaging data using meta-analysis. NeuroImage, 2009, 45, S210-S221.	4.2	215
15	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
16	Validity and power in hemodynamic response modeling: A comparison study and a new approach. Human Brain Mapping, 2007, 28, 764-784.	3.6	187
17	Modular preprocessing pipelines can reintroduce artifacts into fMRI data. Human Brain Mapping, 2019, 40, 2358-2376.	3.6	159
18	Comparing test-retest reliability of dynamic functional connectivity methods. NeuroImage, 2017, 158, 155-175.	4.2	156

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19	Dissociable Influences of Opiates and Expectations on Pain. Journal of Neuroscience, 2012, 32, 8053-8064.	3.6	146
20	Quantifying cerebral contributions to pain beyond nociception. Nature Communications, 2017, 8, 14211.	12.8	144
21	Acute lesions that impair affective empathy. Brain, 2013, 136, 2539-2549.	7.6	134
22	Zen and the Art of Multiple Comparisons. Psychosomatic Medicine, 2015, 77, 114-125.	2.0	120
23	The Pain of Sleep Loss: A Brain Characterization in Humans. Journal of Neuroscience, 2019, 39, 2291-2300.	3.6	111
24	Brain mediators of the effects of noxious heat on pain. Pain, 2014, 155, 1632-1648.	4.2	101
25	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
26	Reproducibility and Temporal Structure in Weekly Resting-State fMRI over a Period of 3.5 Years. PLoS ONE, 2015, 10, e0140134.	2.5	97
27	Effect Size Estimation in Neuroimaging. JAMA Psychiatry, 2017, 74, 207.	11.0	96
28	Response variability of different anodal transcranial direct current stimulation intensities across multiple sessions. Brain Stimulation, 2017, 10, 757-763.	1.6	91
29	Detecting functional connectivity change points for single-subject fMRI data. Frontiers in Computational Neuroscience, 2013, 7, 143.	2.1	90
30	Modeling state-related fMRI activity using change-point theory. NeuroImage, 2007, 35, 1125-1141.	4.2	88
31	Neural changes in extinction recall following prolonged exposure treatment for PTSD: A longitudinal fMRI study. NeuroImage: Clinical, 2016, 12, 715-723.	2.7	87
32	Rethinking interhemispheric imbalance as a target for stroke neurorehabilitation. Annals of Neurology, 2019, 85, 502-513.	5.3	85
33	High-dimensional multivariate mediation with application to neuroimaging data. Biostatistics, 2018, 19, 121-136.	1.5	76
34	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
35	Functional Causal Mediation Analysis With anÂApplication to Brain Connectivity. Journal of the American Statistical Association, 2012, 107, 1297-1309.	3.1	70
36	Logistic Regression With Brownian-Like Predictors. Journal of the American Statistical Association, 2009, 104, 1575-1585.	3.1	63

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37	Dynamic connectivity detection: an algorithm for determining functional connectivity change points in fMRI data. Frontiers in Neuroscience, 2015, 9, 285.	2.8	63
38	Group-regularized individual prediction: theory and application to pain. NeuroImage, 2017, 145, 274-287.	4.2	59
39	Explicit knowledge enhances motor vigor and performance: motivation versus practice in sequence tasks. Journal of Neurophysiology, 2015, 114, 219-232.	1.8	57
40	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
41	Ironing out the statistical wrinkles in â€œten ironic rulesâ€• NeuroImage, 2013, 81, 499-502.	4.2	51
42	Adaptive spatial smoothing of fMRI images. Statistics and Its Interface, 2010, 3, 3-13.	0.3	50
43	Change point estimation in multi-subject fMRI studies. NeuroImage, 2010, 49, 1581-1592.	4.2	46
44	Improved state change estimation in dynamic functional connectivity using hidden semi-Markov models. NeuroImage, 2019, 191, 243-257.	4.2	46
45	Assessing uncertainty in dynamic functional connectivity. NeuroImage, 2017, 149, 165-177.	4.2	45
46	Pain-related nucleus accumbens function: modulation by reward and sleep disruption. Pain, 2019, 160, 1196-1207.	4.2	43
47	Correlations and Multiple Comparisons in Functional Imaging: A Statistical Perspective (Commentary) Tj ETQq1 1 0.784314 rgBT /Ove	9.0	41
48	Multivariate machine learning distinguishes cross-network dynamic functional connectivity patterns in state and trait neuropathic pain. Pain, 2018, 159, 1764-1776.	4.2	41
49	Neuroimaging results altered by varying analysis pipelines. Nature, 2020, 582, 36-37.	27.8	40
50	Estimating and testing variance components in a multi-level GLM. NeuroImage, 2012, 59, 490-501.	4.2	39
51	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
52	Scientific rigor and the art of motorcycle maintenance. Nature Biotechnology, 2014, 32, 871-873.	17.5	34
53	Dynamic Functional Connectivity States Reflecting Psychotic-like Experiences. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2018, 3, 443-453.	1.5	33
54	Improving reliability of subject-level resting-state fMRI parcellation with shrinkage estimators. NeuroImage, 2015, 112, 14-29.	4.2	32

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55	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
56	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
57	Improved estimation of subject-level functional connectivity using full and partial correlation with empirical Bayes shrinkage. NeuroImage, 2018, 172, 478-491.	4.2	31
58	Connectivity in fMRI: Blind Spots and Breakthroughs. IEEE Transactions on Medical Imaging, 2018, 37, 1537-1550.	8.9	29
59	Imaging network level language recovery after left PCA stroke. Restorative Neurology and Neuroscience, 2016, 34, 473-489.	0.7	28
60	Evaluation of prefrontalâ€“hippocampal effective connectivity following 24 hours of estrogen infusion: An FDG-PET study. Psychoneuroendocrinology, 2008, 33, 1419-1425.	2.7	27
61	Spatial smoothing in fMRI using prolate spheroidal wave functions. Human Brain Mapping, 2008, 29, 1276-1287.	3.6	26
62	Shrinkage prediction of seed-voxel brain connectivity using resting state fMRI. NeuroImage, 2014, 102, 938-944.	4.2	26
63	A hierarchical model for simultaneous detection and estimation in multi-subject fMRI studies. NeuroImage, 2014, 98, 61-72.	4.2	24
64	An fMRI-Based Neural Signature of Decisions to Smoke Cannabis. Neuropsychopharmacology, 2015, 40, 2657-2665.	5.4	22
65	PCA leverage: outlier detection for high-dimensional functional magnetic resonance imaging data. Biostatistics, 2017, 18, 521-536.	1.5	22
66	Evaluating phase synchronization methods in fMRI: A comparison study and new approaches. NeuroImage, 2021, 228, 117704.	4.2	21
67	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
68	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
69	Health Effects of Lesion Localization in Multiple Sclerosis: Spatial Registration and Confounding Adjustment. PLoS ONE, 2014, 9, e107263.	2.5	19
70	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
71	fslr: Connecting the FSL Software with R. R Journal, 2015, 7, 163-175.	1.8	18
72	Investigating the impact of autocorrelation on time-varying connectivity. NeuroImage, 2019, 197, 37-48.	4.2	17

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73	Graphical models, potential outcomes and causal inference: Comment on Ramsey, Spirtes and Glymour. NeuroImage, 2011, 57, 334-336.	4.2	16
74	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
75	Dynamic Functional Brain Connectivity Underlying Temporal Summation of Pain in Fibromyalgia. Arthritis and Rheumatology, 2022, 74, 700-710.	5.6	16
76	Phase-locking of resting-state brain networks with the gastric basal electrical rhythm. PLoS ONE, 2021, 16, e0244756.	2.5	14
77	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
78	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
79	A Bayesian heteroscedastic GLM with application to fMRI data with motion spikes. NeuroImage, 2017, 155, 354-369.	4.2	12
80	Big Data and Neuroimaging. Statistics in Biosciences, 2017, 9, 543-558.	1.2	11
81	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
82	Cloak and DAG: A response to the comments on our comment. NeuroImage, 2013, 76, 446-449.	4.2	8
83	Parallel group independent component analysis for massive fMRI data sets. PLoS ONE, 2017, 12, e0173496.	2.5	8
84	On statistical tests of functional connectome fingerprinting. Canadian Journal of Statistics, 2021, 49, 63-88.	0.9	8
85	Moderated t-tests for group-level fMRI analysis. NeuroImage, 2021, 237, 118141.	4.2	8
86	Optimal data acquisition in fMRI using prolate spheroidal wave functions. International Journal of Imaging Systems and Technology, 2003, 13, 126-132.	4.1	7
87	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
88	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
89	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
90	An M-estimator for reduced-rank system identification. Pattern Recognition Letters, 2017, 86, 76-81.	4.2	6

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91	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
92	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
93	Fundamentals of Functional Neuroimaging. , 0, , 41-73.		3
94	The benefits of rapid 3D fMRI. International Journal of Imaging Systems and Technology, 2010, 20, 14-22.	4.1	2
95	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
96	A functional mixed model for scalar on function regression with application to a functional MRI study. Biostatistics, 2021, 22, 439-454.	1.5	2
97	Emerging Shifts in Neuroimaging Data Analysis in the Era of â€œBig Dataâ€•. , 2019, , 99-118.		2
98	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
99	Fast functional magnetic resonance imagingâ€”a new approach towards neuroimaging. Statistics and Its Interface, 2008, 1, 13-21.	0.3	2
100	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