Brian S Caffo

List of Publications by Year
in descending order

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65 papers	2,148 citations	318942 23 h-index	299063 42 g-index
73 all docs	73 docs citations	73 times ranked	4450 citing authors

#	Article	IF	Citations
1	Neural regions underlying object and action naming: complementary evidence from acute stroke and primary progressive aphasia. Aphasiology, 2022, 36, 732-760.	1.4	20
2	Neural correlates of syntactic comprehension: A longitudinal study. Brain and Language, 2022, 225, 105068.	0.8	1
3	Two-stage linked component analysis for joint decomposition of multiple biologically related data sets. Biostatistics, 2022, 23, 1200-1217.	0.9	3
4	B â€value and empirical equivalence bound: A new procedure of hypothesis testing. Statistics in Medicine, 2022, , .	0.8	1
5	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.	1.2	4
6	A Unified Framework on Generalizability of Clinical Prediction Models. Frontiers in Artificial Intelligence, 2022, 5, 872720.	2.0	2
7	Covariate Assisted Principal regression for covariance matrix outcomes. Biostatistics, 2021, 22, 629-645.	0.9	17
8	Semiparametric partial common principal component analysis for covariance matrices. Biometrics, 2021, 77, 1175-1186.	0.8	2
9	A wholeâ€brain modeling approach to identify individual and group variations in functional connectivity. Brain and Behavior, 2021, 11, e01942.	1.0	5
10	White Matter Integrity Predicts Electrical Stimulation (tDCS) and Language Therapy Effects in Primary Progressive Aphasia. Neurorehabilitation and Neural Repair, 2021, 35, 44-57.	1.4	22
11	Examining the Safety, Pharmacokinetics, and Pharmacodynamics of a Rectally Administered IQP-0528 Gel for HIV Pre-Exposure Prophylaxis: A First-In-Human Study. AIDS Research and Human Retroviruses, 2021, 37, 444-452.	0.5	7
12	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, , .	1.1	2
13	Default mode network connectivity and cognition in the aging brain: the effects of age, sex, and APOE genotype.. Neurobiology of Aging, 2021, 104, 10-23.	1.5	12
14	Phase-locking of resting-state brain networks with the gastric basal electrical rhythm. PLoS ONE, 2021, 16, e0244756.	1.1	14
15	The Democratization of Data Science Education. American Statistician, 2020, 74, 1-7.	0.9	21
16	Sparse principal component based high-dimensional mediation analysis. Computational Statistics and Data Analysis, 2020, 142, 106835.	0.7	30
17	Brain volumes as predictors of tDCS effects in primary progressive aphasia. Brain and Language, 2020, 200, 104707.	0.8	31
18	Learning of skilled movements via imitation in ASD. Autism Research, 2020, 13, 777-784.	2.1	16

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19	Cognitive and language performance predicts effects of spelling intervention and tDCS in Primary Progressive Aphasia. Cortex, 2020, 124, 66-84.	1.1	22
20	Machine learning to predict transplant outcomes: helpful or hype? A national cohort study. Transplant International, 2020, 33, 1472-1480.	0.8	23
21	Rxnat: An Open-Source R Package for XNAT-Based Repositories. Frontiers in Neuroinformatics, 2020, 14, 572068.	1.3	1
22	Using deep Siamese neural networks for detection of brain asymmetries associated with Alzheimer's Disease and Mild Cognitive Impairment. Magnetic Resonance Imaging, 2019, 64, 190-199.	1.0	56
23	â€œThe effect of tDCS on functional connectivity in primary progressive aphasiaâ€•NeuroImage: Clinical, volume 19 (2018), pages 703â€“715. NeuroImage: Clinical, 2019, 22, 101734.	1.4	3
24	Neuroconductor: an R platform for medical imaging analysis. Biostatistics, 2019, 20, 218-239.	0.9	43
25	Modular preprocessing pipelines can reintroduce artifacts into fMRI data. Human Brain Mapping, 2019, 40, 2358-2376.	1.9	159
26	Improved state change estimation in dynamic functional connectivity using hidden semi-Markov models. NeuroImage, 2019, 191, 243-257.	2.1	46
27	Mixed effect machine learning: A framework for predicting longitudinal change in hemoglobin A1c. Journal of Biomedical Informatics, 2019, 89, 56-67.	2.5	55
28	Bias in Neuroradiology Peer Review: Impact of a â€œDingâ€•on â€œDingingâ€•Others. American Journal of Neuroradiology, 2019, 40, 19-24.	1.2	5
29	The effect of tDCS on functional connectivity in primary progressive aphasia. NeuroImage: Clinical, 2018, 19, 703-715.	1.4	57
30	Decoupling of reaction time-related default mode network activity with cognitive demand. Brain Imaging and Behavior, 2017, 11, 666-676.	1.1	10
31	An M-estimator for reduced-rank system identification. Pattern Recognition Letters, 2017, 86, 76-81.	2.6	6
32	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.	1.2	19
33	A Parcellation Based Nonparametric Algorithm for Independent Component Analysis with Application to fMRI Data. Frontiers in Neuroscience, 2016, 10, 15.	1.4	5
34	Ten Simple Rules for Effective Statistical Practice. PLoS Computational Biology, 2016, 12, e1004961.	1.5	69
35	A Multicenter Longitudinal Study of Hospital-Onset Bacteremia: Time for a New Quality Outcome Measure?. Infection Control and Hospital Epidemiology, 2016, 37, 143-148.	1.0	42
36	On tests of activation map dimensionality for fMRI-based studies of learning. Frontiers in Neuroscience, 2015, 9, 85.	1.4	1

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37	Reproducibility and Temporal Structure in Weekly Resting-State fMRI over a Period of 3.5 Years. PLoS ONE, 2015, 10, e0140134.	1.1	97
38	Simultaneous Evaluation of Safety, Acceptability, Pericoital Kinetics, and Ex Vivo Pharmacodynamics Comparing Four Rectal Microbicide Vehicle Candidates. AIDS Research and Human Retroviruses, 2015, 31, 1089-1097.	0.5	12
39	Objective evaluation of reconstruction methods for quantitative SPECT imaging in the absence of ground truth. Proceedings of SPIE, 2015, 9416, 94161K.	0.8	4
40	Connectivity supporting attention in children with attention deficit hyperactivity disorder. NeuroImage: Clinical, 2015, 7, 68-81.	1.4	66
41	Association of Cortical Lesion Burden on 7-T Magnetic Resonance Imaging With Cognition and Disability in Multiple Sclerosis. JAMA Neurology, 2015, 72, 1004.	4.5	140
42	Resting brain activity in disorders of consciousness. Neurology, 2015, 84, 1272-1280.	1.5	136
43	Motor overflow in children with attention-deficit/hyperactivity disorder is associated with decreased extent of neural activation in the motor cortex. Psychiatry Research - Neuroimaging, 2015, 233, 488-495.	0.9	29
44	Fluoxetine Maintains a State of Heightened Responsiveness to Motor Training Early After Stroke in a Mouse Model. Stroke, 2015, 46, 2951-2960.	1.0	75
45	A Phase 1 Randomized, Blinded Comparison of the Pharmacokinetics and Colonic Distribution of Three Candidate Rectal Microbicide Formulations of Tenofovir 1% Gel with Simulated Unprotected Sex (CHARM-02). AIDS Research and Human Retroviruses, 2015, 31, 1098-1108.	0.5	20
46	Neural Correlates of Visuomotor Learning in Autism. Journal of Child Neurology, 2015, 30, 1877-1886.	0.7	29
47	A Unifying Framework for Marginalised Random€Intercept Models of Correlated Binary Outcomes. International Statistical Review, 2014, 82, 275-295.	1.1	3
48	Reduction of motion-related artifacts in resting state fMRI using aCompCor. NeuroImage, 2014, 96, 22-35.	2.1	351
49	Analytic Programming with fMRI Data: A Quick-Start Guide for Statisticians Using R. PLoS ONE, 2014, 9, e89470.	1.1	7
50	Ironing out the statistical wrinkles in €œten ironic rules€. NeuroImage, 2013, 81, 499-502.	2.1	51
51	Information Criteria for Dynamic Contrast-Enhanced Magnetic Resonance Imaging. , 2013, , .		1
52	Correction to €œEasy Multiplicity Control in Equivalence Testing Using Two One-Sided Tests€. American Statistician, 2013, 67, 115-116.	0.9	5
53	Practical marginalized multilevel models. Stat, 2013, 2, 129-142.	0.3	15
54	Isoosmolar Enemas Demonstrate Preferential Gastrointestinal Distribution, Safety, and Acceptability Compared with Hyperosmolar and Hypoosmolar Enemas as a Potential Delivery Vehicle for Rectal Microbicides. AIDS Research and Human Retroviruses, 2013, 29, 1487-1495.	0.5	39

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55	Distribution of Cell-Free and Cell-Associated HIV Surrogates in the Colon After Simulated Receptive Anal Intercourse in Men Who Have Sex With Men. Journal of Acquired Immune Deficiency Syndromes (1999), 2012, 59, 10-17.	0.9	34
56	Population Value Decomposition, a Framework for the Analysis of Image Populations. Journal of the American Statistical Association, 2011, 106, 775-790.	1.8	45
57	Nonlinear tube-fitting for the analysis of anatomical and functional structures. Annals of Applied Statistics, 2011, 5, 337-363.	0.5	11
58	A Novel Approach to Prediction of Mild Obstructive Sleep Disordered Breathing in a Population-Based Sample: The Sleep Heart Health Study. Sleep, 2010, 33, 1641-1648.	0.6	37
59	Two-stage decompositions for the analysis of functional connectivity for fMRI with application to Alzheimer's disease risk. NeuroImage, 2010, 51, 1140-1149.	2.1	30
60	Are Brain Volumes based on Magnetic Resonance Imaging Mediators of the Associations of Cumulative Lead Dose with Cognitive Function?. American Journal of Epidemiology, 2008, 167, 429-437.	1.6	23
61	A Case Study in Pharmacologic Colon Imaging Using Principal Curves in Single-Photon Emission Computed Tomography. Journal of the American Statistical Association, 2008, 103, 1470-1480.	1.8	18
62	Optimal sampling times in bioequivalence studies using a simulated annealing algorithm. Statistics and Computing, 2007, 17, 337-347.	0.8	4
63	A User-Friendly Introduction to Link-Probit-Normal Models. American Statistician, 2006, 60, 139-145.	0.9	11
64	A Markov chain Monte Carlo Algorithm for Approximating Exact Conditional Probabilities. Journal of Computational and Graphical Statistics, 2001, 10, 730-745.	0.9	18
65	Regularized regression on compositional trees with application to MRI analysis. Journal of the Royal Statistical Society Series C: Applied Statistics, 0, , .	0.5	0