# Mark Fiecas

List of Publications by Year
in descending order

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|---|---|---|---|
| 37 papers | 898 citations | 567281 15 h-index | 501196 28 g-index |
| 40 all docs | 40 docs citations | 40 times ranked | 1842 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Genetic topography of brain morphology. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17089-17094. | 7.1 | 197 |
| 2 | Functional connectivity: Shrinkage estimation and randomization test. NeuroImage, 2010, 49, 3005-3014. | 4.2 | 68 |
| 3 | Quantifying temporal correlations: A test–retest evaluation of functional connectivity in resting-state fMRI. NeuroImage, 2013, 65, 231-241. | 4.2 | 65 |
| 4 | The generalized shrinkage estimator for the analysis of functional connectivity of brain signals. Annals of Applied Statistics, 2011, 5, . | 1.1 | 43 |
| 5 | Changes in Sleep Duration, Quality, and Medication Use Are Prospectively Associated With Health and Well-being: Analysis of the UK Household Longitudinal Study. Sleep, 2017, 40, . | 1.1 | 43 |
| 6 | Modeling the Evolution of Dynamic Brain Processes During an Associative Learning Experiment. Journal of the American Statistical Association, 2016, 111, 1440-1453. | 3.1 | 42 |
| 7 | Regional areas and widths of the midsagittal corpus callosum among HIV-infected patients on stable antiretroviral therapies. Journal of NeuroVirology, 2011, 17, 368-379. | 2.1 | 40 |
| 8 | Cognitive reserve moderates the association between hippocampal volume and episodic memory in middle age. Neuropsychologia, 2013, 51, 1124-1131. | 1.6 | 38 |
| 9 | Statistical models for brain signals with properties that evolve across trials. NeuroImage, 2018, 180, 609-618. | 4.2 | 38 |
| 10 | Is bigger always better? The importance of cortical configuration with respect to cognitive ability. NeuroImage, 2016, 129, 356-366. | 4.2 | 36 |
| 11 | Transcranial direct current stimulation (tDCS) elicits stimulus-specific enhancement of cortical plasticity. NeuroImage, 2020, 211, 116598. | 4.2 | 32 |
| 12 | Hierarchical vector auto-regressive models and their applications to multi-subject effective connectivity. Frontiers in Computational Neuroscience, 2013, 7, 159. | 2.1 | 26 |
| 13 | A variance components model for statistical inference on functional connectivity networks. NeuroImage, 2017, 149, 256-266. | 4.2 | 20 |
| 14 | A longitudinal model for functional connectivity networks using resting-state fMRI. NeuroImage, 2018, 178, 687-701. | 4.2 | 20 |
| 15 | White Matter Microstructure in Adolescents and Young Adults With Non-Suicidal Self-Injury. Frontiers in Psychiatry, 2019, 10, 1019. | 2.6 | 18 |
| 16 | High–Frequency Oscillations in the Pallidum: A Pathophysiological Biomarker in Parkinson's Disease?. Movement Disorders, 2021, 36, 1332-1341. | 3.9 | 17 |
| 17 | Data-driven shrinkage of the spectral density matrix of a high-dimensional time series. Electronic Journal of Statistics, 2014, 8, . | 0.7 | 15 |
| 18 | Brain entropy and neurotrophic molecular markers accompanying clinical improvement after ketamine: Preliminary evidence in adolescents with treatment-resistant depression. Journal of Psychopharmacology, 2021, 35, 168-177. | 4.0 | 15 |

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|---|---------|----|-----------|
| 19 | Shrinkage Estimation for Multivariate Hidden Markov Models. Journal of the American Statistical Association, 2017, 112, 424-435. | 3.1 | 14 |
| 20 | Using novel mobile sensors to assess stress and smoking lapse. International Journal of Psychophysiology, 2020, 158, 411-418. | 1.0 | 13 |
| 21 | Spectral analysis of high-dimensional time series. Electronic Journal of Statistics, 2019, 13, . | 0.7 | 13 |
| 22 | Time-dependent mucoadhesion of conjugated bioadhesive polymers. Colloids and Surfaces B: Biointerfaces, 2019, 173, 454-469. | 5.0 | 12 |
| 23 | Network topology changes in chronic mild traumatic brain injury (mTBI). NeuroImage: Clinical, 2021, 31, 102691. | 2.7 | 12 |
| 24 | Bayesian Model Search for Nonstationary Periodic Time Series. Journal of the American Statistical Association, 2020, 115, 1320-1335. | 3.1 | 11 |
| 25 | Neural and Behavioral Correlates of Clinical Improvement to Ketamine in Adolescents With Treatment Resistant Depression. Frontiers in Psychiatry, 2020, 11, 820. | 2.6 | 9 |
| 26 | Permutation-based inference for spatially localized signals in longitudinal MRI data. NeuroImage, 2021, 239, 118312. | 4.2 | 9 |
| 27 | Similar Genetic Architecture of Alzheimer's Disease and Differential APOE Effect Between Sexes. Frontiers in Aging Neuroscience, 2021, 13, 674318. | 3.4 | 8 |
| 28 | CLEAN: Leveraging spatial autocorrelation in neuroimaging data in clusterwise inference. NeuroImage, 2022, 255, 119192. | 4.2 | 7 |
| 29 | A Bayesian latent spatial model for mapping the cortical signature of progression to Alzheimer's disease. Canadian Journal of Statistics, 2021, 49, 46-62. | 0.9 | 4 |
| 30 | Effects of regular cannabis and nicotine use on acute stress responses: chronic nicotine, but not cannabis use, is associated with blunted adrenocortical and cardiovascular responses to stress. Psychopharmacology, 2022, 239, 1551-1561. | 3.1 | 4 |
| 31 | Bayesian GWAS with Structured and Non-Local Priors. Bioinformatics, 2020, 36, 17-25. | 4.1 | 3 |
| 32 | A nonparametric Bayesian model for estimating spectral densities of resting-state EEG twin data. Biometrics, 2022, 78, 313-323. | 1.4 | 3 |
| 33 | Identifying the recurrence of sleep apnea using a harmonic hidden Markov model. Annals of Applied Statistics, 2021, 15, 1171-1193. | 1.1 | 2 |
| 34 | Semiparametric modeling of time-varying activation and connectivity in task-based fMRI data. Computational Statistics and Data Analysis, 2020, 150, 107006. | 1.2 | 1 |
| 35 | Bayesian longitudinal spectral estimation with application to resting-state fMRI data analysis. Econometrics and Statistics, 2020, 15, 104-116. | 0.8 | 0 |
| 36 | A grouped beta process model for multivariate resting-state EEG microstate analysis on twins. Canadian Journal of Statistics, 2021, 49, 89-106. | 0.9 | 0 |

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|---|---------|----|-----------|
| 37 | Bayesian Approximations to Hidden Semi-Markov Models for Telemetric Monitoring of Physical Activity. Bayesian Analysis, 2023, 18, . | 3.0 | 0 |