David Looney

List of Publications by Year in descending order

33 papers	1,729 citations	394421 19 h-index	642732 23 g-index
34 all docs	34 docs citations	34 times ranked	1632 citing authors

#	Article	IF	Citations
1	A Novel Multivariate Sample Entropy Algorithm for Modeling Time Series Synchronization. Entropy, 2018, 20, 82.	2.2	19
2	Hearables: Multimodal physiological in-ear sensing. Scientific Reports, 2017, 7, 6948.	3.3	107
3	Complexity science for sleep stage classification from EEG. , 2017, , .		18
4	Physiological artifacts in scalp EEG and ear-EEG. BioMedical Engineering OnLine, 2017, 16, 103.	2.7	48
5	Wearable In-Ear Encephalography Sensor for Monitoring Sleep. Preliminary Observations from Nap Studies. Annals of the American Thoracic Society, 2016, 13, 2229-2233.	3.2	60
6	Smart Helmet: Wearable Multichannel ECG and EEG. IEEE Journal of Translational Engineering in Health and Medicine, 2016, 4, 1-11.	3.7	66
7	Discriminating Multiple Emotional States from EEG Using a Data-Adaptive, Multiscale Information-Theoretic Approach. International Journal of Neural Systems, 2016, 26, 1650005.	5.2	34
8	Adaptive-projection intrinsically transformed multivariate empirical mode decomposition in cooperative brainâ€“computer interface applications. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150199.	3.4	32
9	In-Ear EEG From Viscoelastic Generic Earpieces: Robust and Unobtrusive 24/7 Monitoring. IEEE Sensors Journal, 2016, 16, 271-277.	4.7	143
10	EarEEG based visual P300 Brain-Computer Interface. , 2015, , .		1
11	Intrinsic multi-scale analysis: a multi-variate empirical mode decomposition framework. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2015, 471, 20140709.	2.1	40
12	Nonuniformly sampled trivariate empirical mode decomposition. , 2015, , .		8
13	Co-Located Multimodal Sensing: A Next Generation Solution for Wearable Health. IEEE Sensors Journal, 2015, 15, 138-145.	4.7	23
14	Synchrosqueezing-based time-frequency analysis of multivariate data. Signal Processing, 2015, 106, 331-341.	3.7	116
15	MULTIVARIATE EXTENSIONS OF EMPIRICAL MODE DECOMPOSITION. Interdisciplinary Mathematical Sciences, 2014, , 47-67.	0.4	1
16	A method for quantitative assessment of artifacts in EEG, and an empirical study of artifacts. , 2014, 2014, 1686-90.		10
17	Multimodal physiological sensor for motion artefact rejection. , 2014, 2014, 2753-6.		4
18	Subspace denoising of EEG artefacts via multivariate EMD. , 2014, , .		10

#	Article	IF	Citations
19	Ear-EEG: Continuous Brain Monitoring. Springer Briefs in Electrical and Computer Engineering, 2014, , 63-71.	0.5	6
20	Adaptive Multiscale Time-Frequency Analysis. , 2014, , 745-762.		1
21	Classification of Motor Imagery BCI Using Multivariate Empirical Mode Decomposition. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2013, 21, 10-22.	4.9	194
22	Complexity of physiological responses decreases in high-stress musical performance. Journal of the Royal Society Interface, 2013, 10, 20130719.	3.4	45
23	A Study of Evoked Potentials From Ear-EEG. IEEE Transactions on Biomedical Engineering, 2013, 60, 2824-2830.	4.2	151
24	The In-the-Ear Recording Concept: User-Centered and Wearable Brain Monitoring. IEEE Pulse, 2012, 3, 32-42.	0.3	192
25	Phase-based brain consciousness analysis. , 2012, 2012, 1032-5.		1
26	Identification of Defective Areas in Composite Materials by Bivariate EMD Analysis of Ultrasound. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 221-232.	4.7	34
27	Time-Frequency Analysis of EEG Asymmetry Using Bivariate Empirical Mode Decomposition. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2011, 19, 366-373.	4.9	84
28	The complex local mean decomposition. Neurocomputing, 2011, 74, 867-875.	5.9	55
29	Bivariate EMD analysis for aircraft component inspection. , 2010, , .		1
30	Towards estimating selective auditory attention from EEG using a novel time-frequency-synchronisation framework. , 2010, , .		7
31	Defective Areas Identification in Aircraft Components by Bivariate EMD Analysis of Ultrasound Signals. Lecture Notes in Computer Science, 2010, , 219-230.	1.3	1
32	Multiscale Image Fusion Using Complex Extensions of EMD. IEEE Transactions on Signal Processing, 2009, 57, 1626-1630.	5.3	168
33	Ocular Artifacts Removal from EEG Using EMD. , 2008, , 831-835.		21