

Ravi Sankar

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8237488/ravi-sankar-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

73
papers

1,737
citations

15
h-index

41
g-index

102
ext. papers

2,141
ext. citations

4
avg, IF

5.14
L-index

#	Paper	IF	Citations
73	Diagnosis of Parkinson's disease using higher order statistical analysis of alpha and beta rhythms. <i>Biomedical Signal Processing and Control</i> , 2022 , 77, 103743	4.9	
72	Novel Unsupervised Feature Extraction Protocol using Autoencoders for Connected Speech: Application in Parkinson's Disease Classification 2021 ,		1
71	Novel Catheter Multiscope: A Feasibility Study. <i>IEEE Transactions on Biomedical Engineering</i> , 2021 , 68, 606-615	5	
70	Classification of the stages of Parkinson's disease using novel higher-order statistical features of EEG signals. <i>Neural Computing and Applications</i> , 2021 , 33, 7615-7627	4.8	2
69	A novel pitch cycle detection algorithm for tele monitoring applications 2020 ,		1
68	Information Dissemination From Social Network for Extreme Weather Scenario. <i>IEEE Transactions on Computational Social Systems</i> , 2020 , 7, 319-328	4.5	5
67	Applications of Higher Order Statistics in Electroencephalography Signal Processing: A Comprehensive Survey. <i>IEEE Reviews in Biomedical Engineering</i> , 2020 , 13, 169-183	6.4	10
66	A Collusion-Resistant Identity-Based Proxy Reencryption Scheme with Ciphertext Evolution for Secure Cloud Sharing. <i>Security and Communication Networks</i> , 2020 , 2020, 1-16	1.9	1
65	Classification of Parkinson's disease Using Pitch Synchronous Speech Analysis. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2018 , 2018, 1420-1423	0.9	2
64	Trends in fetal monitoring through phonocardiography: Challenges and future directions. <i>Biomedical Signal Processing and Control</i> , 2017 , 33, 289-305	4.9	37
63	A novel acoustic catheter stethoscope based acquisition and signal processing framework to extract multiple bio signals. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2017 , 2017, 1336-1339	0.9	2
62	Complex Network Approach for Power Grids Vulnerability and Large Area Blackout. <i>Lecture Notes in Computer Science</i> , 2016 , 206-213	0.9	1
61	Gait and tremor assessment for patients with Parkinson's disease using wearable sensors. <i>ICT Express</i> , 2016 , 2, 168-174	4.9	55
60	Gait monitoring system for patients with Parkinson's disease using wearable sensors 2016 ,		8
59	Throughput and delay of single-hop and two-hop aeronautical communication networks. <i>Journal of Communications and Networks</i> , 2015 , 17, 58-66	4.1	12
58	An effect of phase noise for an indoor wireless system. <i>Information Systems</i> , 2015 , 48, 262-266	2.7	
57	An Intrusion Detection System Based on Multi-Level Clustering for Hierarchical Wireless Sensor Networks. <i>Sensors</i> , 2015 , 15, 28960-78	3.8	15

56	PCAC: Power- and Connectivity-Aware Clustering for Wireless Sensor Networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2015 , 2015,	3.2	5
55	Universal Nonhierarchical Automatic Modulation Recognition Techniques For Distinguishing Bandpass Modulated Waveforms Based On Signal Statistics, Cumulant, Cyclostationary, Multifractal And Fourier-Wavelet Transforms Features 2014 ,		7
54	Signal processing techniques for atrial fibrillation source detection. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 2821-4	0.9	1
53	A Survey of Intrusion Detection Systems in Wireless Sensor Networks. <i>IEEE Communications Surveys and Tutorials</i> , 2014 , 16, 266-282	37.1	467
52	Text dependent speaker recognition using shifted MFCC 2013 ,		1
51	Constrained Motion Particle Swarm Optimization and Support Vector Regression for Non-linear Time Series Regression and Prediction Applications 2013 ,		5
50	Polarization-based cooperative directional MAC protocol for ad hoc networks. <i>Ad Hoc Networks</i> , 2013 , 11, 1522-1538	4.8	4
49	Buffer-aware packet scheduling in downlink multiuser systems 2013 ,		1
48	Adaptive-Rate Transmission With Opportunistic Scheduling in Wireless Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2013 , 62, 1409-1415	6.8	3
47	Improved transient weather reporting using people centric sensing 2013 ,		3
46	Automatic Modulation Recognition techniques based on cyclostationary and multifractal features for distinguishing LFM, PWM and PPM waveforms used in radar systems as example of artificial intelligence implementation in test 2012 ,		6
45	Hybrid cooperative MAC protocol for wireless ad hoc networks 2012 ,		2
44	Throughput and delay analysis in Aeronautical Data Networks 2012 ,		2
43	Performance evaluation of flexible TDD switching in 3GPP LTE system 2012 ,		6
42	Text dependent speaker recognition using shifted MFCC 2012 ,		1
41	Intrusion prevention with two-level user authentication in heterogeneous wireless sensor networks. <i>International Journal of Security and Networks</i> , 2012 , 7, 107	0.5	14
40	A New Single Trial P300 Classification Method. <i>International Journal of E-Health and Medical Communications</i> , 2012 , 3, 31-41	1.4	2
39	Advances and Challenges in Signal Analysis for Single Trial P300-BCI. <i>Lecture Notes in Computer Science</i> , 2011 , 87-94	0.9	2

38	Two-Relay-Based Cooperative MAC Protocol for Wireless Ad hoc Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2011 , 60, 3361-3373	6.8	36
37	Coherence time-based cooperative MAC protocol 1 for wireless ad hoc networks. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2011 , 2011,	3.2	5
36	Throughput analysis in Aeronautical Data Networks 2011 ,		2
35	A brief survey of access control in Wireless Sensor Networks 2011 ,		9
34	Advanced two tier User Authentication scheme for heterogeneous Wireless Sensor Networks 2011 ,		5
33	Atrial fibrillation source identification. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 4398-401	0.9	1
32	An Efficient Mutual Authentication and Access Control Scheme for Wireless Sensor Networks in Healthcare. <i>Journal of Networks</i> , 2011 , 6,		39
31	ADMAC with Integrated Destination Discovery for Ad Hoc Networks. <i>IEEE Communications Letters</i> , 2010 , 14, 704-706	3.8	1
30	Public key cryptography-based security scheme for wireless sensor networks in healthcare 2010 ,		6
29	Impact of mobility prediction on the performance of Cognitive Radio networks 2010 ,		11
28	Activity-oriented access control to ubiquitous hospital information and services. <i>Information Sciences</i> , 2010 , 180, 2979-2990	7.7	26
27	Time Series Prediction Using Support Vector Machines: A Survey. <i>IEEE Computational Intelligence Magazine</i> , 2009 , 4, 24-38	5.6	518
26	Single trial independent component analysis for P300 BCI system. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2009 , 2009, 4035-8	0.9	5
25	An energy-efficient access control scheme for wireless sensor networks based on elliptic curve cryptography. <i>Journal of Communications and Networks</i> , 2009 , 11, 599-606	4.1	43
24	P300 Based Single Trial Independent Component Analysis on EEG Signal. <i>Lecture Notes in Computer Science</i> , 2009 , 404-410	0.9	8
23	Grand challenge award: Interactive visual analytics palantir: The future of analysis 2008 ,		4
22	Enhanced speaker recognition based on intra-modal fusion and accent modeling 2008 ,		2
21	Pitch conversion based on pitch mark mapping 2007 ,		1

20	Enhanced speaker recognition based on score level fusion of AHS and HMM 2007 ,		1
19	Computer-aided mass detection based on ipsilateral multiview mammograms. <i>Academic Radiology</i> , 2007 , 14, 530-8	4.3	37
18	Boundary delineation in transrectal ultrasound image for prostate cancer. <i>Computers in Biology and Medicine</i> , 2007 , 37, 1591-9	7	27
17	Evaluation and analysis of a face and voice outdoor multi-biometric system. <i>Pattern Recognition Letters</i> , 2007 , 28, 1572-1580	4.7	17
16	Theoretical derivation of minimum mean square error of RBF based equalizer. <i>Signal Processing</i> , 2007 , 87, 1613-1625	4.4	16
15	A KNOWLEDGE-BASED LUNG NODULE DETECTION SYSTEM FOR HELICAL CT IMAGES. <i>International Journal of Computational Intelligence and Applications</i> , 2006 , 06, 371-387	1.2	2
14	Standardization for image characteristics in telemammography using genetic and nonlinear algorithms. <i>Computers in Biology and Medicine</i> , 2005 , 35, 183-96	7	5
13	Lossless compression for x-ray mammogram images 2003 , 5014, 337		
12	Advances in micro-calcification clusters detection in mammography. <i>Computers in Biology and Medicine</i> , 2002 , 32, 515-28	7	14
11	ATMTN: a telemammography network architecture. <i>IEEE Transactions on Biomedical Engineering</i> , 2002 , 49, 1438-43	5	7
10	Integrated network architecture and signal processing for telemammography 2002 ,		1
9	VBR video traffic management using a predictor-based architecture. <i>Computer Communications</i> , 2000 , 23, 62-70	5.1	6
8	Fuzzy handoff algorithms for wireless communication. <i>Fuzzy Sets and Systems</i> , 2000 , 110, 379-388	3.7	17
7	Microcellular handoff using fuzzy techniques. <i>Wireless Networks</i> , 1998 , 4, 401-409	2.5	11
6	Adaptive VBR video traffic management for higher utilization of ATM networks. <i>Computer Communication Review</i> , 1998 , 28, 27-40	1.4	10
5	Signal processing methods for pulse oximetry. <i>Computers in Biology and Medicine</i> , 1996 , 26, 143-59	7	127
4	QoS mapping scheme and a model for MAN-ATM internetworking. <i>Computer Communications</i> , 1996 , 19, 276-286	5.1	
3	Performance trending for management of packet-switched networks. <i>International Journal of Network Management</i> , 1994 , 4, 69-78	1.8	0

2 Automatic computer analysis of transients in EEG. *Computers in Biology and Medicine*, **1992**, 22, 407-22 7 28

1 Digital signal processing for precision wide-swath bathymetry. *IEEE Journal of Oceanic Engineering*, **1984**, 9, 73-84 33 2