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List of Publications by Year in descending order

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288
papers

14,722
citations

16411

64
h-index

26548

107
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302
all docs

302
docs citations

302
times ranked

9822
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging the extent and location of spatiotemporally distributed epileptiform sources from MEG measurements. <i>NeuroImage: Clinical</i> , 2022, 33, 102903.	1.4	6
2	Transcranial focused ultrasound induces sustained synaptic plasticity in rat hippocampus. <i>Brain Stimulation</i> , 2022, 15, 352-359.	0.7	30
3	Progressive increase of high-frequency EEG oscillations during meditation is associated with its trait effects on heart rate and proteomics: a study on the Tibetan Buddhist. <i>Cerebral Cortex</i> , 2022, 32, 3865-3877.	1.6	5
4	Interictal SEEG Resting-State Connectivity Localizes the Seizure Onset Zone and Predicts Seizure Outcome. <i>Advanced Science</i> , 2022, 9, e2200887.	5.6	22
5	Transcranial Focused Ultrasound Neuromodulation of Voluntary Movement-Related Cortical Activity in Humans. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 1923-1931.	2.5	28
6	Training in the practice of noninvasive brain stimulation: Recommendations from an IFCN committee. <i>Clinical Neurophysiology</i> , 2021, 132, 819-837.	0.7	38
7	Contribution of Ictal Source Imaging for Localizing Seizure Onset Zone in Patients With Focal Epilepsy. <i>Neurology</i> , 2021, 96, e366-e375.	1.5	17
8	Mindfulness Improves Brain-Computer Interface Performance by Increasing Control Over Neural Activity in the Alpha Band. <i>Cerebral Cortex</i> , 2021, 31, 426-438.	1.6	33
9	High-Frequency Hubs of the Ictal Cross-Frequency Coupling Network Predict Surgical Outcome in Epilepsy Patients. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021, 29, 1290-1299.	2.7	4
10	Therapeutic Ultrasound Triggered Silk Fibroin Scaffold Degradation. <i>Advanced Healthcare Materials</i> , 2021, 10, 2100048.	3.9	13
11	Frontolimbic alpha activity tracks intentional rest BCI control improvement through mindfulness meditation. <i>Scientific Reports</i> , 2021, 11, 6818.	1.6	9
12	Noninvasive high-frequency oscillations riding spikes delineates epileptogenic sources. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	35
13	Continuous sensorimotor rhythm based brain computer interface learning in a large population. <i>Scientific Data</i> , 2021, 8, 98.	2.4	21
14	Transcranial Focused Ultrasound Enhances Sensory Discrimination Capability through Somatosensory Cortical Excitation. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 1356-1366.	0.7	23
15	Intrinsic functional neuron-type selectivity of transcranial focused ultrasound neuromodulation. <i>Nature Communications</i> , 2021, 12, 2519.	5.8	102
16	Benefits of deep learning classification of continuous noninvasive brain-computer interface control. <i>Journal of Neural Engineering</i> , 2021, 18, 046082.	1.8	28
17	Exploring the extent of source imaging: Recent advances in noninvasive electromagnetic brain imaging. <i>Current Opinion in Biomedical Engineering</i> , 2021, 18, 100277.	1.8	18
18	Investigation of Displacement of Intracranial Electrode Induced by Focused Ultrasound Stimulation. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-9.	2.4	6

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19	Brain-Heart Interactions Underlying Traditional Tibetan Buddhist Meditation. <i>Cerebral Cortex</i> , 2020, 30, 439-450.	1.6	19
20	Neuromodulation Management of Chronic Neuropathic Pain in the Central Nervous System. <i>Advanced Functional Materials</i> , 2020, 30, 1908999.	7.8	33
21	Noninvasive electromagnetic source imaging of spatiotemporally distributed epileptogenic brain sources. <i>Nature Communications</i> , 2020, 11, 1946.	5.8	61
22	Effects of Long-Term Meditation Practices on Sensorimotor Rhythm-Based Brain-Computer Interface Learning. <i>Frontiers in Neuroscience</i> , 2020, 14, 584971.	1.4	9
23	Brain-Computer Interfaces. , 2020, , 131-183.		53
24	Exploring Functional and Causal Connectivity in the Brain. , 2020, , 415-432.		0
25	Spatial-temporal aspects of continuous EEG-based neurobotic control. <i>Journal of Neural Engineering</i> , 2020, 17, 066006.	1.8	11
26	Electrophysiological Mapping and Source Imaging. , 2020, , 379-413.		5
27	Noninvasive Activation Imaging of Ventricular Arrhythmias by Spatial Gradient Sparse in Frequency Domain—Application to Mapping Reentrant Ventricular Tachycardia. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 525-539.	5.4	8
28	CONTRast Conformed Electrical Properties Tomography (CONCEPT) Based on Multi-Channel Transmission and Alternating Direction Method of Multipliers. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 349-359.	5.4	10
29	Automated gradient-based electrical properties tomography in the human brain using 7-Tesla MRI. <i>Magnetic Resonance Imaging</i> , 2019, 63, 258-266.	1.0	7
30	EEG source localization. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2019, 160, 85-101.	1.0	56
31	Multiple Oscillatory Push-Pull Antagonisms Constrain Seizure Propagation. <i>Annals of Neurology</i> , 2019, 86, 683-694.	2.8	23
32	Frequency of alpha oscillation predicts individual differences in perceptual stability during binocular rivalry. <i>Human Brain Mapping</i> , 2019, 40, 2422-2433.	1.9	27
33	Noninvasive neuroimaging enhances continuous neural tracking for robotic device control. <i>Science Robotics</i> , 2019, 4, .	9.9	227
34	Activation of Sympathetic Nervous System as a Biomarker for Deep Meditation. , 2019, , .		2
35	Electrophysiological Brain Connectivity: Theory and Implementation. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 2115-2137.	2.5	163
36	Exploring Training Effect in 42 Human Subjects Using a Non-invasive Sensorimotor Rhythm Based Online BCI. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 128.	1.0	40

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37	Graph theory analysis reveals how sickle cell disease impacts neural networks of patients with more severe disease. <i>NeuroImage: Clinical</i> , 2019, 21, 101599.	1.4	23
38	Mapping electrical properties heterogeneity of tumor using boundary informed electrical properties tomography (BIEPT) at 7T. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 393-409.	1.9	13
39	Increased theta band EEG power in sickle cell disease patients. <i>Journal of Pain Research</i> , 2018, Volume 11, 67-76.	0.8	18
40	Brain-Computer Interface Control in a Virtual Reality Environment and Applications for the Internet of Things. <i>IEEE Access</i> , 2018, 6, 10840-10849.	2.6	119
41	Electrophysiological Source Imaging: A Noninvasive Window to Brain Dynamics. <i>Annual Review of Biomedical Engineering</i> , 2018, 20, 171-196.	5.7	176
42	Exploring Cognitive Flexibility With a Noninvasive BCI Using Simultaneous Steady-State Visual Evoked Potentials and Sensorimotor Rhythms. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018, 26, 936-947.	2.7	28
43	Conflict-sensitive neurons gate interocular suppression in human visual cortex. <i>Scientific Reports</i> , 2018, 8, 1239.	1.6	21
44	Localization of Origins of Premature Ventricular Contraction by Means of Convolutional Neural Network From 12-Lead ECG. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 1662-1671.	2.5	60
45	Reply to "10-10 electrode system for EEG recording". <i>Clinical Neurophysiology</i> , 2018, 129, 1104.	0.7	0
46	Three-Dimensional Noninvasive Imaging of Ventricular Arrhythmias in Patients With Premature Ventricular Contractions. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 1495-1503.	2.5	12
47	Combined rTMS and virtual reality brain-computer interface training for motor recovery after stroke. <i>Journal of Neural Engineering</i> , 2018, 15, 016009.	1.8	66
48	Electromagnetic source imaging using simultaneous scalp EEG and intracranial EEG: An emerging tool for interacting with pathological brain networks. <i>Clinical Neurophysiology</i> , 2018, 129, 168-187.	0.7	23
49	EEG electrode digitization with commercial virtual reality hardware. <i>PLoS ONE</i> , 2018, 13, e0207516.	1.1	10
50	Stimulus rivalry and binocular rivalry share a common neural substrate. <i>Journal of Vision</i> , 2018, 18, 18.	0.1	5
51	Three-Dimensional Brain-computer Interface Control Through Simultaneous Overt Spatial Attentional and Motor Imagery Tasks. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 2417-2427.	2.5	41
52	On the neuromodulatory pathways of the in vivo brain by means of transcranial focused ultrasound. <i>Current Opinion in Biomedical Engineering</i> , 2018, 8, 61-69.	1.8	45
53	Activation recovery interval imaging of premature ventricular contraction. <i>PLoS ONE</i> , 2018, 13, e0196916.	1.1	2
54	TBME: A Retrospective. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 2673-2674.	2.5	0

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55	Validation and Opportunities of Electrocardiographic Imaging: From Technical Achievements to Clinical Applications. <i>Frontiers in Physiology</i> , 2018, 9, 1305.	1.3	89
56	Electromagnetic Brain Source Imaging by Means of a Robust Minimum Variance Beamformer. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 2365-2374.	2.5	12
57	A Study of the Effects of Electrode Number and Decoding Algorithm on Online EEG-Based BCI Behavioral Performance. <i>Frontiers in Neuroscience</i> , 2018, 12, 227.	1.4	24
58	Effect of Electroconvulsive Therapy on Medial Prefrontal $\hat{\text{I}}^3$ -Aminobutyric Acid Among Schizophrenia Patients. <i>Journal of ECT</i> , 2018, 34, 227-232.	0.3	17
59	Characterization of functional brain activity and connectivity using EEG and fMRI in patients with sickle cell disease. <i>NeuroImage: Clinical</i> , 2017, 14, 1-17.	1.4	68
60	In vivo imaging of electrical properties of an animal tumor model with an 8-channel transceiver array at 7T using electrical properties tomography. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 2157-2169.	1.9	22
61	Deactivation in the posterior mid-cingulate cortex reflects perceptual transitions during binocular rivalry: Evidence from simultaneous EEG-fMRI. <i>NeuroImage</i> , 2017, 152, 1-11.	2.1	21
62	Seizure prediction in patients with focal hippocampal epilepsy. <i>Clinical Neurophysiology</i> , 2017, 128, 1299-1307.	0.7	65
63	Quantifying and Characterizing Tonic Thermal Pain Across Subjects From EEG Data Using Random Forest Models. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 2988-2996.	2.5	55
64	Effects of Soft Drinks on Resting State EEG and Brain-Computer Interface Performance. <i>IEEE Access</i> , 2017, 5, 18756-18764.	2.6	27
65	The standardized EEG electrode array of the IFCN. <i>Clinical Neurophysiology</i> , 2017, 128, 2070-2077.	0.7	320
66	Electrical Properties Tomography Based on $B_{\{1\}}$ Maps in MRI: Principles, Applications, and Challenges. <i>IEEE Transactions on Biomedical Engineering</i> , 2017, 64, 2515-2530.	2.5	57
67	Anodal Transcranial Direct Current Stimulation Increases Bilateral Directed Brain Connectivity during Motor-Imagery Based Brain-Computer Interface Control. <i>Frontiers in Neuroscience</i> , 2017, 11, 691.	1.4	31
68	The influence of corticospinal activity on TMS-evoked activity and connectivity in healthy subjects: A TMS-EEG study. <i>PLoS ONE</i> , 2017, 12, e0174879.	1.1	52
69	EEG Mapping and Source Imaging. , 2017, , .		17
70	Neurons that detect interocular conflict during binocular rivalry revealed with EEG. <i>Journal of Vision</i> , 2016, 16, 18.	0.1	25
71	Investigating Cooperative Behavior in Ecological Settings: An EEG Hyperscanning Study. <i>PLoS ONE</i> , 2016, 11, e0154236.	1.1	140
72	Noninvasive Imaging of Human Atrial Activation during Atrial Flutter and Normal Rhythm from Body Surface Potential Maps. <i>PLoS ONE</i> , 2016, 11, e0163445.	1.1	10

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73	Spectral and spatial changes of brain rhythmic activity in response to the sustained thermal pain stimulation. <i>Human Brain Mapping</i> , 2016, 37, 2976-2991.	1.9	49
74	Noninvasive Electroencephalogram Based Control of a Robotic Arm for Reach and Grasp Tasks. <i>Scientific Reports</i> , 2016, 6, 38565.	1.6	333
75	Imaging brain source extent from EEG/MEG by means of an iteratively reweighted edge sparsity minimization (IRES) strategy. <i>NeuroImage</i> , 2016, 142, 27-42.	2.1	64
76	Noninvasive Imaging of High-Frequency Drivers and Reconstruction of Global Dominant Frequency Maps in Patients With Paroxysmal and Persistent Atrial Fibrillation. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 1333-1340.	2.5	17
77	Simultaneous Quantitative Imaging of Electrical Properties and Proton Density From B_1 Maps Using MRI. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 2064-2073.	5.4	12
78	Sensorimotor Rhythm BCI with Simultaneous High Definition-Transcranial Direct Current Stimulation Alters Task Performance. <i>Brain Stimulation</i> , 2016, 9, 834-841.	0.7	25
79	Electrophysiological Source Imaging of Brain Networks Perturbed by Low-Intensity Transcranial Focused Ultrasound. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 1787-1794.	2.5	58
80	Noninvasive Electromagnetic Source Imaging and Granger Causality Analysis: An Electrophysiological Connectome (eConnectome) Approach. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 2474-2487.	2.5	43
81	Focused Ultrasound Help Realize High Spatiotemporal Brain Imaging? - A Concept on Acousto-Electrophysiological Neuroimaging. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 2654-2656.	2.5	16
82	Identifying epileptic source location and extent: An iterative sparse electromagnetic source imaging algorithm. , 2016, 2016, 109-112.		0
83	Soft drink effects on sensorimotor rhythm brain computer interface performance and resting-state spectral power. , 2016, 2016, 1520-1523.		3
84	Identification of Source Signals by Estimating Directional Index of Phase Coupling in Multivariate Neural Systems. <i>Journal of Medical and Biological Engineering</i> , 2016, 36, 273-281.	1.0	0
85	EEG Source Imaging Enhances the Decoding of Complex Right-Hand Motor Imagery Tasks. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 4-14.	2.5	277
86	Magneto acoustic tomography with short pulsed magnetic field for in-vivo imaging of magnetic iron oxide nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 689-699.	1.7	29
87	Imaging epileptogenic brain using high density EEG source imaging and MRI. <i>Clinical Neurophysiology</i> , 2016, 127, 5-7.	0.7	6
88	Non-Invasive Multi-Modal Imaging to Evaluate Disease Severity in Sickle Cell Disease. <i>Blood</i> , 2016, 128, 1315-1315.	0.6	0
89	Systems Neuroengineering: Understanding and Interacting with the Brain. <i>Engineering</i> , 2015, 1, 292-308.	3.2	30
90	Gradient-based electrical properties tomography (gEPT): A robust method for mapping electrical properties of biological tissues in vivo using magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 634-646.	1.9	80

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91	An Entropy-Based Noninvasive Cardiac Imaging of Atrial Fibrillation1. Journal of Medical Devices, Transactions of the ASME, 2015, 9, .	0.4	0
92	Comparison of RF body coils for MRI at 3T: a simulation study using parallel transmission on various anatomical targets. NMR in Biomedicine, 2015, 28, 1332-1344.	1.6	28
93	Noninvasive Brain-Computer Interfaces Based on Sensorimotor Rhythms. Proceedings of the IEEE, 2015, 103, 907-925.	16.4	166
94	Estimating underlying neuronal activity from EEG using an iterative sparse technique. , 2015, 2015, 634-7.		3
95	A novel channel selection method for optimal classification in different motor imagery BCI paradigms. BioMedical Engineering OnLine, 2015, 14, 93.	1.3	46
96	Effect of EEG electrode number on epileptic source localization in pediatric patients. Clinical Neurophysiology, 2015, 126, 472-480.	0.7	119
97	Imaging cardiac activation sequence during ventricular tachycardia in a canine model of nonischemic heart failure. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H108-H114.	1.5	13
98	SSVEP signatures of binocular rivalry during simultaneous EEG and fMRI. Journal of Neuroscience Methods, 2015, 243, 53-62.	1.3	17
99	Noninvasive Imaging of 3-Dimensional Myocardial Infarction From the Inverse Solution of Equivalent Current Density in Pathological Hearts. IEEE Transactions on Biomedical Engineering, 2015, 62, 468-476.	2.5	10
100	Decoding and mapping of right hand motor imagery tasks using EEG source imaging. , 2015, , .		9
101	Temporal Sparse Promoting Three Dimensional Imaging of Cardiac Activation. IEEE Transactions on Medical Imaging, 2015, 34, 2309-2319.	5.4	20
102	Thalamocortical relationship in epileptic patients with generalized spike and wave discharges â€” A multimodal neuroimaging study. NeuroImage: Clinical, 2015, 9, 117-127.	1.4	39
103	Lateralization and localization of epilepsy related hemodynamic foci using presurgical fMRI. Clinical Neurophysiology, 2015, 126, 27-38.	0.7	30
104	Recognition of Biomarkers of Brain Connectivity and Pain Using Multi-Modal Imaging in Patients with Sickle Cell Disease. Blood, 2015, 126, 971-971.	0.6	0
105	The impact of mind-body awareness training on the early learning of a brain-computer interface. Technology, 2014, 02, 254-260.	1.4	40
106	Magnetoacoustic tomography imaging of biological tissues with magnetic induction under the static field of MRI scanner. , 2014, , .		0
107	Celebrating 60th Anniversary of TBME [Special issue editorial]. IEEE Transactions on Biomedical Engineering, 2014, 61, 1363-1363.	2.5	0
108	Quantitative prediction of radio frequency induced local heating derived from measured magnetic field maps in magnetic resonance imaging: A phantom validation at 7T. Applied Physics Letters, 2014, 105, 244101.	1.5	19

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109	Magnetic-Resonance-Based Electrical Properties Tomography: A Review. IEEE Reviews in Biomedical Engineering, 2014, 7, 87-96.	13.1	75
110	Magnetoacoustic tomography with magnetic induction for high-resolution bioimpedance imaging through vector source reconstruction under the static field of MRI magnet. Medical Physics, 2014, 41, 022902.	1.6	36
111	Brain-Computer Interfaces Using Sensorimotor Rhythms: Current State and Future Perspectives. IEEE Transactions on Biomedical Engineering, 2014, 61, 1425-1435.	2.5	361
112	Assessing Dynamic Spectral Causality by Lagged Adaptive Directed Transfer Function and Instantaneous Effect Factor. IEEE Transactions on Biomedical Engineering, 2014, 61, 1979-1988.	2.5	10
113	Noninvasive Imaging of the High Frequency Brain Activity in Focal Epilepsy Patients. IEEE Transactions on Biomedical Engineering, 2014, 61, 1660-1667.	2.5	39
114	High-Definition Transcranial Direct Current Stimulation Induces Both Acute and Persistent Changes in Broadband Cortical Synchronization: A Simultaneous tDCS-EEG Study. IEEE Transactions on Biomedical Engineering, 2014, 61, 1967-1978.	2.5	90
115	Electroencephalography Electrode Configuration and Source Imaging. Journal of Medical Devices, Transactions of the ASME, 2014, 8, .	0.4	0
116	Complex B ₁ mapping and electrical properties imaging of the human brain using a 16-channel transceiver coil at 7T. Magnetic Resonance in Medicine, 2013, 69, 1285-1296.	1.9	65
117	Noninvasive cardiac activation imaging of ventricular arrhythmias during drug-induced QT prolongation in the rabbit heart. Heart Rhythm, 2013, 10, 1509-1515.	0.3	23
118	Neuromodulation for Brain Disorders: Challenges and Opportunities. IEEE Transactions on Biomedical Engineering, 2013, 60, 610-624.	2.5	148
119	Sustained thermal pain modulates spontaneous sensorimotor rhythms. , 2013, , .		1
120	Exploring Functional and Causal Connectivity in the Brain. , 2013, , 545-564.		3
121	Brain-Computer Interfaces. , 2013, , 87-151.		78
122	Magnetoacoustic Tomography With Magnetic Induction: Bioimpedance Reconstruction Through Vector Source Imaging. IEEE Transactions on Medical Imaging, 2013, 32, 619-627.	5.4	41
123	From Complex B_1 Mapping to Local SAR Estimation for Human Brain MR Imaging Using Multi-Channel Transceiver Coil at 7T. IEEE Transactions on Medical Imaging, 2013, 32, 1058-1067.	5.4	60
124	Noninvasive control of a robotic arm in multiple dimensions using scalp electroencephalogram. , 2013, , .		12
125	Quadcopter control in three-dimensional space using a noninvasive motor imagery-based brain-computer interface. Journal of Neural Engineering, 2013, 10, 046003.	1.8	452
126	Grand Challenges in Mapping the Human Brain: NSF Workshop Report. IEEE Transactions on Biomedical Engineering, 2013, 60, 2983-2992.	2.5	62

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127	Determining electrical properties based on B_1 fields measured in an MR scanner using a multi-channel transmit/receive coil: a general approach. <i>Physics in Medicine and Biology</i> , 2013, 58, 4395-4408.	1.6	44
128	EEG source imaging and connectivity analysis in epilepsy patients. , 2013, , .		1
129	Grand Challenges in Interfacing Engineering With Life Sciences and Medicine. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 589-598.	2.5	42
130	Electrophysiological Mapping and Neuroimaging. , 2013, , 499-543.		15
131	EEG-based motor imagery classification accuracy improves with gradually increased channel number. , 2012, 2012, 1695-8.		4
132	Noninvasive Mapping of Transmural Potentials During Activation in Swine Hearts From Body Surface Electrocardiograms. <i>IEEE Transactions on Medical Imaging</i> , 2012, 31, 1777-1785.	5.4	18
133	Seizure source imaging by means of FINE spatio-temporal dipole localization and directed transfer function in partial epilepsy patients. <i>Clinical Neurophysiology</i> , 2012, 123, 1275-1283.	0.7	86
134	Dynamic imaging of seizure activity in pediatric epilepsy patients. <i>Clinical Neurophysiology</i> , 2012, 123, 2122-2129.	0.7	27
135	Spectral and spatial shifts of post-ictal slow waves in temporal lobe seizures. <i>Brain</i> , 2012, 135, 3134-3143.	3.7	33
136	Noninvasive reconstruction of the three-dimensional ventricular activation sequence during pacing and ventricular tachycardia in the canine heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012, 302, H244-H252.	1.5	38
137	Source Connectivity Analysis from MEG and its Application to Epilepsy Source Localization. <i>Brain Topography</i> , 2012, 25, 157-166.	0.8	50
138	MEG-based brain functional connectivity analysis using eConnectome. , 2011, , .		3
139	Noninvasive imaging of three-dimensional cardiac activation sequence during pacing and ventricular tachycardia. <i>Heart Rhythm</i> , 2011, 8, 1266-1272.	0.3	41
140	Dynamic imaging of ictal oscillations using non-invasive high-resolution EEG. <i>NeuroImage</i> , 2011, 56, 1908-1917.	2.1	83
141	Noninvasive cortical imaging of epileptiform activities from interictal spikes in pediatric patients. <i>NeuroImage</i> , 2011, 54, 244-252.	2.1	22
142	Interictal spike analysis of high-density EEG in patients with partial epilepsy. <i>Clinical Neurophysiology</i> , 2011, 122, 1098-1105.	0.7	68
143	Goal selection versus process control while learning to use a brain-computer interface. <i>Journal of Neural Engineering</i> , 2011, 8, 036012.	1.8	19
144	Hand movement decoding by phase-locking low frequency EEG signals. , 2011, 2011, 6335-8.		8

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145	Binocular Rivalry Requires Visual Attention. <i>Neuron</i> , 2011, 71, 362-369.	3.8	224
146	Graph analysis of epileptogenic networks in human partial epilepsy. <i>Epilepsia</i> , 2011, 52, 84-93.	2.6	295
147	Three-Dimensional Imaging of Ventricular Activation and Electrograms From Intracavitary Recordings. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 868-875.	2.5	3
148	Electrophysiological Imaging of Brain Activity and Connectivity—Challenges and Opportunities. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 1918-1931.	2.5	239
149	eConnectome: A MATLAB toolbox for mapping and imaging of brain functional connectivity. <i>Journal of Neuroscience Methods</i> , 2011, 195, 261-269.	1.3	201
150	Magnetoacoustic imaging of human liver tumor with magnetic induction. <i>Applied Physics Letters</i> , 2011, 98, 23703.	1.5	52
151	Sparse cortical current density imaging in motor potentials induced by finger movement. <i>Journal of Neural Engineering</i> , 2011, 8, 036008.	1.8	14
152	Differential Electrophysiological Coupling for Positive and Negative BOLD Responses during Unilateral Hand Movements. <i>Journal of Neuroscience</i> , 2011, 31, 9585-9593.	1.7	44
153	Estimation of activation sequence from time course of equivalent current density in pathological hearts — A simulation study. , 2011, , .		0
154	Continuous Three-Dimensional Control of a Virtual Helicopter Using a Motor Imagery Based Brain-Computer Interface. <i>PLoS ONE</i> , 2011, 6, e26322.	1.1	204
155	Equivalent Moving Dipole Localization of Cardiac Ectopic Activity in a Swine Model During Pacing. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2010, 14, 1318-1326.	3.6	17
156	Imaging Electric Properties of Biological Tissues by RF Field Mapping in MRI. <i>IEEE Transactions on Medical Imaging</i> , 2010, 29, 474-481.	5.4	79
157	EEG Control of a Virtual Helicopter in 3-Dimensional Space Using Intelligent Control Strategies. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2010, 18, 581-589.	2.7	188
158	Neocortical seizure foci localization by means of a directed transfer function method. <i>Epilepsia</i> , 2010, 51, 564-572.	2.6	130
159	Relationship between speed and EEG activity during imagined and executed hand movements. <i>Journal of Neural Engineering</i> , 2010, 7, 026001.	1.8	117
160	A new method to extract the conductivity tensor of brain inner tissues. , 2010, , .		0
161	EEG-fMRI reciprocal functional neuroimaging. <i>Clinical Neurophysiology</i> , 2010, 121, 1240-1250.	0.7	24
162	Negative covariation between task-related responses in alpha/beta-band activity and BOLD in human sensorimotor cortex: An EEG and fMRI study of motor imagery and movements. <i>NeuroImage</i> , 2010, 49, 2596-2606.	2.1	222

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163	Linear and nonlinear relationships between visual stimuli, EEG and BOLD fMRI signals. <i>NeuroImage</i> , 2010, 50, 1054-1066.	2.1	79
164	Decoding speed of imagined hand movement from EEG. , 2010, 2010, 142-5.		2
165	Defecting or Not Defecting: How to “Read” Human Behavior during Cooperative Games by EEG Measurements. <i>PLoS ONE</i> , 2010, 5, e14187.	1.1	151
166	Cortical imaging of sensorimotor rhythms for BCI applications. , 2009, 2009, 4539-42.		2
167	Goal selection versus process control in a brain-computer interface based on sensorimotor rhythms. <i>Journal of Neural Engineering</i> , 2009, 6, 016005.	1.8	38
168	Three-Dimensional Imaging of Complex Neural Activation in Humans From EEG. <i>IEEE Transactions on Biomedical Engineering</i> , 2009, 56, 1980-1988.	2.5	5
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