

Subhagata Chattopadhyay

List of Publications by Year in descending order

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59
papers

1,659
citations

566801

15
h-index

301761

39
g-index

62
all docs

62
docs citations

62
times ranked

1612
citing authors

#	ARTICLE	IF	CITATIONS
1	<scp>VIRDOCD</scp>: A <scp>VIRtual DOctor</scp> to predict dengue fatality. Expert Systems, 2022, 39, e12796.	2.9	1
2	Neural Network-Based Diagnostic Tool for Identifying the Factors Responsible for Depression. International Journal of Computational Intelligence and Applications, 2019, 18, .	0.6	3
3	Genetic-neuro-fuzzy system for grading depression. Applied Computing and Informatics, 2018, 14, 98-105.	3.7	16
4	Applications of Artificial Intelligence in Assessment for Learning in Schools. Advances in Educational Technologies and Instructional Design Book Series, 2018, , 185-206.	0.2	11
5	A neuro-fuzzy approach for the diagnosis of depression. Applied Computing and Informatics, 2017, 13, 10-18.	3.7	29
6	Data Overloading in Medical Imaging: Emerging Issues, Challenges and Opportunities in Efficient Data Management. Journal of Medical Imaging and Health Informatics, 2015, 5, 755-764.	0.2	6
7	Higher order spectra analysis of breast thermograms for the automated identification of breast cancer. Expert Systems, 2014, 31, 37-47.	2.9	43
8	Neurofuzzy models to automate the grading of old-age depression. Expert Systems, 2014, 31, 48-55.	2.9	18
9	A Case-Based Reasoning system for complex medical diagnosis. Expert Systems, 2013, 30, 12-20.	2.9	43
10	A Study on Linkage-Based Clustering of Adult Depression Data. Journal of Medical Imaging and Health Informatics, 2013, 3, 227-236.	0.2	1
11	Testing Bayesian Classifiers on Adult Depression Data: A Study to Handle Uncertainty Related to Its Grading. Journal of Medical Imaging and Health Informatics, 2013, 3, 607-614.	0.2	1
12	A Systems Approach to Cardiac Health Diagnosis. Journal of Medical Imaging and Health Informatics, 2013, 3, 261-267.	0.2	11
13	A Hybrid Expert Tool for the Diagnosis of Depression. Journal of Medical Imaging and Health Informatics, 2013, 3, 42-47.	0.2	5
14	Mining the risk of heart attack: a comprehensive study. International Journal of Biomedical Engineering and Technology, 2013, 11, 394.	0.2	7
15	Mathematical modelling of doctors' perceptions in the diagnosis of depression: a novel approach. International Journal of Biomedical Engineering and Technology, 2013, 11, 1.	0.2	7
16	An awareness net collaborative model for schizophrenia management. International Journal of Advanced Intelligence Paradigms, 2013, 5, 217.	0.2	1
17	Offline Verification of Hand Written Signature using Adaptive Resonance Theory Net (Type-1). International Journal of Signal Processing Systems, 2013, 1, 17-22.	0.5	7
18	A Mathematical Model of Suicidal-Intent-Estimation in Adults. American Journal of Biomedical Engineering, 2013, 2, 251-262.	0.9	4

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19	AUTOMATED IDENTIFICATION OF EPILEPTIC AND ALCOHOLIC EEG SIGNALS USING RECURRENCE QUANTIFICATION ANALYSIS. Journal of Mechanics in Medicine and Biology, 2012, 12, 1240028.	0.3	11
20	DIABETES MELLITUS: ENQUIRY INTO ITS MEDICAL ASPECTS AND BIOENGINEERING OF ITS MONITORING AND REGULATION. Journal of Mechanics in Medicine and Biology, 2012, 12, 1230001.	0.3	6
21	RECURRENCE QUANTIFICATION ANALYSIS OF BODY RESPONSE TO FUNCTIONAL ELECTRICAL STIMULATION ON HEMIPLEGIC SUBJECTS. Journal of Mechanics in Medicine and Biology, 2012, 12, 1250038.	0.3	0
22	COMPREHENSIVE ANALYSIS OF NORMAL AND DIABETIC HEART RATE SIGNALS: A REVIEW. Journal of Mechanics in Medicine and Biology, 2012, 12, 1240033.	0.3	11
23	A Predictive Stressor-Integrated Model of Suicide Risk from One's Birth: A Bayesian Approach. Journal of Medical Imaging and Health Informatics, 2012, 2, 125-131.	0.2	5
24	A Prototype Depression Screening Tool for Rural Healthcare: A Step Towards e-Health Informatics. Journal of Medical Imaging and Health Informatics, 2012, 2, 244-249.	0.2	11
25	Comparing Fuzzy-C Means and K-Means Clustering Techniques: A Comprehensive Study. Advances in Intelligent and Soft Computing, 2012, , 451-460.	0.2	53
26	AUTOMATED DIAGNOSIS OF NORMAL AND ALCOHOLIC EEG SIGNALS. International Journal of Neural Systems, 2012, 22, 1250011.	3.2	140
27	Observation-Prevention Framework of Cardiac Risk Factors: An Indian Study. Journal of Medical Imaging and Health Informatics, 2012, 2, 102-113.	0.2	6
28	Neural Network Approaches to Grade Adult Depression. Journal of Medical Systems, 2012, 36, 2803-2815.	2.2	29
29	A Comparative Study of Back Propagation and Simulated Annealing Algorithms for Neural Net Classifier Optimization. Procedia Engineering, 2012, 38, 448-455.	1.2	9
30	Application of Bayesian Classifier for the Diagnosis of Dental Pain. Journal of Medical Systems, 2012, 36, 1425-1439.	2.2	22
31	An Approach to Model Right Iliac Fossa Pain Using Pain-Only-Parameters for Screening Acute Appendicitis. Journal of Medical Systems, 2012, 36, 1491-1502.	2.2	6
32	A Novel Mathematical Approach to Diagnose Premenstrual Syndrome. Journal of Medical Systems, 2012, 36, 2177-2186.	2.2	14
33	Computer-Based Identification of Type 2 Diabetic Subjects with and Without Neuropathy Using Dynamic Planter Pressure and Principal Component Analysis. Journal of Medical Systems, 2012, 36, 2483-2491.	2.2	9
34	Linear and non-linear analysis of cardiac health in diabetic subjects. Biomedical Signal Processing and Control, 2012, 7, 295-302.	3.5	50
35	Automated diagnosis of epileptic EEG using entropies. Biomedical Signal Processing and Control, 2012, 7, 401-408.	3.5	567
36	A survey and comparative study on the instruments for glaucoma detection. Medical Engineering and Physics, 2012, 34, 129-139.	0.8	43

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37	Clinical Decision Support Systems in Mental Health. , 2012, , 321-334.		0
38	APPLICATION OF RECURRENCE QUANTIFICATION ANALYSIS FOR THE AUTOMATED IDENTIFICATION OF EPILEPTIC EEG SIGNALS. International Journal of Neural Systems, 2011, 21, 199-211.	3.2	271
39	An Automated System to Diagnose the Severity of Adult Depression. , 2011, , .		18
40	A framework for crisis management in developing countries. Intelligent Decision Technologies, 2011, 5, 189-199.	0.6	5
41	A study on suicidal risks in psychiatric adults. International Journal of Biomedical Engineering and Technology, 2011, 5, 390.	0.2	7
42	Studying infant mortality rate: a data mining approach. Health and Technology, 2011, 1, 25-34.	2.1	6
43	Analysis of Body Response to Functional Electrical Stimulation on Hemiplegic Subjects Using Higher Order Spectra. Journal of Medical Imaging and Health Informatics, 2011, 1, 341-349.	0.2	0
44	EFFECTS OF MOBILE PHONE RADIATION ON CARDIAC HEALTH. Journal of Mechanics in Medicine and Biology, 2011, 11, 1241-1253.	0.3	8
45	Statistical modeling of psychosis data. Computer Methods and Programs in Biomedicine, 2010, 100, 222-236.	2.6	9
46	An Ontology Driven Multi-Agent Approach to Integrated e-Health Systems. International Journal of E-Health and Medical Communications, 2010, 1, 28-40.	1.4	8
47	A Framework for Studying Perceptions of Rural Healthcare Staff and Basic ICT Support for e-Health Use: An Indian Experience. Telemedicine Journal and E-Health, 2010, 16, 80-88.	1.6	28
48	Towards Developing Intelligent Autonomous Systems in Psychiatry: Its Present State and Future Possibilities. Studies in Computational Intelligence, 2010, , 143-166.	0.7	6
49	A study on portable functional electrical device for small muscles. , 2010, , .		0
50	Fuzzy awareness model for disaster situations. Intelligent Decision Technologies, 2009, 3, 75-82.	0.6	7
51	Developing fuzzy classifiers to predict the chance of occurrence of adult psychoses. Knowledge-Based Systems, 2008, 21, 479-497.	4.0	20
52	An approach for E-Health system assessment & specification. , 2008, , .		4
53	A framework for assessing ICT preparedness for e-health implementations. , 2008, , .		9
54	An ontology-based framework for managing semantic interoperability issues in e-health. , 2008, , .		7

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55	Some studies on fuzzy clustering of psychosis data. International Journal of Business Intelligence and Data Mining, 2007, 2, 143.	0.2	18
56	A Study on Suicidal Risk Analysis. , 2007, , .		12
57	Itraconazole: better choice to treat recurrent vulvovaginal candidoses. Journal of the Indian Medical Association, 2004, 102, 523.	0.2	1
58	Modeling Depression Data: Feed Forward Neural Network vs. Radial Basis Function Neural Network. American Journal of Biomedical Sciences, 0, , 166-174.	0.2	8
59	An Approach to Identify Regions of Interest in Chest X-Ray Images of COVID-19 Patients and Its Clinical Validation: An Indian Study. Artificial Intelligence Evolution, 0, , 41-53.	0.0	0