

Mufti Mahmud

List of Publications by Year in descending order

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Version: 2024-02-01

174
papers

5,145
citations

100601

38
h-index

134545

62
g-index

187
all docs

187
docs citations

187
times ranked

3186
citing authors

#	ARTICLE	IF	CITATIONS
1	Forecasting major impacts of COVID-19 pandemic on country-driven sectors: challenges, lessons, and future roadmap. <i>Personal and Ubiquitous Computing</i> , 2023, 27, 807-830.	1.9	44
2	Inverted bell-curve-based ensemble of deep learning models for detection of COVID-19 from chest X-rays. <i>Neural Computing and Applications</i> , 2023, 35, 16113-16127.	3.2	35
3	An Investigative Study on the Effects of Pedagogical Agents on Intrinsic, Extraneous and Germane Cognitive Load: Experimental Findings With Dyscalculia and Non-Dyscalculia Learners. <i>IEEE Access</i> , 2022, 10, 3904-3922.	2.6	3
4	Pattern Descriptors Orientation and MAP Firefly Algorithm Based Brain Pathology Classification Using Hybridized Machine Learning Algorithm. <i>IEEE Access</i> , 2022, 10, 3848-3863.	2.6	27
5	Interpretable Model for Artefact Detection in Local Field Potentials via Feature Extraction and Decision Trees. <i>Advances in Intelligent Systems and Computing</i> , 2022, , 288-299.	0.5	0
6	iReTADS: An Intelligent Real-Time Anomaly Detection System for Cloud Communications Using Temporal Data Summarization and Neural Network. <i>Security and Communication Networks</i> , 2022, 2022, 1-15.	1.0	17
7	2022 roadmap on neuromorphic computing and engineering. <i>Neuromorphic Computing and Engineering</i> , 2022, 2, 022501.	2.8	217
8	Dense Tissue Pattern Characterization Using Deep Neural Network. <i>Cognitive Computation</i> , 2022, 14, 1728-1751.	3.6	24
9	Channel-independent recreation of artefactual signals in chronically recorded local field potentials using machine learning. <i>Brain Informatics</i> , 2022, 9, 1.	1.8	12
10	Application of Mathematical Modeling in Prediction of COVID-19 Transmission Dynamics. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 10163-10186.	1.7	23
11	Low-Cost Stand-Alone Smart Irrigation System: A Case Study. <i>Lecture Notes in Networks and Systems</i> , 2022, , 349-356.	0.5	1
12	Facial Detection for Neonatal Infant Pain Using Facial Geometry Features and LBP. <i>Lecture Notes in Networks and Systems</i> , 2022, , 509-518.	0.5	2
13	Toward Machine Learning-Based Psychological Assessment of Autism Spectrum Disorders in School and Community. <i>Lecture Notes in Networks and Systems</i> , 2022, , 139-149.	0.5	22
14	Detection of Breast Cancer from Five-View Thermal Images Using Convolutional Neural Networks. <i>Journal of Healthcare Engineering</i> , 2022, 2022, 1-15.	1.1	21
15	A Gradient Guided Architecture Coupled With Filter Fused Representations for Micro-Crack Detection in Photovoltaic Cell Surfaces. <i>IEEE Access</i> , 2022, 10, 58950-58964.	2.6	16
16	Improving Accessibility and Personalisation for HE Students with Disabilities in Two Countries in the Indian Subcontinent - Initial Findings. <i>Lecture Notes in Computer Science</i> , 2022, , 110-122.	1.0	2
17	Explainable Multimodal Machine Learning for Engagement Analysis by Continuous Performance Test. <i>Lecture Notes in Computer Science</i> , 2022, , 386-399.	1.0	18
18	Towards Explainable and Privacy-Preserving Artificial Intelligence for Personalisation in Autism Spectrum Disorder. <i>Lecture Notes in Computer Science</i> , 2022, , 356-370.	1.0	30

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19	Self-Sovereignty Identity Management Model for Smart Healthcare System. <i>Sensors</i> , 2022, 22, 4714.	2.1	9
20	Automatic Lung Health Screening Using Respiratory Sounds. <i>Journal of Medical Systems</i> , 2021, 45, 19.	2.2	41
21	Identifying Individuals Using EEG-Based Brain Connectivity Patterns. <i>Lecture Notes in Computer Science</i> , 2021, , 124-135.	1.0	2
22	Attention-Based Bi-Directional Long-Short Term Memory Network for Earthquake Prediction. <i>IEEE Access</i> , 2021, 9, 56589-56603.	2.6	42
23	Sluggish State-Based Neural Networks Provide State-of-the-art Forecasts of COVID-19 Cases. <i>Communications in Computer and Information Science</i> , 2021, , 384-400.	0.4	1
24	Detecting Anomaly and Its Sources in Activities of Daily Living. <i>SN Computer Science</i> , 2021, 2, 1.	2.3	13
25	An Artificial Intelligence Based Approach Towards Inclusive Healthcare Provisioning in Society 5.0: A Perspective on Brain Disorder. <i>Lecture Notes in Computer Science</i> , 2021, , 157-169.	1.0	11
26	An XAI Based Autism Detection: The Context Behind the Detection. <i>Lecture Notes in Computer Science</i> , 2021, , 448-459.	1.0	48
27	Worksafe: Towards Healthy Workplaces During COVID-19 With an Intelligent Phealth App for Industrial Settings. <i>IEEE Access</i> , 2021, 9, 13814-13828.	2.6	68
28	Indoor Navigation Support System for Patients with Neurodegenerative Diseases. <i>Lecture Notes in Computer Science</i> , 2021, , 411-422.	1.0	27
29	Smart City Technologies for Next Generation Healthcare. <i>Advanced Sciences and Technologies for Security Applications</i> , 2021, , 253-274.	0.4	7
30	Security Threats and Artificial Intelligence Based Countermeasures for Internet of Things Networks: A Comprehensive Survey. <i>IEEE Access</i> , 2021, 9, 94668-94690.	2.6	50
31	Real-Time Artifacts Reduction during TMS-EEG Co-Registration: A Comprehensive Review on Technologies and Procedures. <i>Sensors</i> , 2021, 21, 637.	2.1	17
32	Selecting Lung Cancer Patients from UK Primary Care Data: A Longitudinal Study of Feature Trends. <i>Communications in Computer and Information Science</i> , 2021, , 43-59.	0.4	0
33	iConDet: An Intelligent Portable Healthcare App for the Detection of Conjunctivitis. <i>Communications in Computer and Information Science</i> , 2021, , 29-42.	0.4	10
34	Towards Autism Subtype Detection Through Identification of Discriminatory Factors Using Machine Learning. <i>Lecture Notes in Computer Science</i> , 2021, , 401-410.	1.0	14
35	Artificial Intelligence based Driver Vigilance System for Accident Prevention. , 2021, , .		4
36	COVID-19 Infection Detection from Chest X-Ray Images Using Hybrid Social Group Optimization and Support Vector Classifier. <i>Cognitive Computation</i> , 2021, , 1-13.	3.6	47

#	ARTICLE	IF	CITATIONS
37	Learning Through One Shot: A Phase by Phase Approach for COVID-19 Chest X-ray Classification. , 2021, , .		7
38	One-shot Cluster-Based Approach for the Detection of COVID-19 from Chest X-ray Images. Cognitive Computation, 2021, 13, 873-881.	3.6	50
39	Detection and Classification of Leukocytes in Blood Smear Images. International Journal of Ambient Computing and Intelligence, 2021, 12, 111-139.	0.8	5
40	Towards a data-driven adaptive anomaly detection system for human activity. Pattern Recognition Letters, 2021, 145, 200-207.	2.6	28
41	Short-Term Prediction of COVID-19 Cases Using Machine Learning Models. Applied Sciences (Switzerland), 2021, 11, 4266.	1.3	48
42	Signal Power Affects Artefact Detection Accuracy in Chronically Recorded Local Field Potentials: Preliminary Results. , 2021, , .		1
43	SANTIA: a Matlab-based open-source toolbox for artifact detection and removal from extracellular neuronal signals. Brain Informatics, 2021, 8, 14.	1.8	10
44	On-Chip Machine Learning for Portable Systems: Application to Electroencephalography-based Brain-Computer Interfaces. , 2021, , .		2
45	Towards Bridging the Gap Between Computational Intelligence and Neuroscience in Brain-Computer Interfaces With a Common Description of Systems and Data. Frontiers in Neuroinformatics, 2021, 15, 699840.	1.3	2
46	TClustVID: A novel machine learning classification model to investigate topics and sentiment in COVID-19 tweets. Knowledge-Based Systems, 2021, 226, 107126.	4.0	60
47	A functional BCI model by the IEEE P2731 working group: data storage and sharing. Brain-Computer Interfaces, 2021, 8, 108-116.	0.9	4
48	A Functional BCI Model by the P2731 working group: Physiology. Brain-Computer Interfaces, 2021, 8, 54-81.	0.9	1
49	Artificial intelligence and internet of things in screening and management of autism spectrum disorder. Sustainable Cities and Society, 2021, 74, 103189.	5.1	51
50	Deep transfer learning for COVID-19 detection and infection localization with superpixel based segmentation. Sustainable Cities and Society, 2021, 75, 103252.	5.1	34
51	Anomaly Detection in Invasively Recorded Neuronal Signals Using Deep Neural Network: Effect of Sampling Frequency. Communications in Computer and Information Science, 2021, , 79-91.	0.4	6
52	Towards Machine Learning Based Intrusion Detection in IoT Networks. Computers, Materials and Continua, 2021, 69, 1801-1821.	1.5	43
53	ALO: AI for Least Observed People. Communications in Computer and Information Science, 2021, , 306-317.	0.4	3
54	Towards an Accelerometer-Based Elderly Fall Detection System Using Cross-Disciplinary Time Series Features. IEEE Access, 2021, 9, 39413-39431.	2.6	68

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55	An Attention-Based Mood Controlling Framework for Social Media Users. Lecture Notes in Computer Science, 2021, , 245-256.	1.0	13
56	Deep Learning in Mining Biological Data. Cognitive Computation, 2021, 13, 1-33.	3.6	231
57	Artificial Intelligence and Machine Learning for Ensuring Security in Smart Cities. Advanced Sciences and Technologies for Security Applications, 2021, , 23-47.	0.4	29
58	Contactless Fall Detection for the Elderly. Intelligent Systems Reference Library, 2021, , 203-235.	1.0	11
59	An Earthquake Prediction System for Bangladesh Using Deep Long Short-Term Memory Architecture. Lecture Notes in Networks and Systems, 2021, , 465-476.	0.5	7
60	Classification of First Trimester Ultrasound Images Using Deep Convolutional Neural Network. Communications in Computer and Information Science, 2021, , 92-105.	0.4	6
61	Performance Comparison of Machine Learning Techniques in Identifying Dementia from Open Access Clinical Datasets. Advances in Intelligent Systems and Computing, 2021, , 79-89.	0.5	41
62	Trust IoHT: A Trust Management Model for Internet of Healthcare Things. Lecture Notes in Networks and Systems, 2021, , 47-57.	0.5	6
63	Healthcare Robots to Combat COVID-19. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 83-97.	0.5	50
64	Rough Sets in COVID-19 to Predict Symptomatic Cases. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 57-68.	0.5	37
65	Machine Learning in Fighting Pandemics: A COVID-19 Case Study. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 77-81.	0.5	31
66	Anomaly Detection in Electroencephalography Signal Using Deep Learning Model. Advances in Intelligent Systems and Computing, 2021, , 205-217.	0.5	10
67	6G Access Network for Intelligent Internet of Healthcare Things: Opportunity, Challenges, and Research Directions. Advances in Intelligent Systems and Computing, 2021, , 317-328.	0.5	42
68	Secured Smart Healthcare System: Blockchain and Bayesian Inference Based Approach. Advances in Intelligent Systems and Computing, 2021, , 455-465.	0.5	32
69	A Blockchain-Based Scheme for Sybil Attack Detection in Underwater Wireless Sensor Networks. Advances in Intelligent Systems and Computing, 2021, , 467-476.	0.5	9
70	Innovative approaches to strengthening health systems in low- and middle-income countries: Current models, developments, and challenges. Health Policy and Technology, 2021, 10, 100567.	1.3	6
71	Kidney Care: Artificial Intelligence-Based Mobile Application for Diagnosing Kidney Disease. Lecture Notes in Networks and Systems, 2021, , 99-110.	0.5	3
72	Cross-Content Recommendation between Movie and Book using Machine Learning. , 2021, , .		23

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73	A Centralised Cloud-Based Monitoring System for Older Adults in a Community. , 2021, , .		0
74	A Behavioral Trust Model for Internet of Healthcare Things Using an Improved FP-Growth Algorithm and Naïve Bayes Classifier. , 2021, , .		0
75	ACCU3RATE: A mobile health application rating scale based on user reviews. PLoS ONE, 2021, 16, e0258050.	1.1	46
76	Dampened Slow Oscillation Connectivity Anticipates Amyloid Deposition in the PS2APP Mouse Model of Alzheimer's Disease. Cells, 2020, 9, 54.	1.8	17
77	SENSE: a Student Performance Quantifier using Sentiment Analysis. , 2020, , .		42
78	Application of Artificial Intelligence in Predicting Earthquakes: State-of-the-Art and Future Challenges. IEEE Access, 2020, 8, 192880-192923.	2.6	54
79	Social Group Optimization-Assisted Kapur's Entropy and Morphological Segmentation for Automated Detection of COVID-19 Infection from Computed Tomography Images. Cognitive Computation, 2020, 12, 1011-1023.	3.6	90
80	Time sensitivity and self-organisation in Multi-recurrent Neural Networks. , 2020, , .		2
81	A Novel Approach to Shadow Boundary Detection Based on an Adaptive Direction-Tracking Filter for Brain-Machine Interface Applications. Applied Sciences (Switzerland), 2020, 10, 6761.	1.3	6
82	Neural Network-based Artifact Detection in Local Field Potentials Recorded from Chronically Implanted Neural Probes. , 2020, , .		29
83	Towards Artificial Intelligence Driven Emotion Aware Fall Monitoring Framework Suitable for Elderly People with Neurological Disorder. Lecture Notes in Computer Science, 2020, , 275-286.	1.0	44
84	A Highly-Efficient Fuzzy-Based Controller With High Reduction Inputs and Membership Functions for a Grid-Connected Photovoltaic System. IEEE Access, 2020, 8, 163225-163237.	2.6	29
85	Application of deep learning in detecting neurological disorders from magnetic resonance images: a survey on the detection of Alzheimer's disease, Parkinson's disease and schizophrenia. Brain Informatics, 2020, 7, 11.	1.8	180
86	TeKET: a Tree-Based Unsupervised Keyphrase Extraction Technique. Cognitive Computation, 2020, 12, 811-833.	3.6	81
87	Machine Learning in Analysing Invasively Recorded Neuronal Signals: Available Open Access Data Sources. Lecture Notes in Computer Science, 2020, , 151-162.	1.0	11
88	Effectiveness of Employing Multimodal Signals in Removing Artifacts from Neuronal Signals: An Empirical Analysis. Lecture Notes in Computer Science, 2020, , 183-193.	1.0	9
89	Machine Learning Based Early Fall Detection for Elderly People with Neurological Disorder Using Multimodal Data Fusion. Lecture Notes in Computer Science, 2020, , 204-214.	1.0	41
90	Improving Alcoholism Diagnosis: Comparing Instance-Based Classifiers Against Neural Networks for Classifying EEG Signal. Lecture Notes in Computer Science, 2020, , 239-250.	1.0	10

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91	A Monitoring System for Patients of Autism Spectrum Disorder Using Artificial Intelligence. Lecture Notes in Computer Science, 2020, , 251-262.	1.0	57
92	Artificial and Internet of Healthcare Things Based Alzheimer Care During COVID 19. Lecture Notes in Computer Science, 2020, , 263-274.	1.0	37
93	Towards Improved Detection of Cognitive Performance Using Bidirectional Multilayer Long-Short Term Memory Neural Network. Lecture Notes in Computer Science, 2020, , 297-306.	1.0	27
94	3D DenseNet Ensemble in 4-Way Classification of Alzheimer's Disease. Lecture Notes in Computer Science, 2020, , 85-96.	1.0	54
95	Towards Secured Service Provisioning for the Internet of Healthcare Things. , 2020, , .		20
96	Artifact Detection in Chronically Recorded Local Field Potentials using Long-Short Term Memory Neural Network. , 2020, , .		18
97	Forecasting the Risk of Type II Diabetes using Reinforcement Learning. , 2020, , .		11
98	Adaptation of Convolutional Neural Networks for Multi-Channel Artifact Detection in Chronically Recorded Local Field Potentials. , 2020, , .		11
99	Towards Artificial Intelligence Driven Stress monitoring for mental wellbeing tracking During COVID-19. , 2020, , .		13
100	Hidden Markov Model based Trust Management Model for Underwater Wireless Sensor Networks. , 2020, , .		10
101	An event based topic learning pipeline for neuroimaging literature mining. Brain Informatics, 2020, 7, 18.	1.8	5
102	Towards Automated Processing and Analysis of Neuronal Big Data Acquired Using High-Resolution Brain-Chip Interfaces. Brain Informatics and Health, 2020, , 175-191.	0.1	1
103	Attack Detection in Internet of Things using Software Defined Network and Fuzzy Neural Network. , 2020, , .		12
104	Towards the Development of an Adaptive System for Detecting Anomaly in Human Activities. , 2020, , .		2
105	Towards SDN and Blockchain based IoT Countermeasures: A Survey. , 2020, , .		5
106	Effect of the Gamma Entrainment Frequency in Pertinence to Mood, Memory and Cognition. Lecture Notes in Computer Science, 2020, , 50-61.	1.0	6
107	Gamma entrainment frequency affects mood, memory and cognition: an exploratory pilot study. Brain Informatics, 2020, 7, 17.	1.8	13
108	A Consensus Novelty Detection Ensemble Approach for Anomaly Detection in Activities of Daily Living. Applied Soft Computing Journal, 2019, 83, 105613.	4.1	75

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109	A Secure Hybrid Authentication Scheme Using Passpoints and Press Touch Code. IEEE Access, 2019, 7, 166043-166053.	2.6	7
110	A similarity measure approach for identifying causes of anomaly in activities of daily living. , 2019, , .		0
111	Open-Source Tools for Processing and Analysis of In Vitro Extracellular Neuronal Signals. Advances in Neurobiology, 2019, 22, 233-250.	1.3	8
112	Gesture Recognition Intermediary Robot for Abnormality Detection in Human Activities. , 2019, , .		16
113	A Multi-recurrent Network for Crude Oil Price Prediction. , 2019, , .		44
114	Toward a Heterogeneous Mist, Fog, and Cloud-Based Framework for the Internet of Healthcare Things. IEEE Internet of Things Journal, 2019, 6, 4049-4062.	5.5	150
115	Detecting Neurodegenerative Disease from MRI: A Brief Review on a Deep Learning Perspective. Lecture Notes in Computer Science, 2019, , 115-125.	1.0	73
116	Application of Convolutional Neural Network in Segmenting Brain Regions from MRI Data. Lecture Notes in Computer Science, 2019, , 136-146.	1.0	55
117	A Framework for Anomaly Detection in Activities of Daily Living using an Assistive Robot. , 2019, , .		3
118	Applications of Deep Learning and Reinforcement Learning to Biological Data. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2063-2079.	7.2	596
119	Advances in Crowd Analysis for Urban Applications Through Urban Event Detection. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 3092-3112.	4.7	70
120	An Energy Conserving Routing Scheme for Wireless Body Sensor Nanonetwork Communication. IEEE Access, 2018, 6, 9186-9200.	2.6	71
121	A Brain-Inspired Trust Management Model to Assure Security in a Cloud Based IoT Framework for Neuroscience Applications. Cognitive Computation, 2018, 10, 864-873.	3.6	139
122	Embedded Classification of Local Field Potentials Recorded from Rat Barrel Cortex with Implanted Multi-Electrode Array. , 2018, , .		7
123	A Flexible Keyphrase Extraction Technique for Academic Literature. Procedia Computer Science, 2018, 135, 553-563.	1.2	28
124	Rat Cortical Layers Classification extracting Evoked Local Field Potential Images with Implanted Multi-Electrode Sensor. , 2018, , .		3
125	ADEPTNESS: Alzheimer's Disease Patient Management System Using Pervasive Sensors - Early Prototype and Preliminary Results. Lecture Notes in Computer Science, 2018, , 413-422.	1.0	41
126	Performance Analysis of MC-CDMA based Underwater Wireless Sensor Network. , 2018, , .		4

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127	Interference-Aware Multipath Video Streaming in Vehicular Environments. IEEE Access, 2018, 6, 47610-47626.	2.6	13
128	fASSERT: A Fuzzy Assistive System for Children with Autism Using Internet of Things. Lecture Notes in Computer Science, 2018, , 403-412.	1.0	54
129	Early hippocampal hyperexcitability in PS2APP mice: role of mutant PS2 and APP. Neurobiology of Aging, 2017, 50, 64-76.	1.5	28
130	Towards high-resolution brain-chip interface and automated analysis of multichannel neuronal signals. , 2017, , .		7
131	Differential Modulation of Excitatory and Inhibitory Neurons during Periodic Stimulation. Frontiers in Neuroscience, 2016, 10, 62.	1.4	26
132	Processing and Analysis of Multichannel Extracellular Neuronal Signals: State-of-the-Art and Challenges. Frontiers in Neuroscience, 2016, 10, 248.	1.4	45
133	Trends and Challenges in Neuroengineering: Toward "Intelligent" Neuroprostheses through Brain-Brain Inspired Systems Communication. Frontiers in Neuroscience, 2016, 10, 438.	1.4	62
134	A Neuro-Fuzzy Control System Based on Feature Extraction of Surface Electromyogram Signal for Solar-Powered Wheelchair. Cognitive Computation, 2016, 8, 946-954.	3.6	63
135	Neural tissue and brain interfacing CMOS devices " An introduction to state-of-the-art, current and future challenges. , 2016, , .		15
136	An Automated Method for Characterization of Evoked Single-Trial Local Field Potentials Recorded from Rat Barrel Cortex Under Mechanical Whisker Stimulation. Cognitive Computation, 2016, 8, 935-945.	3.6	23
137	Imaging local field potentials in the rat barrel cortex. , 2015, , .		2
138	An adaptive link selection algorithm for cognitive cooperative network using modified bat algorithm. , 2015, , .		1
139	Anesthesia effect on single local field potentials variability in rat barrel cortex: Preliminary results. , 2015, 2015, 4721-4.		6
140	CMOS-compatible purely capacitive interfaces for high-density in-vivo recording from neural tissue. , 2015, , .		14
141	Solar Powered Wheel Chair for Physically Challenged People Using Surface EMG Signal. , 2015, , .		6
142	Intelligent image processing techniques for cancer progression detection, recognition and prediction in the human liver. , 2014, , .		11
143	A novel cardiovascular decision support framework for effective clinical risk assessment. , 2014, , .		4
144	QSpokeTools: An open source toolbox for parallel batch processing of extracellular neuronal signals recorded by substrate microelectrode arrays. , 2014, , .		5

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145	QSpoke tools: a generic framework for parallel batch preprocessing of extracellular neuronal signals recorded by substrate microelectrode arrays. <i>Frontiers in Neuroinformatics</i> , 2014, 8, 26.	1.3	40
146	A brain-computer interface test-bench based on EEG signals for research and student training. , 2013, , .		2
147	Wireless sensor networks in application to patients health monitoring. , 2013, , .		18
148	CyberRat Probes: High-Resolution Biohybrid Devices for Probing the Brain. <i>Lecture Notes in Computer Science</i> , 2012, , 274-285.	1.0	2
149	Na ⁺ channels at postsynaptic muscle membrane affects synaptic transmission at Neuromuscular Junction: A simulation study. , 2012, 2012, 3616-9.		3
150	Service Oriented Architecture Based Web Application Model for Collaborative Biomedical Signal Analysis. <i>Biomedizinische Technik</i> , 2012, 57, .	0.9	10
151	An automated method to remove artifacts induced by microstimulation in local field potentials recorded from rat somatosensory cortex. , 2012, , .		12
152	A Matlab based tool for cortical layer activation order detection through latency calculation in local field potentials recorded from rat barrel cortex by brain-chip interface. , 2012, , .		5
153	Neuromuscular Junction Transmission is Effected by Quantum Entanglement of Ion Transition States. <i>Biomedizinische Technik</i> , 2012, 57, .	0.9	1
154	On the Way to Large-Scale and High-Resolution Brain-Chip Interfacing. <i>Cognitive Computation</i> , 2012, 4, 71-81.	3.6	32
155	SigMate: A Matlab-based automated tool for extracellular neuronal signal processing and analysis. <i>Journal of Neuroscience Methods</i> , 2012, 207, 97-112.	1.3	40
156	Single LFP Sorting for High-Resolution Brain-Chip Interfacing. <i>Lecture Notes in Computer Science</i> , 2012, , 329-337.	1.0	5
157	Decoding Network Activity from LFPs: A Computational Approach. <i>Lecture Notes in Computer Science</i> , 2012, , 584-591.	1.0	4
158	Title is missing!. <i>Journal of Medical and Biological Engineering</i> , 2012, 32, 397.	1.0	13
159	Self-gating of sodium channels at neuromuscular junction. , 2011, , .		3
160	SigMate: A comprehensive software package for extracellular neuronal signal processing and analysis. , 2011, , .		10
161	High resolution cortical imaging using electrolyte-(metal)-oxide-semiconductor field effect transistors. , 2011, , .		8
162	An automated method to determine angular preferentiality using LFPs recorded from rat barrel cortex by brain-chip interface under mechanical whisker stimulation. , 2011, 2011, 2307-10.		6

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163	EEG Based Brain-Machine Interfacing: Navigation of Mobile Robotic Device. , 2011, , .		6
164	An automated method for detection of layer activation order in information processing pathway of rat barrel cortex under mechanical whisker stimulation. Journal of Neuroscience Methods, 2011, 196, 141-150.	1.3	25
165	Sodium channels' kinetics under self-gating condition at neuromuscular junction. , 2011, , .		2
166	An automated method for clustering single sweep local field potentials recorded from rat barrel cortex. , 2011, , .		4
167	Effect of self-gating on action potential firing at neuromuscular junction. , 2011, 2011, 4082-5.		1
168	Automatic detection of layer activation order in information processing pathways of rat barrel cortex under mechanical whisker stimulation. , 2010, 2010, 6095-8.		11
169	SigMate: A MATLAB-based neuronal signal processing tool. , 2010, 2010, 1352-5.		20
170	Processing of neuronal signals recorded by brain-chip interface from surface of the S1 brain cortex. , 2010, , .		3
171	EEG based brain-machine interface for navigation of robotic device. , 2010, , .		20
172	A contour based automatic method to classify Local Field Potentials recorded from rat barrel cortex. , 2010, , .		10
173	A High Resolution Bi-Directional Communication through a Brain-Chip Interface. , 2009, , .		10
174	A Brain-Machine Interface Based on EEG: Extracted Alpha Waves Applied to Mobile Robot. , 2009, , .		17