

Idris A Eckley

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

2,583
citations

933447

10
h-index

552781

26
g-index

29
all docs

29
docs citations

29
times ranked

3630
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Detection of Changepoints With a Linear Computational Cost. Journal of the American Statistical Association, 2012, 107, 1590-1598.	3.1	1,367
2	changepoint: An <i>R</i> Package for Changepoint Analysis. Journal of Statistical Software, 2014, 58, .	3.7	772
3	A computationally efficient nonparametric approach for changepoint detection. Statistics and Computing, 2017, 27, 1293-1305.	1.5	86
4	Analysis of changepoint models. , 2011, , 205-224.		68
5	Computationally Efficient Changepoint Detection for a Range of Penalties. Journal of Computational and Graphical Statistics, 2017, 26, 134-143.	1.7	60
6	Estimating Time-Evolving Partial Coherence Between Signals via Multivariate Locally Stationary Wavelet Processes. IEEE Transactions on Signal Processing, 2014, 62, 5240-5250.	5.3	41
7	A wavelet-based approach for detecting changes in second order structure within nonstationary time series. Electronic Journal of Statistics, 2013, 7, .	0.7	27
8	Efficient computation of the discrete autocorrelation wavelet inner product matrix. Statistics and Computing, 2005, 15, 83-92.	1.5	22
9	Most Recent Changepoint Detection in Panel Data. Technometrics, 2019, 61, 88-98.	1.9	19
10	Innovative and Additive Outlier Robust Kalman Filtering With a Robust Particle Filter. IEEE Transactions on Signal Processing, 2022, 70, 47-56.	5.3	14
11	A Test of Stationarity for Textured Images. Technometrics, 2014, 56, 291-301.	1.9	12
12	A wavelet-based approach for imputation in nonstationary multivariate time series. Statistics and Computing, 2021, 31, 1.	1.5	9
13	Subset Multivariate Collective and Point Anomaly Detection. Journal of Computational and Graphical Statistics, 2022, 31, 574-585.	1.7	9
14	A linear time method for the detection of collective and point anomalies. Statistical Analysis and Data Mining, 2022, 15, 494-508.	2.8	9
15	A Note on the Effect of Wavelet Choice on the Estimation of the Evolutionary Wavelet Spectrum. Communications in Statistics Part B: Simulation and Computation, 2013, 42, 393-406.	1.2	8
16	Parallelization of a Common Changepoint Detection Method. Journal of Computational and Graphical Statistics, 2020, 29, 149-161.	1.7	8
17	The Uncertainty of Storm Season Changes: Quantifying the Uncertainty of Autocovariance Changepoints. Technometrics, 2015, 57, 194-206.	1.9	7
18	Estimating the population local wavelet spectrum with application to nonstationary functional magnetic resonance imaging time series. Statistics in Medicine, 2015, 34, 3901-3915.	1.6	6

#	ARTICLE	IF	CITATIONS
19	Scalable change-point and anomaly detection in cross-correlated data with an application to condition monitoring. <i>Annals of Applied Statistics</i> , 2022, 16, .	1.1	6
20	Multivariate locally stationary 2D wavelet processes with application to colour texture analysis. <i>Statistics and Computing</i> , 2017, 27, 1129-1143.	1.5	5
21	Dynamic classification using multivariate locally stationary wavelet processes. <i>Signal Processing</i> , 2018, 152, 118-129.	3.7	5
22	A nonparametric approach to detecting changes in variance in locally stationary time series. <i>Environmetrics</i> , 2020, 31, e2576.	1.4	5
23	Dynamic detection of anomalous regions within distributed acoustic sensing data streams using locally stationary wavelet time series. <i>Data Mining and Knowledge Discovery</i> , 2019, 33, 748-772.	3.7	4
24	BayesProject: Fast computation of a projection direction for multivariate changepoint detection. <i>Statistics and Computing</i> , 2020, 30, 1691-1705.	1.5	4
25	Divisive clustering of high dimensional data streams. <i>Statistics and Computing</i> , 2016, 26, 1101-1120.	1.5	3
26	A computationally efficient, high-dimensional multiple changepoint procedure with application to global terrorism incidence. <i>Journal of the Royal Statistical Society Series A: Statistics in Society</i> , 0, , .	1.1	3
27	Minimum spectral connectivity projection pursuit. <i>Statistics and Computing</i> , 2019, 29, 391-414.	1.5	2
28	Real time anomaly detection and categorisation. <i>Statistics and Computing</i> , 2022, 32, .	1.5	2
29	A test for the absence of aliasing or local white noise in locally stationary wavelet time series. <i>Biometrika</i> , 2018, , .	2.4	0