

Fa-Hsuan Lin

List of Publications by Year in descending order

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Version: 2024-02-01

113
papers

4,328
citations

136885

32
h-index

118793

62
g-index

122
all docs

122
docs citations

122
times ranked

4572
citing authors

#	ARTICLE	IF	CITATIONS
1	Processing of an Audiobook in the Human Brain Is Shaped by Cultural Family Background. <i>Brain Sciences</i> , 2022, 12, 649.	1.1	4
2	Impact of physiological noise in characterizing the functional MRI default-mode network in Alzheimer's disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 166-181.	2.4	9
3	Distributed source modeling of intracranial stereoelectro-encephalographic measurements. <i>NeuroImage</i> , 2021, 230, 117746.	2.1	9
4	Trail Making Test Performance Using a Touch-Sensitive Tablet: Behavioral Kinematics and Electroencephalography. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 663463.	1.0	6
5	Seizure Frequency Is Associated with Effective Connectivity of the Hippocampal-Diencephalic-Cingulate in Epilepsy with Unilateral Mesial Temporal Sclerosis. <i>Brain Connectivity</i> , 2021, 11, 457-470.	0.8	5
6	Combining Noninvasive Electromagnetic and Hemodynamic Measures of Human Brain Activity. , 2021, , 179-193.		1
7	Hemodynamic changes in response to excitatory and inhibitory modulations by transcranial magnetic stimulation at the human sensorimotor cortex. <i>Brain Stimulation</i> , 2021, 14, 1611-1612.	0.7	0
8	The impulse noise of TMS inside a 3 T and 9.4 T MRI. <i>Brain Stimulation</i> , 2021, 14, 1606.	0.7	1
9	Investigating the genesis of evoked responses by invasive electrophysiological recording and direct stimulation in the human brain. <i>Brain Stimulation</i> , 2021, 14, 1685.	0.7	0
10	An orthogonal shim coil for 3T brain imaging. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1499-1511.	1.9	11
11	Concurrent electrophysiological and hemodynamic measurements of evoked neural oscillations in human visual cortex using sparsely interleaved fast fMRI and EEG. <i>NeuroImage</i> , 2020, 217, 116910.	2.1	2
12	Multivariate Identification of Functional Neural Networks Underpinning Humorous Movie Viewing. <i>Frontiers in Psychology</i> , 2020, 11, 547353.	1.1	2
13	Reduced synchronized brain activity in schizophrenia during viewing of comedy movies. <i>Scientific Reports</i> , 2019, 9, 12738.	1.6	15
14	Differential brain mechanisms during reading human vs. machine translated fiction and news texts. <i>Scientific Reports</i> , 2019, 9, 13251.	1.6	2
15	Reduction of lipid contamination in MR spectroscopy imaging using signal space projection. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1486-1498.	1.9	6
16	Premature white matter aging in patients with right mesial temporal lobe epilepsy: A machine learning approach based on diffusion MRI data. <i>NeuroImage: Clinical</i> , 2019, 24, 102033.	1.4	22
17	A Flexible and Modular Receiver Coil Array for Magnetic Resonance Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 824-833.	5.4	6
18	Ultra-Low-Field MRI and Its Combination with MEG. , 2019, , 1-33.		0

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19	Ultra-Low-Field MRI and Its Combination with MEG. , 2019, , 1261-1293.		0
20	The sequence of cortical activity inferred by response latency variability in the human ventral pathway of face processing. Scientific Reports, 2018, 8, 5836.	1.6	5
21	Incongruent pitch cues are associated with increased activation and functional connectivity in the frontal areas. Scientific Reports, 2018, 8, 5206.	1.6	2
22	Relative latency and temporal variability of hemodynamic responses at the human primary visual cortex. NeuroImage, 2018, 164, 194-201.	2.1	34
23	Feature-dependent intrinsic functional connectivity across cortical depths in the human auditory cortex. Scientific Reports, 2018, 8, 13287.	1.6	9
24	Deficient Emotional Intelligence and Dysfunctional Early Emotional Prosody Processing Varying with the Severity of Auditory Hallucinations in Schizophrenics. Neuropsychiatry, 2018, 08, .	0.4	0
25	Hippocampal Atrophy Is Associated with Altered Hippocampusâ€“Posterior Cingulate Cortex Connectivity in Mesial Temporal Lobe Epilepsy with Hippocampal Sclerosis. American Journal of Neuroradiology, 2017, 38, 626-632.	1.2	8
26	Cognitive impairment and hippocampal atrophy in chronic kidney disease. Acta Neurologica Scandinavica, 2017, 136, 477-485.	1.0	30
27	The neural mechanism underpinning balance calibration between action inhibition and activation initiated by reward motivation. Scientific Reports, 2017, 7, 9722.	1.6	3
28	Decoupled dynamic magnetic field measurements improves diffusion-weighted magnetic resonance images. Scientific Reports, 2017, 7, 11630.	1.6	7
29	Mitigation of B1+ inhomogeneity using spatially selective excitation with jointly designed quadratic spatial encoding magnetic fields and RF shimming. Magnetic Resonance in Medicine, 2017, 78, 577-587.	1.9	1
30	Simultaneous multi-slice inverse imaging of the human brain. Scientific Reports, 2017, 7, 17019.	1.6	17
31	A 32-Channel Head Coil Array with Circularly Symmetric Geometry for Accelerated Human Brain Imaging. PLoS ONE, 2016, 11, e0149446.	1.1	3
32	Rotary scanning acquisition in ultraâ€“lowâ€“field MRI. Magnetic Resonance in Medicine, 2016, 75, 2255-2264.	1.9	1
33	Magnetic resonance imaging receiver coil decoupling using circumferential shielding structures. , 2016, 2016, 6254-6257.		2
34	Brain hemodynamic activity during viewing and re-viewing of comedy movies explained by experienced humor. Scientific Reports, 2016, 6, 27741.	1.6	43
35	Integrated RF-shim coil allowing two degrees of freedom shim current. , 2016, 2016, 6246-6249.		1
36	Combining parallel detection of proton echo planar spectroscopic imaging (PEPSI) measurements with a data-consistency constraint improves SNR. NMR in Biomedicine, 2015, 28, 1678-1687.	1.6	0

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37	Significant feed-forward connectivity revealed by high frequency components of BOLD fMRI signals. <i>NeuroImage</i> , 2015, 121, 69-77.	2.1	31
38	Increasing fMRI Sampling Rate Improves Granger Causality Estimates. <i>PLoS ONE</i> , 2014, 9, e100319.	1.1	28
39	Enhanced neural synchrony between left auditory and premotor cortex is associated with successful phonetic categorization. <i>Frontiers in Psychology</i> , 2014, 5, 394.	1.1	34
40	Improving the spatial resolution of magnetic resonance inverse imaging via the blipped-CAIPI acquisition scheme. <i>NeuroImage</i> , 2014, 91, 401-411.	2.1	5
41	Mitigate B_1 inhomogeneity using spatially selective radiofrequency excitation with generalized spatial encoding magnetic fields. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 1458-1469.	1.9	5
42	Efficient concomitant and remanence field artifact reduction in ultra-low-field MRI using a frequency-space formulation. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 955-965.	1.9	6
43	Ultra-Low-Field MRI and Its Combination with MEG. , 2014, , 941-972.		2
44	Sparse current source estimation for MEG using loose orientation constraints. <i>Human Brain Mapping</i> , 2013, 34, 2190-2201.	1.9	12
45	Enhanced Spontaneous Oscillations in the Supplementary Motor Area Are Associated with Sleep-Dependent Offline Learning of Finger-Tapping Motor-Sequence Task. <i>Journal of Neuroscience</i> , 2013, 33, 13894-13902.	1.7	80
46	fMRI hemodynamics accurately reflects neuronal timing in the human brain measured by MEG. <i>NeuroImage</i> , 2013, 78, 372-384.	2.1	36
47	Whole-head rapid fMRI acquisition using echo-shifted magnetic resonance inverse imaging. <i>NeuroImage</i> , 2013, 78, 325-338.	2.1	35
48	Multidimensionally encoded magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 86-96.	1.9	19
49	Mitigate B_1 inhomogeneity by nonlinear gradients and RF shimming. , 2013, 2013, 1085-8.		3
50	Noise amplification in parallel whole-head ultra-low-field magnetic resonance imaging using 306 detectors. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 595-600.	1.9	7
51	Suppressing Multi-Channel Ultra-Low-Field MRI Measurement Noise Using Data Consistency and Image Sparsity. <i>PLoS ONE</i> , 2013, 8, e61652.	1.1	6
52	Effective Cerebral Connectivity during Silent Speech Reading Revealed by Functional Magnetic Resonance Imaging. <i>PLoS ONE</i> , 2013, 8, e80265.	1.1	20
53	Combination of MEG and MRI in one setup. <i>Biomedizinische Technik</i> , 2012, 57, .	0.9	0
54	Dynamic retrospective filtering of physiological noise in BOLD fMRI: DRIFTER. <i>NeuroImage</i> , 2012, 60, 1517-1527.	2.1	127

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55	Ultrafast inverse imaging techniques for fMRI. <i>NeuroImage</i> , 2012, 62, 699-705.	2.1	40
56	Multi-projection magnetic resonance inverse imaging of the human visuomotor system. <i>NeuroImage</i> , 2012, 61, 304-313.	2.1	7
57	Reconstruction of MRI data encoded by multiple nonbijective curvilinear magnetic fields. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 1145-1156.	1.9	31
58	Physiological noise reduction using volumetric functional magnetic resonance inverse imaging. <i>Human Brain Mapping</i> , 2012, 33, 2815-2830.	1.9	26
59	Dissociable Influences of Auditory Object vs. Spatial Attention on Visual System Oscillatory Activity. <i>PLoS ONE</i> , 2012, 7, e38511.	1.1	12
60	Functional magnetic resonance inverse imaging of human visuomotor systems using eigenspace linearly constrained minimum amplitude (eLCMA) beamformer. <i>NeuroImage</i> , 2011, 55, 87-100.	2.1	7
61	Attention-driven auditory cortex short-term plasticity helps segregate relevant sounds from noise. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4182-4187.	3.3	99
62	Ultra-low-field magnetic resonance imaging combined with magnetoencephalography. , 2011, , .		0
63	Parallel Magnetic Resonance Imaging Acquisition and Reconstruction: Application to Functional and Spectroscopic Imaging in Human Brain. , 2011, , 245-262.		0
64	Cancellation of EEG and MEG signals generated by extended and distributed sources. <i>Human Brain Mapping</i> , 2010, 31, 140-149.	1.9	111
65	Primary and multisensory cortical activity is correlated with audiovisual percepts. <i>Human Brain Mapping</i> , 2010, 31, 526-538.	1.9	72
66	Onset timing of cross-sensory activations and multisensory interactions in auditory and visual sensory cortices. <i>European Journal of Neuroscience</i> , 2010, 31, 1772-1782.	1.2	107
67	Long-Range Coupling of Prefrontal Cortex and Visual (MT) or Polysensory (STP) Cortical Areas in Motion Perception. <i>IFMBE Proceedings</i> , 2010, , 298-301.	0.2	3
68	Spatially sparse source cluster modeling by compressive neuromagnetic tomography. <i>NeuroImage</i> , 2010, 53, 146-160.	2.1	38
69	MEG cortical activation during sleep correlated with improvement of a motor sequence learning. <i>Neuroscience Research</i> , 2010, 68, e77.	1.0	0
70	K-space reconstruction of magnetic resonance inverse imaging (K-Inv) of human visuomotor systems. <i>NeuroImage</i> , 2010, 49, 3086-3098.	2.1	23
71	Anatomically and Functionally Constrained Minimum-Norm Estimates. , 2010, , 186-215.		14
72	The Compressible Estimate (CE) of MEG Current Sources. <i>IFMBE Proceedings</i> , 2010, , 159-162.	0.2	0

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73	Functional and effective connectivity of visuomotor control systems demonstrated using generalized partial least squares and structural equation modeling. <i>Human Brain Mapping</i> , 2009, 30, 2232-2251.	1.9	11
74	Dynamic Granger-Geweke causality modeling with application to interictal spike propagation. <i>Human Brain Mapping</i> , 2009, 30, 1877-1886.	1.9	42
75	Single-shot magnetic resonance spectroscopic imaging with partial parallel imaging. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 541-547.	1.9	34
76	Dynamic Frequency-Domain Conditional Granger Causality Applied to Magnetoencephalography. <i>NeuroImage</i> , 2009, 47, S148.	2.1	0
77	Superresolution parallel magnetic resonance imaging: Application to functional and spectroscopic imaging. <i>NeuroImage</i> , 2009, 47, 220-230.	2.1	21
78	Modeling Adaptation Effects in fMRI Analysis. <i>Lecture Notes in Computer Science</i> , 2009, 12, 1009-1017.	1.0	2
79	Accelerated proton echo planar spectroscopic imaging (PEPSI) using GRAPPA with a 32-channel phased-array coil. <i>Magnetic Resonance in Medicine</i> , 2008, 59, 989-998.	1.9	63
80	Parallel input makes the brain run faster. <i>NeuroImage</i> , 2008, 40, 1792-1797.	2.1	40
81	Event-related single-shot volumetric functional magnetic resonance inverse imaging of visual processing. <i>NeuroImage</i> , 2008, 42, 230-247.	2.1	45
82	Stimulus-induced Rotary Saturation (SIRS): A potential method for the detection of neuronal currents with MRI. <i>NeuroImage</i> , 2008, 42, 1357-1365.	2.1	41
83	Linear constraint minimum variance beamformer functional magnetic resonance inverse imaging. <i>NeuroImage</i> , 2008, 43, 297-311.	2.1	35
84	Lexical influences on speech perception: A Granger causality analysis of MEG and EEG source estimates. <i>NeuroImage</i> , 2008, 43, 614-623.	2.1	153
85	Magnetoencephalographic Mapping of Interictal Spike Propagation: A Technical and Clinical Report. <i>American Journal of Neuroradiology</i> , 2007, 28, 1486-1488.	1.2	26
86	Superresolution Parallel MRI. , 2007, , .		1
87	Imaging of oscillatory cortical activity using combined MEG and fMRI. <i>International Congress Series</i> , 2007, 1300, 19-22.	0.2	1
88	MRI-constrained spectral imaging of benzodiazepine modulation of spontaneous neuromagnetic activity in human cortex. <i>NeuroImage</i> , 2007, 35, 577-582.	2.1	41
89	Sensitivity-encoded (SENSE) proton echo-planar spectroscopic imaging (PEPSI) in the human brain. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 249-257.	1.9	78
90	Fast mapping of the T2 relaxation time of cerebral metabolites using proton echo-planar spectroscopic imaging (PEPSI). <i>Magnetic Resonance in Medicine</i> , 2007, 57, 859-865.	1.9	33

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91	Parallel MRI reconstruction using variance partitioning regularization. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 735-744.	1.9	28
92	Accelerated shortâ€TTE 3D proton echoâ€planar spectroscopic imaging using 2Dâ€SSENSE with a 32â€channel array coil. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 1107-1116.	1.9	40
93	Assessing and improving the spatial accuracy in MEG source localization by depth-weighted minimum-norm estimates. <i>NeuroImage</i> , 2006, 31, 160-171.	2.1	420
94	Distributed current estimates using cortical orientation constraints. <i>Human Brain Mapping</i> , 2006, 27, 1-13.	1.9	281
95	Dynamic magnetic resonance inverse imaging of human brain function. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 787-802.	1.9	93
96	PROPELLER-EPI with parallel imaging using a circularly symmetric phased-array RF coil at 3.0 T: Application to high-resolution diffusion tensor imaging. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 1352-1358.	1.9	40
97	Task-modulated "what" and "where" pathways in human auditory cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 14608-14613.	3.3	315
98	Functional MRI using regularized parallel imaging acquisition. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 343-353.	1.9	48
99	PROPELLER EPI: An MRI technique suitable for diffusion tensor imaging at high field strength with reduced geometric distortions. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 1232-1240.	1.9	115
100	Human posterior auditory cortex gates novel sounds to consciousness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 6809-6814.	3.3	395
101	Parallel imaging reconstruction using automatic regularization. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 559-567.	1.9	232
102	Spectral spatiotemporal imaging of cortical oscillations and interactions in the human brain. <i>NeuroImage</i> , 2004, 23, 582-595.	2.1	169
103	A wavelet-based approximation of surface coil sensitivity profiles for correction of image intensity inhomogeneity and parallel imaging reconstruction. <i>Human Brain Mapping</i> , 2003, 19, 96-111.	1.9	68
104	Degenerate mode birdcage volume coil for sensitivity-encoded imaging. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 1107-1111.	1.9	18
105	Multivariate analysis of neuronal interactions in the generalized partial least squares framework: simulations and empirical studies. <i>NeuroImage</i> , 2003, 20, 625-642.	2.1	54
106	Correction to "Quantitative analysis of magnetic resonance radio-frequency coils based on method of moment". <i>IEEE Transactions on Magnetics</i> , 2000, 36, 410-410.	1.2	0
107	Quantitative analysis of magnetic resonance radio-frequency coils based on method of moments. <i>IEEE Transactions on Magnetics</i> , 1999, 35, 2118-2127.	1.2	12
108	Quantitative spectral/spatial analysis of phased array coil in magnetic resonance imaging based on method of moment. <i>IEEE Transactions on Medical Imaging</i> , 1999, 18, 1129-1137.	5.4	13

#	ARTICLE	IF	CITATIONS
109	Quantitative spatial/spectral analysis of magnetic resonance imaging surface and phased array coils of arbitrary geometry based on method of moment. , 0, , .		0
110	Removing signal intensity inhomogeneity from surface coil MRI using discrete wavelet transform and wavelet packet. , 0, , .		2
111	The Compressible Estimate (CE) of MEG Current Sources. <i>Frontiers in Neuroscience</i> , 0, 4, .	1.4	0
112	Assessing causal interaction in human brain using conditional mutual information and transfer entropy. <i>Frontiers in Neuroscience</i> , 0, 4, .	1.4	0
113	Ballistocardiogram suppression in concurrent <scp>EEG&MRI</scp> by dynamic modeling of heartbeats. <i>Human Brain Mapping</i> , 0, , .	1.9	1