Dynamics of blood flow and oxygenation changes durin model

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Citation Report

IF

ARTICLE

1	Information Mining in Brain Data. , 0, , .		0
2	1 Micron CMOS Technology. , 1988, , .		0
3	Motion Opponency in Visual Cortex. Journal of Neuroscience, 1999, 19, 7162-7174.	1.7	284
4	Properties of therealization of inner functions. , 1999, , .		1
5	Signal-, Set- and Movement-related Activity in the Human Brain: An Event-related fMRI Study. Cerebral Cortex, 1999, 9, 35-49.	1.6	174
6	Evidence of a Cerebrovascular Postarteriole Windkessel with Delayed Compliance. Journal of Cerebral Blood Flow and Metabolism, 1999, 19, 679-689.	2.4	480
7	Linking visual perception with human brain activity. Current Opinion in Neurobiology, 1999, 9, 474-479.	2.0	30
8	Functional MR Imaging of the Human Brain Using FLASH: Influence of Various Imaging Parameters. Journal of Magnetic Resonance, 1999, 140, 162-171.	1.2	8
9	Investigation of the early response to rat forepaw stimulation. Magnetic Resonance in Medicine, 1999, 41, 247-252.	1.9	80
10	Further evaluation of the initial negative response in functional magnetic resonance imaging. Magnetic Resonance in Medicine, 1999, 41, 436-441.	1.9	64
11	Regional heterogeneity in the brain's response to hypoxia measured using BOLD MR imaging. Magnetic Resonance in Medicine, 1999, 41, 850-854.	1.9	39
12	Detection of the early negative response in fMRI at 1.5 Tesla. Magnetic Resonance in Medicine, 1999, 41, 1088-1092.	1.9	62
13	Titration of the BOLD effect: Separation and quantitation of blood volume and oxygenation changes in the human cerebral cortex during neuronal activation and ferumoxide infusion. Magnetic Resonance in Medicine, 1999, 42, 829-836.	1.9	38
14	Investigation of BOLD signal dependence on cerebral blood flow and oxygen consumption: The deoxyhemoglobin dilution model. Magnetic Resonance in Medicine, 1999, 42, 849-863.	1.9	538
15	MRI measurement of the temporal evolution of relative CMRO2 during rat forepaw stimulation. Magnetic Resonance in Medicine, 1999, 42, 944-951.	1.9	209
16	Origin of the signal undershoot in BOLD studies of the visual cortex. NMR in Biomedicine, 1999, 12, 299-308.	1.6	15
17	Increased Cortical Oxidative Metabolism Due to Sensory Stimulation: Implications for Functional Brain Imaging. Science, 1999, 286, 1555-1558.	6.0	307
18	Stimulus-Dependent BOLD and Perfusion Dynamics in Human V1. NeuroImage, 1999, 9, 573-585.	2.1	115

#	Article	IF	CITATIONS
19	Regional Variability of Cerebral Blood Oxygenation Response to Hypercapnia. Neurolmage, 1999, 10, 675-681.	2.1	125
20	Deconvolution of Impulse Response in Event-Related BOLD fMRI1. NeuroImage, 1999, 9, 416-429.	2.1	1,220
21	Functional magnetic resonance imaging: imaging techniques and contrast mechanisms. Philosophical Transactions of the Royal Society B: Biological Sciences, 1999, 354, 1179-1194.	1.8	54
22	Statistical limitations in functional neuroimaging. I. Non-inferential methods and statistical models. Philosophical Transactions of the Royal Society B: Biological Sciences, 1999, 354, 1239-1260.	1.8	112
23	Simultaneous monitoring of dynamic changes in cerebral blood flow and oxygenation during sustained activation of the human visual cortex. NeuroReport, 1999, 10, 2939-2943.	0.6	30
24	Does stimulus quality affect the physiologic MRI responses to brief visual activation?. NeuroReport, 1999, 10, 1277-1281.	0.6	15
25	<title>Optimal linear filter for fMRI analysis</title> ., 2000, 3979, 787.		0
26	On the relation between brain images and brain neural networks. Human Brain Mapping, 2000, 9, 165-182.	1.9	33
27	Event-related fMRI contrast when using constant interstimulus interval: Theory and experiment. Magnetic Resonance in Medicine, 2000, 43, 540-548.	1.9	220
28	Comparison of the hemodynamic response to different visual stimuli in single-event and block stimulation fMRI experiments. Journal of Magnetic Resonance Imaging, 2000, 12, 708-714.	1.9	32
29	Comparison of simultaneously measured perfusion and BOLD signal increases during brain activation withT1-based tissue identification. Magnetic Resonance in Medicine, 2000, 44, 137-143.	1.9	130
30	Spatiotemporal dynamics of the BOLD fMRI signals: Toward mapping submillimeter cortical columns using the early negative response. Magnetic Resonance in Medicine, 2000, 44, 231-242.	1.9	181
31	Turbo ASL: Arterial spin labeling with higher SNR and temporal resolution. Magnetic Resonance in Medicine, 2000, 44, 511-515.	1.9	52
32	Oxymetry by magnetic resonance: applications to animal biology and medicine. Progress in Nuclear Magnetic Resonance Spectroscopy, 2000, 36, 241-270.	3.9	39
33	Post-stimulus response in hemodynamics observed by functional magnetic resonance imaging—difference between the primary sensorimotor area and the supplementary motor area. Magnetic Resonance Imaging, 2000, 18, 1215-1219.	1.0	14
34	Quantitative Comparison of Functional Contrast from BOLD-Weighted Spin-Echo and Gradient-Echo Echoplanar Imaging at 1.5 Tesla and H215O PET in the Whole Brain. Journal of Cerebral Blood Flow and Metabolism, 2000, 20, 1331-1340.	2.4	32
35	Spikes versus BOLD: what does neuroimaging tell us about neuronal activity?. Nature Neuroscience, 2000, 3, 631-633.	7.1	336
36	Growth of the NMDA receptor industrial complex. Nature Neuroscience, 2000, 3, 633-635.	7.1	46

#	Article	IF	CITATIONS
37	Activity in primary visual cortex predicts performance in a visual detection task. Nature Neuroscience, 2000, 3, 940-945.	7.1	464
38	Technical challenges of functional magnetic resonance imaging. IEEE Engineering in Medicine and Biology Magazine, 2000, 19, 42-54.	1.1	16
39	New Insights into the Hemodynamic Blood Oxygenation Level-Dependent Response through Combination of Functional Magnetic Resonance Imaging and Optical Recording in Gerbil Barrel Cortex. Journal of Neuroscience, 2000, 20, 3328-3338.	1.7	100
40	The Effects of Presentation Rate During Word and Pseudoword Reading: A Comparison of PET and fMRI. Journal of Cognitive Neuroscience, 2000, 12, 145-156.	1.1	113
41	Cortical reafferentation following left subcortical hemorrhage: A serial functional MR study. Neurology, 2000, 55, 1227-1231.	1.5	13
42	Frequency-dependent responses exhibited by multiple regions in human auditory cortex. Hearing Research, 2000, 150, 225-244.	0.9	155
43	Linear coupling between functional magnetic resonance imaging and evoked potential amplitude in human somatosensory cortex. Neuroscience, 2000, 101, 803-806.	1.1	120
44	Hemodynamic responses to photic stimulation in neonates. Pediatric Neurology, 2000, 23, 323-327.	1.0	53
45	Effect of ethanol on BOLD response to acoustic stimulation: implications for neuropharmacological fMRI. Psychiatry Research - Neuroimaging, 2000, 99, 1-13.	0.9	55
46	Evidence for a Refractory Period in the Hemodynamic Response to Visual Stimuli as Measured by MRI. NeuroImage, 2000, 11, 547-553.	2.1	138
47	Testing for Neural Responses during Temporal Components of Trials with BOLD fMRI. NeuroImage, 2000, 11, 783-796.	2.1	51
48	Characterizing the Hemodynamic Response: Effects of Presentation Rate, Sampling Procedure, and the Possibility of Ordering Brain Activity Based on Relative Timing. NeuroImage, 2000, 11, 735-759.	2.1	876
49	Nonlinear Responses in fMRI: The Balloon Model, Volterra Kernels, and Other Hemodynamics. NeuroImage, 2000, 12, 466-477.	2.1	1,060
50	Assessment of Hemodynamic Response during Focal Neural Activity in Human Using Bolus Tracking, Arterial Spin Labeling and BOLD Techniques. NeuroImage, 2000, 12, 442-451.	2.1	44
51	Modeling the hemodynamic response in fMRI using smooth FIR filters. IEEE Transactions on Medical Imaging, 2000, 19, 1188-1201.	5.4	173
53	The Effects of Aging upon the Hemodynamic Response Measured by Functional MRI. NeuroImage, 2001, 13, 161-175.	2.1	276
54	Increased Oxygen Consumption Following Activation of Brain: Theoretical Footnotes Using Spectroscopic Data from Barrel Cortex. NeuroImage, 2001, 13, 975-987.	2.1	91
55	The Elusive Initial Dip. NeuroImage, 2001, 13, 953-958.	2.1	194

#	Article	IF	CITATIONS
56	Effect of Respiratory CO2 Changes on the Temporal Dynamics of the Hemodynamic Response in Functional MR Imaging. NeuroImage, 2001, 14, 642-649.	2.1	60
57	Spatial Heterogeneity of the Nonlinear Dynamics in the FMRI BOLD Response. NeuroImage, 2001, 14, 817-826.	2.1	220
58	Nonlinear Coupling between Evoked rCBF and BOLD Signals: A Simulation Study of Hemodynamic Responses. Neurolmage, 2001, 14, 862-872.	2.1	63
59	Regional Differences in the Refractory Period of the Hemodynamic Response: An Event-Related fMRI Study. NeuroImage, 2001, 14, 967-976.	2.1	88
60	Effect of graded hypo- and hypercapnia on fMRI contrast in visual cortex: Quantification ofT*2 changes by multiecho EPI. Magnetic Resonance in Medicine, 2001, 46, 264-271.	1.9	97
61	Detection Power, Estimation Efficiency, and Predictability in Event-Related fMRI. NeuroImage, 2001, 13, 759-773.	2.1	251
62	Clinical f MRI. Current Protocols in Magnetic Resonance Imaging, 2001, 1, A6.0.1.	0.0	0
63	BOLD Contrast on a 3 T Magnet: Detectability of the Motor Areas. Journal of Computer Assisted Tomography, 2001, 25, 436-445.	0.5	11
64	Event-related functional imaging and episodic memory. Neuroscience and Biobehavioral Reviews, 2001, 25, 545-554.	2.9	7
65	Mapping of brain activation in response to pharmacological agents using fMRI in the rat. Magnetic Resonance Imaging, 2001, 19, 905-919.	1.0	43
66	Neuroimaging at 1.5 T and 3.0 T: Comparison of oxygenation-sensitive magnetic resonance imaging. Magnetic Resonance in Medicine, 2001, 45, 595-604.	1.9	301
67	Perfusion imaging using spin-labeling methods: Contrast- to-noise comparison in functional MRI applications. Magnetic Resonance in Medicine, 2001, 46, 172-182.	1.9	29
68	Coupling of neural activity and BOLD fMRI response: New insights by combination of fMRI and VEP experiments in transition from single events to continuous stimulation. Magnetic Resonance in Medicine, 2001, 46, 482-486.	1.9	68
69	A qualitative test of the balloon model for BOLD-based MR signal changes at 3T. Magnetic Resonance in Medicine, 2001, 46, 891-899.	1.9	53
70	Decoupling of the short-term hemodynamic response and the blood oxygen concentration. NMR in Biomedicine, 2001, 14, 402-407.	1.6	5
71	Comparison of the experimental BOLD signal change in event-related fMRI with the balloon model. NMR in Biomedicine, 2001, 14, 397-401.	1.6	10
72	Nonlinear temporal dynamics of the cerebral blood flow response. Human Brain Mapping, 2001, 13, 1-12.	1.9	183
73	Feature-space clustering for fMRI meta-analysis. Human Brain Mapping, 2001, 13, 165-183.	1.9	123

#	Article	IF	CITATIONS
74	A 4D approach to the analysis of functional brain images: Application to FMRI data. Human Brain Mapping, 2001, 13, 185-198.	1.9	8
75	Early discrimination of coherent versus incoherent motion by multiunit and synaptic activity in human putative MT+. Human Brain Mapping, 2001, 13, 226-238.	1.9	46
76	Modelling of the coupling between brain electrical activity and metabolism. Acta Biotheoretica, 2001, 49, 301-326.	0.7	43
77	Dynamic Changes in Cerebral Blood Flow, O2 Tension, and Calculated Cerebral Metabolic Rate of O2 during Functional Activation Using Oxygen Phosphorescence Quenching. Journal of Cerebral Blood Flow and Metabolism, 2001, 21, 511-516.	2.4	61
78	Systems Analysis of Functional Magnetic Resonance Imaging Data Using a Physiologic Model of Venous Oxygenation. Journal of Cerebral Blood Flow and Metabolism, 2001, 21, 517-528.	2.4	5
79	From neuron to BOLD: new connections. Nature Neuroscience, 2001, 4, 864-866.	7.1	101
80	Neurophysiological investigation of the basis of the fMRI signal. Nature, 2001, 412, 150-157.	13.7	5,739
81	Spatiotemporal mapping of brain activity by integration of multiple imaging modalities. Current Opinion in Neurobiology, 2001, 11, 202-208.	2.0	329
82	Spatial localization and resolution of BOLD fMRI. Current Opinion in Neurobiology, 2001, 11, 209-212.	2.0	16
83	Supertemporal resolution of functional MRI timecourse data. , 0, , .		0
84	Rapid Distributed Fronto-parieto-occipital Processing Stages During Working Memory in Humans. Cerebral Cortex, 2002, 12, 710-728.	1.6	112
85	Paradoxical correlation between signal in functional magnetic resonance imaging and deoxygenated haemoglobin content in capillaries: a new theoretical explanation. Physics in Medicine and Biology, 2002, 47, 1121-1141.	1.6	124
86	Meeting Report: Choosing the Right MR Tools for the Job. Journal of Cognitive Neuroscience, 2002, 14, 806-815.	1.1	3
87	Age-Dependent Change in Metabolic Response to Photic Stimulation of the Primary Visual Cortex in Infants: Functional Magnetic Resonance Imaging Study. Journal of Computer Assisted Tomography, 2002, 26, 894-901.	0.5	36
88	What does fMRI tell us about neuronal activity?. Nature Reviews Neuroscience, 2002, 3, 142-151.	4.9	833
89	Modeling & analysis. NeuroImage, 2002, 16, 769-1198.	2.1	68
90	The neural basis of the blood–oxygen–level–dependent functional magnetic resonance imaging signal. Philosophical Transactions of the Royal Society B: Biological Sciences, 2002, 357, 1003-1037.	1.8	786
91	Negative Dip in BOLD fMRI Is Caused by Blood Flow— Oxygen Consumption Uncoupling In Humans. NeuroImage, 2002, 15, 98-102.	2.1	94

#	Article	IF	CITATIONS
92	An Investigation of the Value of Spin-Echo-Based fMRI Using a Stroop Color–Word Matching Task and EPI at 3 T. NeuroImage, 2002, 15, 719-726.	2.1	118
93	Temporal Sensitivity of Event-Related fMRI. NeuroImage, 2002, 17, 1018-1026.	2.1	31
94	Rapid Simultaneous Mapping of T2 and T2* by Multiple Acquisition of Spin and Gradient Echoes Using Interleaved Echo Planar Imaging (MASAGE-IEPI). NeuroImage, 2002, 15, 992-1002.	2.1	16
95	Bayesian Estimation of Dynamical Systems: An Application to fMRI. NeuroImage, 2002, 16, 513-530.	2.1	315
96	Simultaneous EEC-Correlated Ictal fMRI. NeuroImage, 2002, 16, 32-40.	2.1	126
97	A Model of the Hemodynamic Response and Oxygen Delivery to Brain. NeuroImage, 2002, 16, 617-637.	2.1	158
98	The BOLD Response to Interictal Epileptiform Discharges. NeuroImage, 2002, 17, 1182-1192.	2.1	199
99	Habituation of the Visually Evoked Potential and Its Vascular Response: Implications for Neurovascular Coupling in the Healthy Adult. NeuroImage, 2002, 17, 1-18.	2.1	126
100	Intervoxel Heterogeneity of Event-Related Functional Magnetic Resonance Imaging Responses as a Function of T1 Weighting. NeuroImage, 2002, 17, 943-955.	2.1	48
101	A Model of the Coupling between Brain Electrical Activity, Metabolism, and Hemodynamics: Application to the Interpretation of Functional Neuroimaging. NeuroImage, 2002, 17, 1162-1181.	2.1	158
102	A Quantitative Comparison of Simultaneous BOLD fMRI and NIRS Recordings during Functional Brain Activation. NeuroImage, 2002, 17, 719-731.	2.1	1,092
103	Human Brain Activity during Illusory Visual Jitter as Revealed by Functional Magnetic Resonance Imaging. Neuron, 2002, 35, 1147-1156.	3.8	29
104	Sustained Negative BOLD, Blood Flow and Oxygen Consumption Response and Its Coupling to the Positive Response in the Human Brain. Neuron, 2002, 36, 1195-1210.	3.8	565
105	Dynamic nonlinearities in BOLD contrast: neuronal or hemodynamic?. International Congress Series, 2002, 1235, 73-85.	0.2	8
106	Spatio-temporal characteristics of neurovascular coupling in the anesthetized cat and the awake monkey. International Congress Series, 2002, 1235, 145-153.	0.2	2
107	Simultaneous measurements of brain tissue pO2 and cerebral blood flow during functional stimulation. International Congress Series, 2002, 1235, 155-163.	0.2	1
108	Role of functional magnetic resonance imaging in the evaluation of patients with malformations caused by cortical development. Neurosurgery Clinics of North America, 2002, 13, 63-69.	0.8	23
109	Sound-Level-Dependent Representation of Frequency Modulations in Human Auditory Cortex: A Low-Noise fMRI Study. Journal of Neurophysiology, 2002, 87, 423-433.	0.9	124

#	Article	IF	CITATIONS
110	Sound Repetition Rate in the Human Auditory Pathway: Representations in the Waveshape and Amplitude of fMRI Activation. Journal of Neurophysiology, 2002, 88, 1433-1450.	0.9	158
111	Arterial Spin Labeling Techniques. , 2002, , 351-388.		3
112	Bayesian estimation of the hemodynamic response function in functional MRI. AIP Conference Proceedings, 2002, , .	0.3	17
113	Functional MRI. , 2002, , 315-349.		10
114	Brain Activation. , 2002, , 41-62.		2
115	Mapping Brain Activation with BOLD-fMRI. , 2002, , 417-444.		0
116	Statistical Analysis of BOLD Data. , 2002, , 445-472.		1
117	Abnormal T2 relaxation time in the cerebellar vermis of adults sexually abused in childhood:. Psychoneuroendocrinology, 2002, 27, 231-244.	1.3	129
118	Regional differences of fMR signal changes induced by hyperventilation: Comparison between SE-EPI and GE-EPI at 3-T. Journal of Magnetic Resonance Imaging, 2002, 15, 23-30.	1.9	24
119	BOLD fMRI of the visual cortex: Quantitative responses measured with a graded stimulus at 1.5 Tesla. Journal of Magnetic Resonance Imaging, 2002, 16, 128-136.	1.9	20
120	Extravascular proton-density changes as a non-BOLD component of contrast in fMRI of the human spinal cord. Magnetic Resonance in Medicine, 2002, 48, 122-127.	1.9	81
121	Transient relationships among BOLD, CBV, and CBF changes in rat brain as detected by functional MRI. Magnetic Resonance in Medicine, 2002, 48, 987-993.	1.9	64
122	Factors related to the magnitude of T2* MR signal changes during functional imaging. Neuroradiology, 2002, 44, 459-466.	1.1	32
123	Oxidative and Nonoxidative Metabolism of Excited Neurons and Astrocytes. Journal of Cerebral Blood Flow and Metabolism, 2002, 22, 1-14.	2.4	159
124	Origin of Negative Blood Oxygenation Level—Dependent fMRI Signals. Journal of Cerebral Blood Flow and Metabolism, 2002, 22, 908-917.	2.4	329
125	Effect of Basal Conditions on the Magnitude and Dynamics of the Blood Oxygenation Level-Dependent fMRI Response. Journal of Cerebral Blood Flow and Metabolism, 2002, 22, 1042-1053.	2.4	338
126	A Stochastic Geometry Model for Functional Magnetic Resonance Images. Scandinavian Journal of Statistics, 2002, 29, 333-353.	0.9	17
127	Functional magnetic resonance imaging: basic principles of and application to developmental science. Developmental Science, 2002, 5, 301-309.	1.3	43

ARTICLE IF CITATIONS # Modeling of pathophysiological coupling between brain electrical activation, energy metabolism and 128 hemodynamics: insights for the interpretation of intracerebral tumor imaging. Acta Biotheoretica, 0.7 33 2002, 50, 281-295. 129 Title is missing!. Brain and Mind, 2002, 3, 367-373. BOLD fMRI response to direct stimulation (transcranial magnetic stimulation) of the motor cortex 131 1.4 16 shows no decline with age. Journal of Neural Transmission, 2003, 110, 495-507. Activation and deactivation in blood oxygenation level dependent functional magnetic resonance imaging. Concepts in Magnetic Resonance, 2003, 16A, 63-70. Robust Bayesian estimation of the hemodynamic response function in event-related BOLD fMRI using 133 1.9 119 basic physiological information. Human Brain Mapping, 2003, 19, 1-17. BOLD-fMRI response vs. transcranial magnetic stimulation (TMS) pulse-train length: Testing for linearity. Journal of Magnetic Resonance Imaging, 2003, 17, 279-290. Differences in the BOLD fMRI response to direct and indirect cortical stimulation in the rat. Magnetic 135 1.9 51 Resonance in Medicine, 2003, 49, 838-847. Functional magnetic resonance imaging based on changes in vascular space occupancy. Magnetic 1.9 428 Resonance in Medicine, 2003, 50, 263-274. Measuring the change in CBV upon cortical activation with high temporal resolution using 137 1.9 22 look-locker EPI and Gd-DTPA. Magnetic Resonance in Medicine, 2003, 50, 483-492. The physiology and metabolism of neuronal activation: in vivo studies by NMR and other methods. 1.0 34 Magnetic Resonance Imaging, 2003, 21, 1283-1293. BOLD signal sign and transient vessels volume variation. Magnetic Resonance Imaging, 2003, 21, 139 4 1.0 1207-1212. Influence of baseline hematocrit on between-subject BOLD signal change using gradient echo and 1.0 asymmetric spin echo EPI. Magnetic Resonance Imaging, 2003, 21, 599-607. A signal subspace approach for modeling the hemodynamic response function in fMRI. Magnetic 141 1.0 37 Resonance Imaging, 2003, 21, 835-843. The effect of task block arrangement on the detectability of activation in fMRI. Magnetic Resonance Imaging, 2003, 21, 941-947. 142 1.0 BOLD and Perfusion Response to Finger-Thumb Apposition after Acetazolamide Administration: Differential Relationship to Global Perfusion. Journal of Cerebral Blood Flow and Metabolism, 2003, 143 123 2.4 23, 829-837. Hemodynamic evoked response of the sensorimotor cortex measured noninvasively with near-infrared 144 1.2 263 optical imaging. Psychophysiology, 2003, 40, 548-560. Single-Neuron Activity and Tissue Oxygenation in the Cerebral Cortex. Science, 2003, 299, 1070-1072. 145 6.0 341 What aspect of the fMRI BOLD signal best reflects the underlying electrophysiology in human 146 99 somatosensory cortex?. Clinical Neurophysiology, 2003, 114, 1203-1209.

#	Article	IF	CITATIONS
147	Dynamic changes in the cerebral metabolic rate of o2 and oxygen extraction ratio in event-related functional MRI. NeuroImage, 2003, 18, 257-262.	2.1	9
148	The spatial extent of the BOLD response. NeuroImage, 2003, 19, 132-144.	2.1	73
149	Method for functional MRI mapping of nonlinear response. NeuroImage, 2003, 19, 190-199.	2.1	26
150	Adaptive analysis of fMRI data. NeuroImage, 2003, 19, 837-845.	2.1	179
151	The roles of changes in deoxyhemoglobin concentration and regional cerebral blood volume in the fMRI BOLD signal. NeuroImage, 2003, 19, 1521-1531.	2.1	128
152	Dynamic causal modelling. NeuroImage, 2003, 19, 1273-1302.	2.1	3,997
153	Differences in the hemodynamic response to event-related motor and visual paradigms as measured by near-infrared spectroscopy. NeuroImage, 2003, 20, 479-488.	2.1	239
154	Functional MRI in neonates using neonatal head coil and MR compatible incubator. NeuroImage, 2003, 20, 683-692.	2.1	76
155	Transient hemodynamics during a breath hold challenge in a two part functional imaging study with simultaneous near-infrared spectroscopy in adult humans. NeuroImage, 2003, 20, 1246-1252.	2.1	59
156	Sustained blood oxygenation and volume response to repetition rate-modulated sound in human auditory cortex. Neurolmage, 2003, 20, 1365-1370.	2.1	9
157	A Dynamic Causal Modeling Study on Category Effects: Bottom–Up or Top–Down Mediation?. Journal of Cognitive Neuroscience, 2003, 15, 925-934.	1.1	140
158	Imaging methods for evaluating brain function in man. Neurobiology of Aging, 2003, 24, S21-S35.	1.5	50
159	Studying spontaneous EEG activity with fMRI. Brain Research Reviews, 2003, 43, 110-133.	9.1	182
160	Functional MRI. , 0, , 413-453.		19
161	Unsupervised robust nonparametric estimation of the hemodynamic response function for any fmri experiment. IEEE Transactions on Medical Imaging, 2003, 22, 1235-1251.	5.4	114
162	Multiresolution fMRI activation detection using translation invariant wavelet transform and statistical analysis based on resampling. IEEE Transactions on Medical Imaging, 2003, 22, 302-314.	5.4	23
163	Temporal resolving power of perfusion- and BOLD-based event-related functional MRI. Medical Physics, 2003, 31, 154-160.	1.6	4
164	Decoupling of the Hemodynamic and Activation-induced Delays in Functional Magnetic Resonance Imaging. Journal of Computer Assisted Tomography, 2003, 27, 219-225.	0.5	17

#	ARTICLE	IF	CITATIONS
165	Functional brain imaging by CW-NIRS coregistered by blood flow monitors. , 2003, , .		0
166	Neuroimaging of Direction-Selective Mechanisms for Second-Order Motion. Journal of Neurophysiology, 2003, 90, 3242-3254.	0.9	72
167	Functional Brain Imaging and Human Brain Function. Journal of Neuroscience, 2003, 23, 3959-3962.	1.7	102
168	The Underpinnings of the BOLD Functional Magnetic Resonance Imaging Signal. Journal of Neuroscience, 2003, 23, 3963-3971.	1.7	880
169	Specific and Somatotopic Functional Magnetic Resonance Imaging Activation in the Trigeminal Ganglion by Brush and Noxious Heat. Journal of Neuroscience, 2003, 23, 7897-7903.	1.7	72
170	Neural Networks for fMRI Spatio-temporal Analysis. Lecture Notes in Computer Science, 2004, , 1292-1297.	1.0	1
172	Direct Comparison of Visual Cortex Activation in Human and Nonhuman Primates Using Functional Magnetic Resonance Imaging. Methods in Enzymology, 2004, 385, 102-134.	0.4	2
173	Magnetic Resonance Imaging of Brain Function. Methods in Enzymology, 2004, 385, 134-148.	0.4	2
175	Experimental design and analysis in functional MRI. , 2004, 2004, 5226-9.		0
176	"What―and "Where―in Visual Working Memory: A Computational Neurodynamical Perspective for Integrating fMRI and Single-Neuron Data. Journal of Cognitive Neuroscience, 2004, 16, 683-701.	1.1	113
177	Theoretical study of BOLD response to sinusoidal input. , 2004, 2006, 659-62.		4
178	Functional Signal- and Paradigm-Dependent Linear Relationships between Synaptic Activity and Hemodynamic Responses in Rat Somatosensory Cortex. Journal of Neuroscience, 2004, 24, 3850-3861.	1.7	93
179	Contrast mechanisms and acquisition methods in functional MRI. , 2004, 2004, 5219-22.		0
180	Arterial spin labeling for quantitative functional MRI. , 2004, 2004, 5230-3.		3
181	Sustained Poststimulus Elevation in Cerebral Oxygen Utilization after Vascular Recovery. Journal of Cerebral Blood Flow and Metabolism, 2004, 24, 764-770.	2.4	152
182	A Model of the Dynamic Relationship between Blood Flow and Volume Changes during Brain Activation. Journal of Cerebral Blood Flow and Metabolism, 2004, 24, 1382-1392.	2.4	59
183	An extended convolution dynamic model of fMRI BOLD response. Neurocomputing, 2004, 61, 395-400.	3.5	8
184	Biophysical models of fMRI responses. Current Opinion in Neurobiology, 2004, 14, 629-635.	2.0	99

#	Article	IF	CITATIONS
185	Interpreting the BOLD Signal. Annual Review of Physiology, 2004, 66, 735-769.	5.6	1,320
186	Advances in functional MRI of the human brain. Progress in Nuclear Magnetic Resonance Spectroscopy, 2004, 44, 1-32.	3.9	19
187	What the little differences between men and women tells us about the BOLD response. Magnetic Resonance Imaging, 2004, 22, 913-919.	1.0	6
188	Activation of neural pathways associated with sexual arousal in non-human primates. Journal of Magnetic Resonance Imaging, 2004, 19, 168-175.	1.9	101
189	How much luxury is there in â€~luxury perfusion'? an analysis of the BOLD response in the visual areas V1 and V2. Magnetic Resonance Imaging, 2004, 22, 921-928.	1.0	4
190	When more means less: a paradox BOLD response in human visual cortex. Magnetic Resonance Imaging, 2004, 22, 441-450.	1.0	20
191	Clustered Components Analysis for Functional MRI. IEEE Transactions on Medical Imaging, 2004, 23, 85-98.	5.4	20
192	Model-Independent Method for fMRI Analysis. IEEE Transactions on Medical Imaging, 2004, 23, 285-296.	5.4	13
193	Comparison of hemodynamic response nonlinearity across primary cortical areas. NeuroImage, 2004, 22, 1117-1117.	2.1	0
195	Comparing dynamic causal models. NeuroImage, 2004, 22, 1157-1157.	2.1	4
196	The application of functional magnetic resonance imaging to neuropharmacology. Current Opinion in Pharmacology, 2004, 4, 517-521.	1.7	32
197	Columnar Resolution of Blood Volume and Oximetry Functional Maps in the Behaving Monkey. Neuron, 2004, 42, 843-854.	3.8	97
198	Combination of event-related fMRI and diffusion tensor imaging in an infant with perinatal stroke. NeuroImage, 2004, 21, 463-472.	2.1	93
199	Discrepancies between BOLD and flow dynamics in primary and supplementary motor areas: application of the balloon model to the interpretation of BOLD transients. NeuroImage, 2004, 21, 144-153.	2.1	226
200	A state-space model of the hemodynamic approach: nonlinear filtering of BOLD signals. NeuroImage, 2004, 21, 547-567.	2.1	153
201	Towards a standard analysis for functional near-infrared imaging. NeuroImage, 2004, 21, 283-290.	2.1	213
202	An integrative MEG–fMRI study of the primary somatosensory cortex using cross-modal correspondence analysis. NeuroImage, 2004, 22, 120-133.	2.1	54
203	Constrained linear basis sets for HRF modelling using Variational Bayes. NeuroImage, 2004, 21, 1748-1761.	2.1	237

#	Article	IF	CITATIONS
204	Comparison of hemodynamic response nonlinearity across primary cortical areas. NeuroImage, 2004, 22, 1117-1127.	2.1	80
205	Comparing dynamic causal models. NeuroImage, 2004, 22, 1157-1172.	2.1	809
206	Coupling of cerebral blood flow and oxygen consumption during physiological activation and deactivation measured with fMRI. NeuroImage, 2004, 23, 148-155.	2.1	230
207	fMRI activation maps based on the NN-ARx model. NeuroImage, 2004, 23, 680-697.	2.1	40
208	Diffuse optical imaging of brain activation: approaches to optimizing image sensitivity, resolution, and accuracy. NeuroImage, 2004, 23, S275-S288.	2.1	627
209	Modeling the hemodynamic response to brain activation. NeuroImage, 2004, 23, S220-S233.	2.1	1,023
210	Modelling functional integration: a comparison of structural equation and dynamic causal models. NeuroImage, 2004, 23, S264-S274.	2.1	294
211	Advances in functional and structural MR image analysis and implementation as FSL. NeuroImage, 2004, 23, S208-S219.	2.1	11,375
212	Caffeine alters the temporal dynamics of the visual BOLD response. NeuroImage, 2004, 23, 1402-1413.	2.1	113
213	Investigating the physiology of brain activation with MRI. , 2004, , .		0
213 214	Investigating the physiology of brain activation with MRI. , 2004, , . Perfusion Imaging Using Arterial Spin Labeling. Topics in Magnetic Resonance Imaging, 2004, 15, 10-27.	0.7	0 234
		0.7	
214	Perfusion Imaging Using Arterial Spin Labeling. Topics in Magnetic Resonance Imaging, 2004, 15, 10-27. Magnetic Resonance Approaches to Brain Aging and Alzheimer Disease-associated Neuropathology.		234
214 215	Perfusion Imaging Using Arterial Spin Labeling. Topics in Magnetic Resonance Imaging, 2004, 15, 10-27. Magnetic Resonance Approaches to Brain Aging and Alzheimer Disease-associated Neuropathology. Topics in Magnetic Resonance Imaging, 2005, 16, 439-452. Studying brain function with concurrent near-infrared spectroscopy (NIRS) and functional magnetic		234 30
214 215 216	 Perfusion Imaging Using Arterial Spin Labeling. Topics in Magnetic Resonance Imaging, 2004, 15, 10-27. Magnetic Resonance Approaches to Brain Aging and Alzheimer Disease-associated Neuropathology. Topics in Magnetic Resonance Imaging, 2005, 16, 439-452. Studying brain function with concurrent near-infrared spectroscopy (NIRS) and functional magnetic resonance imaging (fMRI)., 2005, ,. A comparison of Gamma and Gaussian dynamic convolution models of the fMRI BOLD response. 	0.7	234 30 3
214 215 216 217	 Perfusion Imaging Using Arterial Spin Labeling. Topics in Magnetic Resonance Imaging, 2004, 15, 10-27. Magnetic Resonance Approaches to Brain Aging and Alzheimer Disease-associated Neuropathology. Topics in Magnetic Resonance Imaging, 2005, 16, 439-452. Studying brain function with concurrent near-infrared spectroscopy (NIRS) and functional magnetic resonance imaging (fMRI)., 2005, . A comparison of Gamma and Gaussian dynamic convolution models of the fMRI BOLD response. Magnetic Resonance Imaging, 2005, 23, 83-88. Mapping of the cerebral response to acetazolamide using graded asymmetric spin echo EPI. Magnetic 	0.7	234 30 3 16
214 215 216 217 218	 Perfusion Imaging Using Arterial Spin Labeling. Topics in Magnetic Resonance Imaging, 2004, 15, 10-27. Magnetic Resonance Approaches to Brain Aging and Alzheimer Disease-associated Neuropathology. Topics in Magnetic Resonance Imaging, 2005, 16, 439-452. Studying brain function with concurrent near-infrared spectroscopy (NIRS) and functional magnetic resonance imaging (fMRI)., 2005, ,. A comparison of Gamma and Gaussian dynamic convolution models of the fMRI BOLD response. Magnetic Resonance Imaging, 2005, 23, 83-88. Mapping of the cerebral response to acetazolamide using graded asymmetric spin echo EPI. Magnetic Resonance Imaging, 2005, 23, 907-920. Modelling of calcium dynamics in brain energy metabolism and Alzheimer's disease. Computational 	0.7	234 30 3 16 10

	CITATION N	LEPORT	
#	Article	IF	Citations
222	Measurement of brain activity by near-infrared light. Journal of Biomedical Optics, 2005, 10, 011008.	1.4	80
223	Long Duration Stimuli and Nonlinearities in the Neural–Haemodynamic Coupling. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, 651-661.	2.4	49
224	Spatiotemporal Evolution of Functional Hemodynamic Changes and Their Relationship to Neuronal Activity. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, 830-841.	2.4	89
225	Interaction between Astrocytes and Neurons Studied using a Mathematical Model of Compartmentalized Energy Metabolism. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, 1476-1490.	2.4	112
226	About being BOLD. Brain Research Reviews, 2005, 50, 229-243.	9.1	112
227	Continuous noninvasive monitoring of transcutaneous blood gases for a stable and persistent BOLD contrast in fMRI studies in the rat. NMR in Biomedicine, 2005, 18, 440-446.	1.6	45
228	Venous refocusing for volume estimation: VERVE functional magnetic resonance imaging. Magnetic Resonance in Medicine, 2005, 53, 339-347.	1.9	61
229	Experimental measurement of extravascular parenchymal BOLD effects and tissue oxygen extraction fractions using multi-echo VASO fMRI at 1.5 and 3.0 T. Magnetic Resonance in Medicine, 2005, 53, 808-816.	1.9	103
230	Theory of susceptibility-induced transverse relaxation in the capillary network in the diffusion narrowing regime. Magnetic Resonance in Medicine, 2005, 53, 564-573.	1.9	20
231	Novel approach to the measurement of absolute cerebral blood volume using vascular-space-occupancy magnetic resonance imaging. Magnetic Resonance in Medicine, 2005, 54, 1403-1411.	1.9	105
232	Effect of Thunbergia laurifolia, a Thai natural product used to treat drug addiction, on cerebral activity detected by functional magnetic resonance imaging in the rat. Psychopharmacology, 2005, 180, 1-9.	1.5	24
233	Integrated MEG and fMRI Model: Synthesis and Analysis. Brain Topography, 2005, 18, 101-113.	0.8	24
234	Deriving Changes in CMRO2 from Calibrated fMRI. , 2005, , 147-171.		4
235	Investigating the neural basis for functional and effective connectivity. Application to fMRI. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 1093-1108.	1.8	98
236	Bilinear dynamical systems. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 983-993.	1.8	57
237	Fusing EEG and fMRI based on a bottom-up model: inferring activation and effective connectivity in neural masses. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 1025-1041.	1.8	57
238	Dynamics of a neural system with a multiscale architecture. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 1051-1074.	1.8	170
239	Separate Spatial Scales Determine Neural Activity-Dependent Changes in Tissue Oxygen within Central Visual Pathways. Journal of Neuroscience, 2005, 25, 9046-9058.	1.7	45

#	Article	IF	CITATIONS
240	Neuroimaging Databases as a Resource for Scientific Discovery. International Review of Neurobiology, 2005, 66, 55-87.	0.9	16
241	A haemodynamic response function model in spatio-temporal diffuse optical tomography. Physics in Medicine and Biology, 2005, 50, 4625-4644.	1.6	39
242	Visualization and Post-processing of 5D Brain Images. , 2005, 2005, 1083-6.		4
243	Compartment-Resolved Imaging of Activity-Dependent Dynamics of Cortical Blood Volume and Oximetry. Journal of Neuroscience, 2005, 25, 2233-2244.	1.7	121
244	BOLD responses to visual stimulation in survivors of childhood cancer. NeuroImage, 2005, 24, 61-69.	2.1	30
245	Bayesian fMRI time series analysis with spatial priors. NeuroImage, 2005, 24, 350-362.	2.1	215
246	Further nonlinearities in neurovascular coupling in rodent barrel cortex. NeuroImage, 2005, 24, 565-574.	2.1	79
247	Lateral modulation of BOLD activation in unstimulated regions of the human visual cortex. NeuroImage, 2005, 24, 802-809.	2.1	24
248	A signal processing model for arterial spin labeling functional MRI. NeuroImage, 2005, 24, 207-215.	2.1	202
249	fMRI signal decreases in ipsilateral primary motor cortex during unilateral hand movements are related to duration and side of movement. NeuroImage, 2005, 24, 1080-1087.	2.1	111
250	Accounting for nonlinear BOLD effects in fMRI: parameter estimates and a model for prediction in rapid event-related studies. NeuroImage, 2005, 25, 206-218.	2.1	106
251	The BOLD onset transient: identification of novel functional differences in schizophrenia. NeuroImage, 2005, 25, 771-782.	2.1	41
252	Simultaneous recording of task-induced changes in blood oxygenation, volume, and flow using diffuse optical imaging and arterial spin-labeling MRI. NeuroImage, 2005, 25, 701-707.	2.1	116
253	An arteriolar compliance model of the cerebral blood flow response to neural stimulus. NeuroImage, 2005, 25, 1100-1111.	2.1	124
254	Spatiotemporal properties of the BOLD response in the songbirds' auditory circuit during a variety of listening tasks. Neurolmage, 2005, 25, 1242-1255.	2.1	65
255	The effect of stimulus duty cycle and "off―duration on BOLD response linearity. NeuroImage, 2005, 27, 70-82.	2.1	64
256	Spatial extent of oxygen metabolism and hemodynamic changes during functional activation of the rat somatosensory cortex. Neurolmage, 2005, 27, 279-290.	2.1	280
257	fMRI localizer technique: Efficient acquisition and functional properties of single retinotopic positions in the human visual cortex. NeuroImage, 2005, 28, 453-463.	2.1	21

#	Article	IF	CITATIONS
258	Evidence that cerebral blood volume can provide brain activation maps with better spatial resolution than deoxygenated hemoglobin. NeuroImage, 2005, 27, 947-959.	2.1	72
259	The kinetics of the BOLD response depend on inter-stimulus time. NeuroImage, 2005, 27, 817-823.	2.1	6
260	Transient BOLD responses at block transitions. NeuroImage, 2005, 28, 956-966.	2.1	109
261	A three-compartment model of the hemodynamic response and oxygen delivery to brain. NeuroImage, 2005, 28, 925-939.	2.1	80
262	Investigation of bi-phasic tumor oxygen dynamics induced by hyperoxic gas intervention: A numerical study. Optics Express, 2005, 13, 4465.	1.7	4
263	Attention, short-term memory, and action selection: A unifying theory. Progress in Neurobiology, 2005, 76, 236-256.	2.8	293
264	Joint detection-estimation of brain activity in functional MRI: a Multichannel Deconvolution solution. IEEE Transactions on Signal Processing, 2005, 53, 3488-3502.	3.2	60
265	Task difficulty in a simultaneous face matching task modulates activity in face fusiform area. Cognitive Brain Research, 2005, 25, 701-710.	3.3	36
266	Application of Pharmacological MRI to Preclinical Drug Discovery and Development. , 2008, , 855-877.		1
267	NARX Neural Networks for Dynamical Modelling of fMRI Data. , 2006, , .		1
268	Spatial SVM for feature selection and fMRI activation detection. , 2006, , .		4
269	Controlling Dimensionality in a Systems Approach to Dynamic Multimodal Functional Brain Imaging. , 2006, , .		0
270	A temporal comparison of BOLD, ASL, and NIRS hemodynamic responses to motor stimuli in adult humans. NeuroImage, 2006, 29, 368-382.	2.1	699
271	Dynamic physiological modeling for functional diffuse optical tomography. NeuroImage, 2006, 30, 88-101.	2.1	105
272	Investigating the post-stimulus undershoot of the BOLD signal—a simultaneous fMRI and fNIRS study. NeuroImage, 2006, 30, 349-358.	2.1	115
273	Noninvasive quantification of cerebral blood volume in humans during functional activation. NeuroImage, 2006, 30, 377-387.	2.1	39
274	A Bayesian approach to modeling dynamic effective connectivity with fMRI data. NeuroImage, 2006, 30, 794-812.	2.1	29
275	Peripheral blood pressure changes induced by dobutamine do not alter BOLD signals in the human brain. NeuroImage, 2006, 30, 745-752.	2.1	10

#	Article	IF	CITATIONS
276	Blood volume and hemoglobin oxygenation response following electrical stimulation of human cortex. NeuroImage, 2006, 31, 66-75.	2.1	70
277	BOLD responses to stimuli: Dependence on frequency, stimulus form, amplitude, and repetition rate. NeuroImage, 2006, 31, 585-599.	2.1	48
278	Caffeine reduces the initial dip in the visual BOLD response at 3 T. NeuroImage, 2006, 32, 9-15.	2.1	49
279	Using nonlinear models in fMRI data analysis: Model selection and activation detection. NeuroImage, 2006, 32, 1669-1689.	2.1	88
280	The neural basis of the hemodynamic response nonlinearity in human primary visual cortex: Implications for neurovascular coupling mechanism. NeuroImage, 2006, 32, 616-625.	2.1	77
281	Vascular dynamics and BOLD fMRI: CBF level effects and analysis considerations. NeuroImage, 2006, 32, 1642-1655.	2.1	56
282	How metaphors influence semantic relatedness judgments: The role of the right frontal cortex. NeuroImage, 2006, 33, 784-793.	2.1	85
283	Spatially weighted BOLD signal for comparison of functional magnetic resonance imaging and near-infrared imaging of the brain. NeuroImage, 2006, 33, 505-514.	2.1	50
284	fMRI MODELS OF DENDRITIC AND ASTROCYTIC NETWORKS. Journal of Integrative Neuroscience, 2006, 05, 273-326.	0.8	17
285	Study design in fMRI: Basic principles. Brain and Cognition, 2006, 60, 220-232.	0.8	396
286	A model of the interaction between autoregulation and neural activation in the brain. Mathematical Biosciences, 2006, 204, 260-281.	0.9	65
287	Circadian variability is negligible in primary visual cortices as measured by fNIRS. International Journal of Psychophysiology, 2006, 62, 9-13.	0.5	8
288	Recent developments in oximetry and perfusion-based mapping techniques and their role in the surgical treatment of neocortical epilepsy. Epilepsy and Behavior, 2006, 8, 363-375.	0.9	21
291	Physiology of Functional Magnetic Resonance Imaging. , 2006, 124, 175-195.		31
292	Spatial SVM for feature selection and fMRI activation detection. , 0, , .		0
293	Comparison of optical imaging and functional magnetic resonance imaging of the human brain using a photon-hitting density weight in the calculation of the BOLD signal. , 2006, 6081, 82.		Ο
294	A Validation of Event-Related fMRI Comparisons Between Users of Cocaine, Nicotine, or Cannabis and Control Subjects. American Journal of Psychiatry, 2006, 163, 1245-1251.	4.0	24
295	Haemodynamic and neural responses to hypercapnia in the awake rat. European Journal of Neuroscience, 2006, 24, 2601-2610.	1.2	42

#	Article	IF	CITATIONS
296	Negative functional MRI response correlates with decreases in neuronal activity in monkey visual area V1. Nature Neuroscience, 2006, 9, 569-577.	7.1	809
297	The Spatial Dependence of the Poststimulus Undershoot as Revealed by High-Resolution BOLD- and CBV-Weighted fMRI. Journal of Cerebral Blood Flow and Metabolism, 2006, 26, 634-644.	2.4	93
298	Illuminating the BOLD signal: combined fMRI–fNIRS studies. Magnetic Resonance Imaging, 2006, 24, 495-505.	1.0	277
299	Effects of mild hypoxic hypoxia on poststimulus undershoot of blood-oxygenation-level-dependent fMRI signal in the human visual cortex. Magnetic Resonance Imaging, 2006, 24, 993-999.	1.0	23
300	Neurovascular Coupling and Oximetry During Epileptic Events. Molecular Neurobiology, 2006, 33, 181-198.	1.9	58
301	The impact of restricted diet on brain function using BOLD-fMRI. Experimental Brain Research, 2006, 173, 318-321.	0.7	13
302	Dynamic monitoring of brain activation under visual stimulation using fMRI—The advantage of real-time fMRI with sliding window GLM analysis. Journal of Neuroscience Methods, 2006, 157, 158-167.	1.3	24
303	Integrated MEC/EEG and fMRI model based on neural masses. IEEE Transactions on Biomedical Engineering, 2006, 53, 1794-1801.	2.5	74
304	Hemodynamic responses in cortex investigated with optical imaging methods. Implications for functional brain mapping. Journal of Physiology (Paris), 2006, 100, 201-211.	2.1	17
305	Nonlinear local electrovascular coupling. I: A theoretical model. Human Brain Mapping, 2006, 27, 896-914.	1.9	67
306	Bayesian inference of hemodynamic changes in functional arterial spin labeling data. Magnetic Resonance in Medicine, 2006, 56, 891-906.	1.9	39
307	Principles of magnetic resonance assessment of brain function. Journal of Magnetic Resonance Imaging, 2006, 23, 794-807.	1.9	153
308	Adaptive Filtering of FMRI Data Based on Correlation and Bold Response Similarity. , 0, , .		4
309	<title>Group analysis of FMRI and NIR data simultaneously acquired during visual stimulation in humans</title> . , 2006, 6163, 238.		2
310	Functional Magnetic Resonance Imaging. , 2006, , 401-422.		42
311	ON THE INTEGRATION OF PHYSIOLOGICAL MECHANISMS IN THE NERVOUS TISSUE USING THE MTIP: SYNAPTIC PLASTICITY DEPENDING ON NEURONS-ASTROCYTES-CAPILLARIES INTERACTIONS. Journal of Integrative Neuroscience, 2006, 05, 443-482.	0.8	5
312	Functional Magnetic Resonance Imaging of the Kidney. , 2006, 124, 197-224.		1
313	Integrated measurement system for simultaneous functional magnetic resonance imaging and diffuse optical tomography in human brain mapping. Review of Scientific Instruments, 2006, 77, 114301.	0.6	9

#	ARTICLE Quantitative spatial comparison of diffuse optical imaging with blood oxygen level-dependent and	IF	CITATIONS
314 315	arterial spin labeling-based functional magnetic resonance imaging. Journal of Biomedical Optics, 2006, 11, 064018. The Nonlinear Theory of Schizophrenia. Australian and New Zealand Journal of Psychiatry, 2006, 40,	1.4	71
315	20-35. Direct and fast detection of neuronal activation in the human brain with diffusion MRI. Proceedings	3.3	228
317	of the National Academy of Sciences of the United States of America, 2006, 103, 8263-8268. Dissociation of face-selective cortical responses by attention. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 1065-1070.	3.3	116
318	SPATIO-TEMPORAL MODELING AND ANALYSIS OF fMRI DATA USING NARX NEURAL NETWORK. International Journal of Neural Systems, 2006, 16, 139-149.	3.2	7
319	Identification of non-linear models of neural activity in BOLD fMRI. , 0, , .		2
320	A coherent neurobiological framework for functional neuroimaging provided by a model integrating compartmentalized energy metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4188-4193.	3.3	80
321	Interhemispheric Integration of Visual Processing during Task-Driven Lateralization. Journal of Neuroscience, 2007, 27, 3512-3522.	1.7	143
322	Hierarchical Processing of Auditory Objects in Humans. PLoS Computational Biology, 2007, 3, e100.	1.5	107
323	The contribution of carotid rete variability to brain temperature variability in sheep in a thermoneutral environment. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 292, R1298-R1305.	0.9	19
324	Constrained Nonlinear Estimation of FMRI Hemodynamic Response Parameters. , 2007, , .		0
325	Joint Estimation for Nonlinear Dynamic System from FMRI Time Series. , 2007, , .		1
326	Neural physiological modeling towards a hemodynamic response function for fMRI. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 1615-8.	0.5	5
327	Experimental Study of EEG and Bold Responses to Sinusoidal Contrast Modulation. , 2007, , .		1
328	SIGNAL AND ANATOMICAL CONSTRAINTS IN ADAPTIVE FILTERING OF FMRI DATA. , 2007, , .		1
329	Subspace Approaches for fMRI Time Series Estimation. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 5485-8.	0.5	0
330	Age-Dependent Differences in Human Brain Activity Using a Face- and Location-Matching Task: An fMRI Study. Dementia and Geriatric Cognitive Disorders, 2007, 24, 235-246.	0.7	7
331	Measurement of cerebral perfusion with arterial spin labeling: Part 1. Methods. Journal of the International Neuropsychological Society, 2007, 13, 517-25.	1.2	173

# 332	ARTICLE Adaptive selection of fMRI spatial data in canonical correlation method. , 2007, , .	IF	CITATIONS
333	Intrinsic Fluctuations within Cortical Systems Account for Intertrial Variability in Human Behavior. Neuron, 2007, 56, 171-184.	3.8	731
334	Approaches to the cortical analysis of auditory objects. Hearing Research, 2007, 229, 46-53.	0.9	30
335	A spatial and temporal comparison of hemodynamic signals measured using optical and functional magnetic resonance imaging during activation in the human primary visual cortex. NeuroImage, 2007, 34, 1136-1148.	2.1	109
336	Observation of two distinct spatial–temporal BOLD clusters during sensory stimulation in rats. NeuroImage, 2007, 34, 1220-1226.	2.1	2
337	Improved spatial localization of post-stimulus BOLD undershoot relative to positive BOLD. NeuroImage, 2007, 34, 1084-1092.	2.1	72
338	Modelling the role of excitatory and inhibitory neuronal activity in the generation of the BOLD signal. NeuroImage, 2007, 35, 149-165.	2.1	95
339	Depth-resolved optical imaging and microscopy of vascular compartment dynamics during somatosensory stimulation. NeuroImage, 2007, 35, 89-104.	2.1	284
340	Phantom calibration method for improved temporal characterization of hemodynamic response in event-related fMRI. NeuroImage, 2007, 35, 566-576.	2.1	0
341	CBF/CMRO2 coupling measured with calibrated BOLD fMRI: Sources of bias. NeuroImage, 2007, 36, 1110-1122.	2.1	66
342	The oxygenation response to functional stimulation: Is there a physiological meaning to the lag between parameters?. NeuroImage, 2007, 36, 100-107.	2.1	45
343	Inferring neural activity from BOLD signals through nonlinear optimization. NeuroImage, 2007, 38, 248-260.	2.1	21
344	Comparing hemodynamic models with DCM. NeuroImage, 2007, 38, 387-401.	2.1	449
345	Vascular Space Occupancy Weighted Imaging With Control of Residual Blood Signal and Higher Contrast-to-Noise Ratio. IEEE Transactions on Medical Imaging, 2007, 26, 1319-1327.	5.4	24
346	Network structure of cerebral cortex shapes functional connectivity on multiple time scales. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10240-10245.	3.3	1,580
347	Optical brain imaging in vivo: techniques and applications from animal to man. Journal of Biomedical Optics, 2007, 12, 051402.	1.4	377
348	Spatio-temporal models for EEG. , 2007, , 323-336.		0
349	Bayesian model selection and averaging. , 2007, , 454-467.		28

#	Article	IF	CITATIONS
350	Dynamic Causal Models for fMRI. , 2007, , 541-560.		13
351	Bayesian inversion of dynamic models. , 2007, , 441-453.		Ο
352	Forward models for fMRI. , 2007, , 339-351.		1
353	Modeling dynamic cerebral blood volume changes during brain activation on the basis of the blood-nulled functional MRI signal. NMR in Biomedicine, 2007, 20, 643-651.	1.6	6
354	Calibration of BOLD fMRI using breath holding reduces group variance during a cognitive task. Human Brain Mapping, 2007, 28, 59-68.	1.9	117
355	Nonlinear local electrovascular coupling. II: From data to neuronal masses. Human Brain Mapping, 2007, 28, 335-354.	1.9	60
356	Validity and power in hemodynamic response modeling: A comparison study and a new approach. Human Brain Mapping, 2007, 28, 764-784.	1.9	187
357	Flow-metabolism coupling in human visual, motor, and supplementary motor areas assessed by magnetic resonance imaging. Magnetic Resonance in Medicine, 2007, 57, 538-547.	1.9	94
358	Noninvasive measurement of arterial cerebral blood volume using look-locker EPI and arterial spin labeling. Magnetic Resonance in Medicine, 2007, 58, 41-54.	1.9	47
359	Functional MRI impulse response for BOLD and CBV contrast in rat somatosensory cortex. Magnetic Resonance in Medicine, 2007, 57, 1110-1118.	1.9	126
360	Effects of cocaine on blood flow and oxygen metabolism in the rat brain: implications for phMRI. Magnetic Resonance Imaging, 2007, 25, 795-800.	1.0	11
361	Hidden Markov multiple event sequence models: A paradigm for the spatio-temporal analysis of fMRI data. Medical Image Analysis, 2007, 11, 1-20.	7.0	15
362	Estimation of parameters in incomplete data models defined by dynamical systems. Journal of Statistical Planning and Inference, 2007, 137, 2815-2831.	0.4	30
363	Adaptive spatiotemporal modelling and estimation of the event-related fMRI responses. Signal Processing, 2007, 87, 2810-2822.	2.1	2
364	Characterizing the functional MRI response using Tikhonov regularization. Statistics in Medicine, 2007, 26, 3830-3844.	0.8	17
365	Arterial versus Total Blood Volume Changes during Neural Activity-Induced Cerebral Blood Flow Change: Implication for BOLD fMRI. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 1235-1247.	2.4	172
366	A Multicompartment Vascular Model for Inferring Baseline and Functional Changes in Cerebral Oxygen Metabolism and Arterial Dilation. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 1262-1279.	2.4	95
367	Deriving meaning: Distinct neural mechanisms for metaphoric, literal, and non-meaningful sentences. Brain and Language, 2007, 100, 150-162.	0.8	158

#	Article	IF	CITATIONS
368	Mechanisms of hemispheric specialization: Insights from analyses of connectivity. Neuropsychologia, 2007, 45, 209-228.	0.7	82
369	Estimation of the Hemodynamic Response of fMRI Data Using RBF Neural Network. IEEE Transactions on Biomedical Engineering, 2007, 54, 1371-1381.	2.5	11
370	A Primer on Functional Magnetic Resonance Imaging. Neuropsychology Review, 2007, 17, 107-125.	2.5	59
371	Fast spin echo sequences for BOLD functional MRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2007, 20, 11-17.	1.1	59
372	Bottom-up and top-down brain functional connectivity underlying comprehension of everyday visual action. Brain Structure and Function, 2007, 212, 231-244.	1.2	17
373	Dynamic causal models of neural system dynamics: current state and future extensions. Journal of Biosciences, 2007, 32, 129-144.	0.5	201
374	Component structure of event-related fMRI responses in the different neurovascular compartments. Magnetic Resonance Imaging, 2007, 25, 328-334.	1.0	8
375	Origins of the BOLD changes due to synaptic activity at astrocytes abutting arteriolar smooth muscle. Journal of Theoretical Biology, 2008, 252, 123-130.	0.8	16
376	Transient and sustained BOLD responses to sustained visual stimulation. Magnetic Resonance Imaging, 2008, 26, 863-869.	1.0	46
377	Integrated MEG/fMRI Model Validated Using Real Auditory Data. Brain Topography, 2008, 21, 61-74.	0.8	18
378	Constraining the general linear model for sensible hemodynamic response function waveforms. Medical and Biological Engineering and Computing, 2008, 46, 779-787.	1.6	18
379	Assessment of brain interactivity in the motor cortex from the concept of functional connectivity and spectral analysis of fMRI data. Biological Cybernetics, 2008, 98, 101-114.	0.6	7
380	CBF, BOLD, CBV, and CMRO ₂ fMRI signal temporal dynamics at 500â€msec resolution. Journal of Magnetic Resonance Imaging, 2008, 27, 599-606.	1.9	70
381	Modeling and optimization of lookâ€locker spin labeling for measuring perfusion and transit time changes in activation studies taking into account arterial blood volume. Magnetic Resonance in Medicine, 2008, 59, 316-325.	1.9	56
382	Fullâ€brain coverage and highâ€resolution imaging capabilities of passband b‣SFP fMRI at 3T. Magnetic Resonance in Medicine, 2008, 59, 1099-1110.	1.9	50
383	Tracking the effects of crusher gradients on gradientâ€echo BOLD signal in space and time during rat sensory stimulation. Magnetic Resonance in Medicine, 2008, 60, 548-554.	1.9	3
384	Baseline blood oxygenation modulates response amplitude: Physiologic basis for intersubject variations in functional MRI signals. Magnetic Resonance in Medicine, 2008, 60, 364-372.	1.9	85
385	Modeling SSFP functional MRI contrast in the brain. Magnetic Resonance in Medicine, 2008, 60, 661-673.	1.9	44

#	Article	IF	CITATIONS
386	Hypercapniaâ€induced effects on image contrast based on intermolecular doubleâ€quantum coherences. Magnetic Resonance in Medicine, 2008, 60, 1306-1312.	1.9	4
387	Using forward calculations of the magnetic field perturbation due to a realistic vascular model to explore the BOLD effect. NMR in Biomedicine, 2008, 21, 553-565.	1.6	44
388	Biphasic hemodynamic responses influence deactivation and may mask activation in block-design fMRI paradigms. Human Brain Mapping, 2008, 29, 385-399.	1.9	47
389	Dynamics and nonlinearities of the BOLD response at very short stimulus durations. Magnetic Resonance Imaging, 2008, 26, 853-862.	1.0	54
390	Origins of blood volume change due to glutamatergic synaptic activity at astrocytes abutting on arteriolar smooth muscle cells. Journal of Theoretical Biology, 2008, 250, 172-185.	0.8	42
391	Detecting spatiotemporal nonlinear dynamics in resting state of human brain based on fMRI datasets. Applied Mathematics and Computation, 2008, 205, 19-25.	1.4	4
392	Quantification of venous blood signal contribution to BOLD functional activation in the auditory cortex at 3 T. Magnetic Resonance Imaging, 2008, 26, 1221-1231.	1.0	11
393	Fitting computational models to fMRI data. Behavior Research Methods, 2008, 40, 713-721.	2.3	17
394	Multilevel Statistical Inference From Functional Near-Infrared Spectroscopy Data During Stroop Interference. IEEE Transactions on Biomedical Engineering, 2008, 55, 2212-2220.	2.5	31
395	Bilateral Filtering of fMRI Data. IEEE Journal on Selected Topics in Signal Processing, 2008, 2, 891-896.	7.3	24
396	Independent components in stimulus-related BOLD signals and estimation of the underlying neural responses. Brain Research, 2008, 1229, 72-89.	1.1	10
397	Changes in BOLD transients with visual stimuli across 1–44Hz. Neuroscience Letters, 2008, 436, 185-188.	1.0	16
398	Dynamic causal modelling for fMRI: A two-state model. NeuroImage, 2008, 39, 269-278.	2.1	174
399	Dynamics of cortical neurovascular coupling analyzed by simultaneous DC-magnetoencephalography and time-resolved near-infrared spectroscopy. NeuroImage, 2008, 39, 979-986.	2.1	52
400	Source of nonlinearity of the BOLD response revealed by simultaneous fMRI and NIRS. NeuroImage, 2008, 39, 997-1013.	2.1	35
401	Nonlinear estimation of the BOLD signal. NeuroImage, 2008, 40, 504-514.	2.1	43
402	The suppressive influence of SMA on M1 in motor imagery revealed by fMRI and dynamic causal modeling. NeuroImage, 2008, 40, 828-837.	2.1	219
403	The post-stimulation undershoot in BOLD fMRI of human brain is not caused by elevated cerebral blood volume. NeuroImage, 2008, 40, 473-481.	2.1	47

#	Article	IF	CITATIONS
404	Bayesian brain source imaging based on combined MEG/EEG and fMRI using MCMC. NeuroImage, 2008, 40, 1581-1594.	2.1	32
405	Differential activation of frontal and parietal regions during visual word recognition: An optical topography study. Neurolmage, 2008, 40, 1340-1349.	2.1	45
406	Chronic smoking and the BOLD response to a visual activation task and a breath hold task in patients with schizophrenia and healthy controls. NeuroImage, 2008, 40, 1181-1194.	2.1	29
407	A vascular anatomical network model of the spatio-temporal response to brain activation. NeuroImage, 2008, 40, 1116-1129.	2.1	205
408	Spatiotemporal nonlinearity in resting-state fMRI of the human brain. NeuroImage, 2008, 40, 1672-1685.	2.1	41
409	The impact of temporal regularization on estimates of the BOLD hemodynamic response function: A comparative analysis. NeuroImage, 2008, 40, 1606-1618.	2.1	39
410	Investigating signal integration with canonical correlation analysis of fMRI brain activation data. NeuroImage, 2008, 41, 35-44.	2.1	15
411	Modeling of region-specific fMRI BOLD neurovascular response functions in rat brain reveals residual differences that correlate with the differences in regional evoked potentials. NeuroImage, 2008, 41, 525-534.	2.1	52
412	Variational filtering. NeuroImage, 2008, 41, 747-766.	2.1	55
413	Behavioral correlates of negative BOLD signal changes in the primary somatosensory cortex. NeuroImage, 2008, 41, 1364-1371.	2.1	113
414	Nonlinear dynamic causal models for fMRI. NeuroImage, 2008, 42, 649-662.	2.1	374
415	Characterization of the functional response in the human spinal cord: Impulse-response function and linearity. NeuroImage, 2008, 42, 626-634.	2.1	27
416	Shift-invariant multilinear decomposition of neuroimaging data. NeuroImage, 2008, 42, 1439-1450.	2.1	81
417	Cortical layer-dependent dynamic blood oxygenation, cerebral blood flow and cerebral blood volume responses during visual stimulation. NeuroImage, 2008, 43, 1-9.	2.1	138
418	Investigating the source of BOLD nonlinearity in human visual cortex in response to paired visual stimuli. NeuroImage, 2008, 43, 204-212.	2.1	53
419	Multimodal Functional Neuroimaging: Integrating Functional MRI and EEG/MEG. IEEE Reviews in Biomedical Engineering, 2008, 1, 23-40.	13.1	120
420	Extracting task-related activation components from optical topography measurement using independent components analysis. Journal of Biomedical Optics, 2008, 13, 054008.	1.4	44
421	Robust brain activation detection in functional MRI. , 2008, , .		1

#	Article	IF	CITATIONS
422	The Microvascular System of the Striate and Extrastriate Visual Cortex of the Macaque. Cerebral Cortex, 2008, 18, 2318-2330.	1.6	229
423	Direct estimation of evoked hemoglobin changes by multimodality fusion imaging. Journal of Biomedical Optics, 2008, 13, 054031.	1.4	29
424	Coupling between neuronal activity and microcirculation: Implications for functional brain imaging. HFSP Journal, 2008, 2, 79-98.	2.5	76
425	Bayesian Model Comparison in Nonlinear BOLD fMRI Hemodynamics. Neural Computation, 2008, 20, 738-755.	1.3	10
426	Multimodal investigation of fMRI and fNIRS derived breath hold BOLD signals with an expanded balloon model. Physiological Measurement, 2008, 29, 49-63.	1.2	24
427	Joint Bayesian detection of brain activated regions and local HRF estimation in functional MRI. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	1
428	The Statistical Analysis of fMRI Data. Statistical Science, 2008, 23, .	1.6	383
429	Differentiating Sensitivity of Post-Stimulus Undershoot under Diffusion Weighting: Implication of Vascular and Neuronal Hierarchy. PLoS ONE, 2008, 3, e2914.	1.1	6
430	A Si Bipolar Phase and Frequency Detector IC for Clock Extraction up to 8 Gb/s. , 2009, , .		0
431	Interpreting the BOLD response. , 2009, , 400-424.		1
432	Methodologies, practicalities and pitfalls in functional MR imaging. , 0, , 156-168.		0
433	Arterial spin labeling techniques. , 0, , 307-338.		0
434	A model for transient oxygen delivery in cerebral cortex. Frontiers in Neuroenergetics, 2009, 1, 3.	5.3	27
435	The possible role of CO2 in producing a post-stimulus CBF and BOLD undershoot. Frontiers in Neuroenergetics, 2009, 1, 7.	5.3	14
436	Estimation and Classification of BOLD Responses Over Multiple Trials. Communications in Statistics -	0.6	0
	Theory and Methods, 2009, 38, 3099-3113.	0.0	
437	Exploiting MR venography segmentation for the accurate model estimation of BOLD signal. , 2009, , .	0.0	2
437 438			2 0

#	Article	IF	CITATIONS
440	Spatiotemporal Dynamics of Perfusion and Oximetry during Ictal Discharges in the Rat Neocortex. Journal of Neuroscience, 2009, 29, 2814-2823.	1.7	97
441	Transients may occur in functional magnetic resonance imaging without physiological basis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20510-20514.	3.3	12
442	Optimisation on the least squares identification of dynamical systems with application to hemodynamic modelling. , 2009, 2009, 3251-4.		1
443	Multi-area integrated E/MEG and fMRI modeling. Proceedings of SPIE, 2009, , .	0.8	0
444	Estimating a modified Grubb's exponent in healthy human brains with near infrared spectroscopy and transcranial Doppler. Physiological Measurement, 2009, 30, 1-12.	1.2	157
446	The Human Brain Network. World Scientific Lecture Notes in Complex Systems, 2009, , 199-216.	0.1	2
447	Abnormally increased effective connectivity between parahippocampal gyrus and ventromedial prefrontal regions during emotion labeling in bipolar disorder. Psychiatry Research - Neuroimaging, 2009, 174, 195-201.	0.9	102
448	Differential responses in CBF and CBV to cocaine as measured by fMRI: Implications for pharmacological MRI signals derived oxygen metabolism assessment. Journal of Psychiatric Research, 2009, 43, 1018-1024.	1.5	27
449	\$1/f\$ Noise in Diffuse Optical Imaging and Wavelet-Based Response Estimation. IEEE Transactions on Medical Imaging, 2009, 28, 415-422.	5.4	24
450	Model Estimation of Cerebral Hemodynamics Between Blood Flow and Volume Changes: A Data-Based Modeling Approach. IEEE Transactions on Biomedical Engineering, 2009, 56, 1606-1616.	2.5	20
451	Characterizing Response to Elemental Unit of Acoustic Imaging Noise: An fMRI Study. IEEE Transactions on Biomedical Engineering, 2009, 56, 1919-1928.	2.5	8
452	Effective connectivity of the left BA 44, BA 45, and inferior temporal gyrus during lexical and phonological decisions identified with DCM. Human Brain Mapping, 2009, 30, 392-402.	1.9	113
453	Masked smokingâ€related images modulate brain activity in smokers. Human Brain Mapping, 2009, 30, 896-907.	1.9	27
454	Effects of aging on cerebral blood flow, oxygen metabolism, and blood oxygenation level dependent responses to visual stimulation. Human Brain Mapping, 2009, 30, 1120-1132.	1.9	192
455	Improving fMRI sensitivity by normalization of basal physiologic state. Human Brain Mapping, 2010, 31, 80-87.	1.9	31
456	Oscillatory response function: Towards a parametric model of rhythmic brain activity. Human Brain Mapping, 2010, 31, 820-834.	1.9	4
457	BOLDâ€specific cerebral blood volume and blood flow changes during neuronal activation in humans. NMR in Biomedicine, 2009, 22, 1054-1062.	1.6	134
458	Nonlinear blood oxygen level-dependent responses for transient activations and deactivations in V1 — insights into the hemodynamic response function with the balloon model. Magnetic Resonance Imaging, 2009, 27, 449-459.	1.0	16

#	Article	IF	CITATIONS
459	A nonlinear BOLD model accounting for refractory effect by applying the longitudinal relaxation in NMR to the linear BOLD model. Magnetic Resonance Imaging, 2009, 27, 907-912.	1.0	2
460	Identification and comparison of stochastic metabolic/hemodynamic models (sMHM) for the generation of the BOLD signal. Journal of Computational Neuroscience, 2009, 26, 251-269.	0.6	24
461	The Effects of Computational Method, Data Modeling, and TR on Effective Connectivity Results. Brain Imaging and Behavior, 2009, 3, 220-231.	1.1	22
462	Hemodynamic Changes after Visual Stimulation and Breath Holding Provide Evidence for an Uncoupling of Cerebral Blood Flow and Volume from Oxygen Metabolism. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 176-185.	2.4	64
463	A Functional Magnetic Resonance Imaging Technique Based on Nulling Extravascular Gray Matter Signal. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 144-156.	2.4	15
464	Cerebral Blood Flow, Blood Volume, and Oxygen Metabolism Dynamics in Human Visual and Motor Cortex as Measured by Whole-Brain Multi-Modal Magnetic Resonance Imaging. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 1856-1866.	2.4	84
465	Water-Diffusion Slowdown in the Human Visual Cortex on Visual Stimulation Precedes Vascular Responses. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 1197-1207.	2.4	27
466	Vascular Graph Model to Simulate the Cerebral Blood Flow in Realistic Vascular Networks. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 1429-1443.	2.4	166
467	Cerebral oxygen demand for shortâ€lived and steadyâ€state events. Journal of Neurochemistry, 2009, 109, 73-79.	2.1	35
468	Neural activity-induced modulation of BOLD poststimulus undershoot independent of the positive signal. Magnetic Resonance Imaging, 2009, 27, 1030-1038.	1.0	37
469	Bootstrap generation and evaluation of an fMRI simulation database. Magnetic Resonance Imaging, 2009, 27, 1382-1396.	1.0	18
470	Intracranial microprobe for evaluating neuro-hemodynamic coupling in unanesthetized human neocortex. Journal of Neuroscience Methods, 2009, 179, 208-218.	1.3	20
471	Exploring neuro-vascular and neuro-metabolic coupling in rat somatosensory cortex. Physics in Medicine and Biology, 2009, 54, 175-185.	1.6	15
473	fMRI activation detection by obtaining BOLD response of extracted balloon parameters with Particle Swarm Optimization. , 2009, , .		0
474	Modalities, Modes, and Models in Functional Neuroimaging. Science, 2009, 326, 399-403.	6.0	415
475	A cerebrovascular response model for functional neuroimaging including dynamic cerebral autoregulation. Mathematical Biosciences, 2009, 220, 102-117.	0.9	22
476	Brain functional modeling, what do we measure with fMRI data?. Neuroscience Research, 2009, 64, 12-19.	1.0	14
477	EEC–fMRI Information Fusion: Biophysics and Data Analysis. , 2009, , 511-526.		14

ARTICLE IF CITATIONS # The Human Connectome., 2009, , 309-332. 12 478 The Cerebral Vascular Enhancement Effect in Establishing Diffusion Tensor Imaging Protocols., 2009, 479 Using ICA and realistic BOLD models to obtain joint EEG/fMRI solutions to the problem of source 480 2.1 27 localization. NeuroImage, 2009, 44, 411-420. Comparison of blocked and event-related fMRI designs for pre-surgical language mapping. NeuroImage, 481 2009, 47, T107-T115. Connectivity alterations assessed by combining fMRI and MR-compatible hand robots in chronic 482 2.1 54 stroke. NeuroImage, 2009, 47, T90-T97. Origins of the BOLD post-stimulus undershoot. NeuroImage, 2009, 46, 559-568. 2.1 A time-invariant visco-elastic windkessel model relating blood flow and blood volume. NeuroImage, 484 2.1 33 2009, 47, 1371-1380. Perturbation of the BOLD response by a contrast agent and interpretation through a modified 485 2.1 29 balloon model. NeuroImage, 2009, 48, 84-93. Linearity of blood-oxygenation-level dependent signal at microvasculature. NeuroImage, 2009, 48, 486 2.1 38 313-318. Application of a multicompartment dynamical model to multimodal optical imaging for investigating 0.8 individual cerebrovascular properties. Proceedings of SPIE, 2009, , . Illuminating the Black Box: Investigating Prefrontal Cortical Hemodynamics during Exercise with 488 0.7 154 Near-Infrared Spectroscopy. Journal of Sport and Exercise Psychology, 2009, 31, 505-553. Nonlinear Analysis of the BOLD Signal. Eurasip Journal on Advances in Signal Processing, 2009, 2009, . 1.0 28 Interpreting oxygenation-based neuroimaging signals: the importance and the challenge of 490 5.3 159 understanding brain oxygen metabolism. Frontiers in Neuroenergetics, 2010, 2, 8. Caffeine and Cognition in Functional Magnetic Resonance Imaging. Journal of Alzheimer's Disease, 1.2 2010, 20, S71-S84. Alcohol induced region-dependent alterations of hemodynamic response: implications for the 492 42 0.7 statistical interpretation of pharmacological fMRI studies. Experimental Brain Research, 2010, 204, 1-10. Spatially Adaptive Mixture Modeling for Analysis of fMRI Time Series. IEEE Transactions on Medical Imaging, 2010, 29, 1059-1074. Sensitivity Analysis for Biomedical Models. IEEE Transactions on Medical Imaging, 2010, 29, 1870-1881. 494 5.417 Assessment of brain responses to innocuous and noxious electrical forepaw stimulation in mice 495 64 using BOLD fMRI. Pain, 2010, 151, 655-663.

#	Article	IF	CITATIONS
496	Methodological approaches in developmental neuroimaging studies. Human Brain Mapping, 2010, 31, 863-871.	1.9	39
497	Apparent diffusion coefficient dependent fMRI: Spatiotemporal characteristics and implications on calibrated fMRI. International Journal of Imaging Systems and Technology, 2010, 20, 42-50.	2.7	2
498	Effects of CBV, CBF, and blood-brain barrier permeability on accuracy of PASL and VASO measurement. Magnetic Resonance in Medicine, 2010, 63, 601-608.	1.9	21
499	Realâ€ŧime adaptive sequential design for optimal acquisition of arterial spin labeling MRI data. Magnetic Resonance in Medicine, 2010, 64, 203-210.	1.9	14
500	In contrast to BOLD: signal enhancement by extravascular water protons as an alternative mechanism of endogenous fMRI signal change. Magnetic Resonance Imaging, 2010, 28, 1234-1243.	1.0	31
501	Spatiotemporal BOLD dynamics from a poroelastic hemodynamic model. Journal of Theoretical Biology, 2010, 265, 524-534.	0.8	47
502	The functional neuroanatomy of symptom dimensions in schizophrenia: A qualitative and quantitative review of a persistent question. Neuroscience and Biobehavioral Reviews, 2010, 34, 468-486.	2.9	191
503	Analyzing effective connectivity with functional magnetic resonance imaging. Wiley Interdisciplinary Reviews: Cognitive Science, 2010, 1, 446-459.	1.4	154
504	The combination of EEG Source Imaging and EEG orrelated functional MRI to map epileptic networks. Epilepsia, 2010, 51, 491-505.	2.6	75
505	Visual attention in autism families: â€~unaffected' sibs share atypical frontal activation. Journal of Child Psychology and Psychiatry and Allied Disciplines, 2010, 51, 259-276.	3.1	87
506	Changes in Glucose Uptake Rather than Lactate Shuttle Take Center Stage in Subserving Neuroenergetics: Evidence from Mathematical Modeling. Journal of Cerebral Blood Flow and Metabolism, 2010, 30, 586-602.	2.4	79
507	Clobal and local fMRI signals driven by neurons defined optogenetically by type and wiring. Nature, 2010, 465, 788-792.	13.7	659
508	From Blood Oxygenation Level Dependent (BOLD) signals to brain temperature maps. Nature Precedings, 2010, , .	0.1	0
509	Methylenedioxymethamphetamine (MDMA). , 2010, , 758-762.		0
510	Strain Gauge. , 2010, , .		0
511	Web mining and challenges for intellectual property protection. , 2010, , .		0
512	Functional neuroimaging: a physiological perspective. Frontiers in Neuroenergetics, 2010, 2, .	5.3	9
513	Neurovascular and neurometabolic couplings in dynamic calibrated fMRI: transient oxidative neuroenergetics for block-design and event-related paradigms. Frontiers in Neuroenergetics, 2010, 2, .	5.3	31

#	Article	IF	CITATIONS
514	MEG and fMRI Fusion for Non-Linear Estimation of Neural and BOLD Signal Changes. Frontiers in Neuroinformatics, 2010, 4, 114.	1.3	21
515	Vascular Origins of BOLD and CBV fMRI Signals: Statistical Mapping and Histological Sections Compared. Open Neuroimaging Journal, 2010, 4, 1-8.	0.2	25
516	Optogenetic fMRI Sheds Light on the Neural Basis of the BOLD Signal. Journal of Neurophysiology, 2010, 104, 1838-1840.	0.9	8
517	Generalised Filtering. Mathematical Problems in Engineering, 2010, 2010, 1-34.	0.6	113
518	ANATOMICALLY-CONSTRAINED EFFECTIVE CONNECTIVITY AMONG LAYERS IN A CORTICAL COLUMN MODELED AND ESTIMATED FROM LOCAL FIELD POTENTIALS. Journal of Integrative Neuroscience, 2010, 09, 355-379.	0.8	25
519	Changes in foetal liver T2* measurements by MRI in response to maternal oxygen breathing: application to diagnosing foetal growth restriction. Physiological Measurement, 2010, 31, 1137-1146.	1.2	13
520	Multiple-Model Set-Valued Observers: A new tool for HRF model selection in fMRI. , 2010, 2010, 5704-7.		4
521	On the distinguishability of HRF models in fMRI. , 2010, 2010, 5677-80.		1
522	Genetic control over the resting brain. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1223-1228.	3.3	436
523	A NEW MATHEMATICAL APPROACH FOR DETECTION OF ACTIVE AREA IN HUMAN BRAIN fMRI USING NONLINEAR MODEL. Biomedical Engineering - Applications, Basis and Communications, 2010, 22, 409-418.	0.3	1
524	EEG-fMRI Fusion of Paradigm-Free Activity Using Kalman Filtering. Neural Computation, 2010, 22, 906-948.	1.3	26
525	Temporal coupling between stimulus-evoked neural activity and hemodynamic responses from individual cortical columns. Physics in Medicine and Biology, 2010, 55, 2203-2219.	1.6	9
526	Quantification of CMRO ₂ without hypercapnia using simultaneous near-infrared spectroscopy and fMRI measurements. Physics in Medicine and Biology, 2010, 55, 3249-3269.	1.6	48
527	Association of individual resting state EEG alpha frequency and cerebral blood flow. NeuroImage, 2010, 51, 365-372.	2.1	146
528	Elevating intracranial pressure reverses the decrease in deoxygenated hemoglobin and abolishes the post-stimulus overshoot upon somatosensory activation in rats. NeuroImage, 2010, 52, 445-454.	2.1	21
529	MRI measurement of the BOLD-specific flow–volume relationship during hypercapnia and hypocapnia in humans. NeuroImage, 2010, 53, 383-391.	2.1	113
530	Regional differences in neurovascular coupling in rat brain as determined by fMRI and electrophysiology. NeuroImage, 2010, 53, 399-411.	2.1	56
531	EEG-fMRI INTEGRATION: A CRITICAL REVIEW OF BIOPHYSICAL MODELING AND DATA ANALYSIS APPROACHES. Journal of Integrative Neuroscience, 2010, 09, 453-476.	0.8	104

#	ARTICLE Validation of diffuse correlation spectroscopy measurements of rodent cerebral blood flow with	IF	CITATIONS
532	simultaneous arterial spin labeling MRI; towards MRI-optical continuous cerebral metabolic monitoring. Biomedical Optics Express, 2010, 1, 553.	1.5	111
533	EEG-NIRS in epilepsy in children and neonates. Neurophysiologie Clinique, 2010, 40, 281-292.	1.0	67
534	Training and plasticity of working memory. Trends in Cognitive Sciences, 2010, 14, 317-324.	4.0	1,327
535	Movement Disorder. , 2010, , 805-805.		0
536	Relating BOLD fMRI and neural oscillations through convolution and optimal linear weighting. NeuroImage, 2010, 49, 1479-1489.	2.1	69
537	Improving human brain mapping via joint inversion of brain electrodynamics and the BOLD signal. NeuroImage, 2010, 49, 2401-2415.	2.1	15
538	Multi-subject analyses with dynamic causal modeling. NeuroImage, 2010, 49, 3065-3074.	2.1	61
539	Functional near infrared spectroscopy (NIRS) signal improvement based on negative correlation between oxygenated and deoxygenated hemoglobin dynamics. NeuroImage, 2010, 49, 3039-3046.	2.1	580
540	The change in cerebrovascular reactivity between 3 T and 7 T measured using graded hypercapnia. NeuroImage, 2010, 51, 274-279.	2.1	22
541	Imaging the Brain with Optical Methods. , 2010, , .		4
542	A state space based approach in non-linear hemodynamic response modeling with fMRI data. , 2010, 2010, 2391-4.		4
543	Comparison of canonical correlation analysis and ICA techniques for fMRI. , 2010, , .		2
544	Deconvolution of neuronal signal from hemodynamic response. , 2011, , .		0
545	A coupled model to jointly predict EEG and optical evoked response changes in rats under varying stimulus patterns. , 2011, , .		0
546	An analysis of Blood-Oxygen-Level-Dependent signal parameter estimation using particle filters. , 2011, ,		3
547	Analysis of Multimodal Neuroimaging Data. IEEE Reviews in Biomedical Engineering, 2011, 4, 26-58.	13.1	122
548	Functional Near Infrared Spectroscopy (fNIRS) synthetic data generation. , 2011, 2011, 6589-92.		9
549	Brain causality investigation based on FMRI images time series using dynamic causal modelling augmented by Granger Causality. , 2011, , .		0

#	Article	IF	CITATIONS
550	Overview of Functional Magnetic Resonance Imaging. Neurosurgery Clinics of North America, 2011, 22, 133-139.	0.8	532
551	Two-detector Corrected Near Infrared Spectroscopy (C-NIRS) detects hemodynamic activation responses more robustly than single-detector NIRS. NeuroImage, 2011, 55, 1679-1685.	2.1	155
552	Generalised filtering and stochastic DCM for fMRI. NeuroImage, 2011, 58, 442-457.	2.1	177
553	Dynamic modeling of neuronal responses in fMRI using cubature Kalman filtering. NeuroImage, 2011, 56, 2109-2128.	2.1	170
554	Time course and spatial distribution of fMRI signal changes during single-pulse transcranial magnetic stimulation to the primary motor cortex. NeuroImage, 2011, 56, 1469-1479.	2.1	32
555	An improved method for mapping cerebrovascular reserve using concurrent fMRI and near-infrared spectroscopy with Regressor Interpolation at Progressive Time Delays (RIPTiDe). NeuroImage, 2011, 56, 2047-2057.	2.1	44
556	Cerebrovascular hemodynamic correlates of aging in the Lou/c rat: A model of healthy aging. NeuroImage, 2011, 56, 1892-1901.	2.1	25
557	Biophysical model estimation of neurovascular parameters in a rat model of healthy aging. NeuroImage, 2011, 57, 1480-1491.	2.1	13
558	Linear coupling of undershoot with BOLD response in ER-fMRI and nonlinear BOLD response in rapid-presentation ER-fMRI. NeuroImage, 2011, 57, 391-402.	2.1	6
559	Inhibition in early Alzheimer's disease: An fMRI-based study of effective connectivity. NeuroImage, 2011, 57, 1131-1139.	2.1	41
560	A theoretical framework for estimating cerebral oxygen metabolism changes using the calibrated-BOLD method: Modeling the effects of blood volume distribution, hematocrit, oxygen extraction fraction, and tissue signal properties on the BOLD signal. NeuroImage, 2011, 58, 198-212.	2.1	152
561	Multi-subject search correctly identifies causal connections and most causal directions in the DCM models of the Smith et al. simulation study. NeuroImage, 2011, 58, 838-848.	2.1	94
562	Robustly measuring vascular reactivity differences with breath-hold: Normalising stimulus-evoked and resting state BOLD fMRI data. NeuroImage, 2011, 54, 369-379.	2.1	120
563	Depression alters "top-down―visual attention: A dynamic causal modeling comparison between depressed and healthy subjects. NeuroImage, 2011, 54, 1662-1668.	2.1	82
564	Network modelling methods for FMRI. NeuroImage, 2011, 54, 875-891.	2.1	1,588
565	Simulation study of brain blood flow regulation by intra-cortical arterioles in an anatomically accurate large human vascular network: Part I: Methodology and baseline flow. NeuroImage, 2011, 54, 1031-1042.	2.1	85
566	High-speed vascular dynamics of the hemodynamic response. NeuroImage, 2011, 54, 1021-1030.	2.1	111
567	Simulation study of brain blood flow regulation by intra-cortical arterioles in an anatomically accurate large human vascular network. Part II: Flow variations induced by global or localized	2.1	71

modifications of arteriolar diameters. Neurolmage, 2011, 54, 2840-2853.

#	Article	IF	CITATIONS
568	A quantitative comparison of NIRS and fMRI across multiple cognitive tasks. NeuroImage, 2011, 54, 2808-2821.	2.1	748
569	Quantitative analysis of hemodynamic and metabolic changes in subcortical vascular dementia using simultaneous near-infrared spectroscopy and fMRI measurements. NeuroImage, 2011, 55, 176-184.	2.1	96
570	Network discovery with DCM. NeuroImage, 2011, 56, 1202-1221.	2.1	248
571	Particle Smoothing in Continuous Time: A Fast Approach via Density Estimation. IEEE Transactions on Signal Processing, 2011, 59, 1017-1026.	3.2	23
572	Approaches for the Integrated Analysis of Structure, Function and Connectivity of the Human Brain. Clinical EEG and Neuroscience, 2011, 42, 107-121.	0.9	105
573	Simultaneous EEG/fMRI Analysis of the Resonance Phenomena in Steady-State Visual Evoked Responses. Clinical EEG and Neuroscience, 2011, 42, 98-106.	0.9	71
575	Effects of alcohol intoxication and gender on cerebral perfusion: an arterial spin labeling study. Alcohol, 2011, 45, 725-737.	0.8	37
576	Quantitative investigation of the effect of the extra-cerebral vasculature in diffuse optical imaging: a simulation study. Biomedical Optics Express, 2011, 2, 680.	1.5	27
577	Assessment of temporal state-dependent interactions between auditory fMRI responses to desired and undesired acoustic sources. Hearing Research, 2011, 277, 67-77.	0.9	14
578	Neuronal and hemodynamic source modeling of optogenetic BOLD signals. , 2011, , .		3
579	The identification of interacting networks in the brain using fMRI: Model selection, causality and deconvolution. NeuroImage, 2011, 58, 296-302.	2.1	195
580	Dynamic causal modelling: A critical review of the biophysical and statistical foundations. NeuroImage, 2011, 58, 312-322.	2.1	266
581	Essentials of Functional Magnetic Resonance Imaging. , 2011, , .		0
582	Statistical Analysis of fMRI Time-Series: A Critical Review of the GLM Approach. Frontiers in Human Neuroscience, 2011, 5, 28.	1.0	248
583	BOLD Temporal Dynamics of Rat Superior Colliculus and Lateral Geniculate Nucleus following Short Duration Visual Stimulation. PLoS ONE, 2011, 6, e18914.	1.1	34
584	A nonstationary nonparametric Bayesian approach to dynamically modeling effective connectivity in functional magnetic resonance imaging experiments. Annals of Applied Statistics, 2011, 5, .	0.5	6
585	Paradigm-free mapping with morphological component analysis: getting most out of fMRI data. , 2011, , .		2
586	Encoding and decoding V1 fMRI responses to natural images with sparse nonparametric models. Annals of Applied Statistics, 2011, 5, 1159-1182.	0.5	27

#	Article	IF	CITATIONS
587	Modeling the contribution of neuron-astrocyte cross talk to slow blood oxygenation level-dependent signal oscillations. Journal of Neurophysiology, 2011, 106, 3010-3018.	0.9	17
588	Basal Cerebral Blood Volume during the Poststimulation Undershoot in BOLD MRI of the Human Brain. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 82-89.	2.4	14
589	Measurement of Cerebral Blood Flow Responses to the Thigh Cuff Maneuver: A Comparison of TCD with a Novel MRI Method. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 1302-1310.	2.4	19
590	Temporal Dynamics and Spatial Specificity of Arterial and Venous Blood Volume Changes during Visual Stimulation: Implication for Bold Quantification. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 1211-1222.	2.4	100
591	Physiological origin for the BOLD poststimulus undershoot in human brain: Vascular compliance versus oxygen metabolism. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 1599-1611.	2.4	62
592	The relationship between BOLD signal and autonomic nervous system functions: implications for processing of "physiological noise― Magnetic Resonance Imaging, 2011, 29, 1338-1345.	1.0	67
593	Investigating static nonlinearities in neurovascular coupling. Magnetic Resonance Imaging, 2011, 29, 1358-1364.	1.0	14
594	Comparison between end-tidal CO2 and respiration volume per time for detecting BOLD signal fluctuations during paced hyperventilation. Magnetic Resonance Imaging, 2011, 29, 1186-1194.	1.0	12
595	Activelets: Wavelets for sparse representation of hemodynamic responses. Signal Processing, 2011, 91, 2810-2821.	2.1	56
596	A Data-Driven Sparse GLM for fMRI Analysis Using Sparse Dictionary Learning With MDL Criterion. IEEE Transactions on Medical Imaging, 2011, 30, 1076-1089.	5.4	149
597	Cerebral Artery–Vein Separation Using 0.1-Hz Oscillation in Dual-Wavelength Optical Imaging. IEEE Transactions on Medical Imaging, 2011, 30, 2030-2043.	5.4	8
598	Dorsolateral prefrontal cortical oxygenation during REM sleep in humans. Brain Research, 2011, 1389, 83-92.	1.1	36
599	Paradigm free mapping with sparse regression automatically detects singleâ€ŧrial functional magnetic resonance imaging blood oxygenation level dependent responses. Human Brain Mapping, 2013, 34, 501-518.	1.9	48
600	Relationship Between Flow and Metabolism in BOLD Signals: Insights from Biophysical Models. Brain Topography, 2011, 24, 40-53.	0.8	11
601	Dynamic activation model for a glutamatergic neurovascular unit. Journal of Theoretical Biology, 2011, 274, 12-29.	0.8	22
602	From Blood Oxygenation Level Dependent (BOLD) Signals to Brain Temperature Maps. Bulletin of Mathematical Biology, 2011, 73, 2731-2747.	0.9	21
603	Hemodynamic responses to visual stimulation in children with sickle cell anemia. Brain Imaging and Behavior, 2011, 5, 295-306.	1.1	28
604	Pharmacological modulation of the bOLD response: A study of acetazolamide and glyceryl trinitrate in humans. Journal of Magnetic Resonance Imaging, 2011, 34, 921-927.	1.9	16

#	Article	IF	CITATIONS
605	Blood oxygenation levelâ€dependent (BOLD) total and extravascular signal changes and Δ <i>R</i> ₂ * in human visual cortex at 1.5, 3.0 and 7.0 T. NMR in Biomedicine, 2011, 24, 25-34.	1.6	71
606	Exploring the postâ€stimulus undershoot with spinâ€echo fMRI: Implications for models of neurovascular response. Human Brain Mapping, 2011, 32, 141-153.	1.9	15
607	Functional localization in the human brain: Gradientâ€echo, spinâ€echo, and arterial spinâ€labeling fMRI compared with neuronavigated TMS. Human Brain Mapping, 2011, 32, 341-357.	1.9	74
608	Near-infrared spectroscopy: A report from the McDonnell infant methodology consortium. Developmental Cognitive Neuroscience, 2011, 1, 22-46.	1.9	307
609	Wavelet correlation between subjects: A time-scale data driven analysis for brain mapping using fMRI. Journal of Neuroscience Methods, 2011, 194, 350-357.	1.3	10
610	Quantitative analysis of the postcontractile blood-oxygenation-level-dependent (BOLD) effect in skeletal muscle. Journal of Applied Physiology, 2011, 111, 27-39.	1.2	56
611	Estimation of neuronal responses from fMRI data. , 2011, 2011, 8122-5.		0
612	Investigaton of the neuronal efficacy and EEG source power under steady-state visual stimulation. , 2011, 2011, 6576-9.		0
613	Fluctuating and sensory-induced vasodynamics in rodent cortex extend arteriole capacity. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8473-8478.	3.3	257
614	Potentials and Challenges for Arterial Spin Labeling in Pharmacological Magnetic Resonance Imaging. Journal of Pharmacology and Experimental Therapeutics, 2011, 337, 359-366.	1.3	91
615	Isolating the sources of widespread physiological fluctuations in functional near-infrared spectroscopy signals. Journal of Biomedical Optics, 2011, 16, 106005.	1.4	20
616	Neural Correlates of Interindividual Differences in Children's Audiovisual Speech Perception. Journal of Neuroscience, 2011, 31, 13963-13971.	1.7	68
617	Cerebral Blood Flow in Posterior Cortical Nodes of the Default Mode Network Decreases with Task Engagement but Remains Higher than in Most Brain Regions. Cerebral Cortex, 2011, 21, 233-244.	1.6	99
618	NEAR-INFRARED IMAGING SENSOR WITH IMPROVED HANDLING AND DIRECT LOCALIZATION IN SIMULTANEOUS MAGNETIC RESONANCE IMAGING MEASUREMENTS. Journal of Innovative Optical Health Sciences, 2011, 04, 191-198.	0.5	0
619	Reorganization of cerebral networks after stroke: new insights from neuroimaging with connectivity approaches. Brain, 2011, 134, 1264-1276.	3.7	489
620	Spatiotemporal Evolution of the Functional Magnetic Resonance Imaging Response to Ultrashort Stimuli. Journal of Neuroscience, 2011, 31, 1440-1447.	1.7	104
621	Parallel independent component analysis using an optimized neurovascular coupling for concurrent EEG-fMRI sources. , 2011, 2011, 2542-5.		2
622	Brain Mechanisms Supporting the Modulation of Pain by Mindfulness Meditation. Journal of Neuroscience, 2011, 31, 5540-5548.	1.7	495

#	Article	IF	CITATIONS
623	Bayesian Comparison of Neurovascular Coupling Models Using EEG-fMRI. PLoS Computational Biology, 2011, 7, e1002070.	1.5	26
624	Neural Correlates and Effective Connectivity of Subjective Colors during the Benham's Top Illusion: A Functional MRI Study. Cerebral Cortex, 2011, 21, 124-133.	1.6	11
625	Partitioning of Physiological Noise Signals in the Brain with Concurrent Near-Infrared Spectroscopy and fMRI. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 2352-2362.	2.4	102
626	Variability comparison of simultaneous brain near-infrared spectroscopy and functional magnetic resonance imaging during visual stimulation. Journal of Medical Engineering and Technology, 2011, 35, 370-376.	0.8	21
627	Functional Neuroimaging of Treatment Effects in Psychiatry: Methodological Challenges and Recommendations. International Journal of Neuroscience, 2012, 122, 483-493.	0.8	23
628	Bidirectional Information Flow in Frontoamygdalar Circuits in Humans: A Dynamic Causal Modeling Study of Emotional Associative Learning. Cerebral Cortex, 2012, 22, 436-445.	1.6	15
629	Hemodynamic Traveling Waves in Human Visual Cortex. PLoS Computational Biology, 2012, 8, e1002435.	1.5	81
630	Scale-free and multifractal time dynamics of fMRI signals during rest and task. Frontiers in Physiology, 2012, 3, 186.	1.3	157
631	Low-frequency oscillations measured in the periphery with near-infrared spectroscopy are strongly correlated with blood oxygen level-dependent functional magnetic resonance imaging signals. Journal of Biomedical Optics, 2012, 17, 1.	1.4	99
632	Early Human Visual Cortex Encodes Surface Brightness Induced by Dynamic Context. Journal of Cognitive Neuroscience, 2012, 24, 367-377.	1.1	9
633	Absence of Face-specific Cortical Activity in the Complete Absence of Awareness: Converging Evidence from Functional Magnetic Resonance Imaging and Event-related Potentials. Journal of Cognitive Neuroscience, 2012, 24, 396-415.	1.1	39
634	Identification of nonlinear fMRI models using Auxiliary Particle Filter and kernel smoothing method. , 2012, 2012, 4212-6.		4
635	Computational modeling of the transient hemodynamic response in cerebral cortex. , 2012, 2012, 645-8.		0
636	The Roles of Cerebral Blood Flow, Capillary Transit Time Heterogeneity, and Oxygen Tension in Brain Oxygenation and Metabolism. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 264-277.	2.4	394
637	Cerebral Blood Volume Changes during Brain Activation. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 1618-1631.	2.4	37
638	Effective Connectivity of the Human Cerebellum during Visual Attention. Journal of Neuroscience, 2012, 32, 11453-11460.	1.7	88
639	Clinical Efficacy of a New Automated Hemoencefalographic Neurofeedback Protocol. Spanish Journal of Psychology, 2012, 15, 930-941.	1.1	10
640	Analysis and classification of fMR time series using map blind deconvolution and fourier wavelet regularized deconvolution. , 2012, , .		0

#	Article	IF	CITATIONS
641	Dynamic State and Parameter Estimation Applied to Neuromorphic Systems. Neural Computation, 2012, 24, 1669-1694.	1.3	11
642	Detection of cortical activation and effective connectivity using Dynamic Causal Modelling through functional magnetic resonance imaging. , 2012, , .		1
643	Neurofeedback Using Real-Time Near-Infrared Spectroscopy Enhances Motor Imagery Related Cortical Activation. PLoS ONE, 2012, 7, e32234.	1.1	148
644	Reliable and Efficient Approach of BOLD Signal with Dual Kalman Filtering. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-7.	0.7	2
645	Principles and Applications of Diffuse Optical Imaging for the Brain. Current Medical Imaging, 2012, 8, 157-173.	0.4	2
646	Quantifying the cortical contribution to the NIRS signal using simultaneous NIRS-BOLD measurements. , 2012, , .		0
647	Cortical control of postural balance in patients with hemiplegic stroke. NeuroReport, 2012, 23, 314-319.	0.6	82
649	GPU Acceleration of Runge-Kutta Integrators. IEEE Transactions on Parallel and Distributed Systems, 2012, 23, 94-101.	4.0	57
650	Hybrid Optical–Electrical Brain Computer Interfaces, Practices and Possibilities. Biological and Medical Physics Series, 2012, , 17-40.	0.3	2
651	Arteries dominate volume changes during brief functional hyperemia: Evidence from mathematical modelling. NeuroImage, 2012, 62, 482-492.	2.1	19
652	Co-operative Populations of Neurons: Mean Field Models of Mesoscopic Brain Activity. , 2012, , 317-364.		16
653	Quantitative Evaluation of Activation State in Functional Brain Imaging. Brain Topography, 2012, 25, 362-373.	0.8	7
654	Estimation of the haemodynamic response to epileptic activity in EEG-fMRI data. , 2012, , .		0
655	Haemodynamic Response Function (HRF) model selection in fMRI using Kalman filtering. , 2012, , .		0
656	ICA Component Selection Based on Sparse Activelet Reconstruction for fMRI Analysis in Refractory Focal Epilepsy. , 2012, , .		0
657	Biophysical and Physiological Origins of Blood Oxygenation Level-Dependent fMRI Signals. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 1188-1206.	2.4	429
658	Analysis of coexisting neuronal populations in optogenetic and conventional BOLD data. , 2012, , .		1
659	Neurovascular deconvolution of optical signals as a proxy for the true neuronal inputs. Journal of Neuroscience Methods, 2012, 210, 247-258.	1.3	3

#	Article	IF	CITATIONS
660	Variation of the gene coding for DARPP-32 (PPP1R1B) and brain connectivity during associative emotional learning. NeuroImage, 2012, 59, 1540-1550.	2.1	19
661	Vascular component analysis of hyperoxic and hypercapnic BOLD contrast. NeuroImage, 2012, 59, 2401-2412.	2.1	27
662	Specific cerebellar regions are related to force amplitude and rate of force development. NeuroImage, 2012, 59, 1647-1656.	2.1	43
663	Critical comments on dynamic causal modelling. NeuroImage, 2012, 59, 2322-2329.	2.1	107
664	Quantitative functional MRI: Concepts, issues and future challenges. NeuroImage, 2012, 62, 1234-1240.	2.1	65
665	Quantification of the cortical contribution to the NIRS signal over the motor cortex using concurrent NIRS-fMRI measurements. NeuroImage, 2012, 59, 3933-3940.	2.1	182
666	Retinotopic maps and hemodynamic delays in the human visual cortex measured using arterial spin labeling. NeuroImage, 2012, 59, 4044-4054.	2.1	20
667	Diffusion MRI at 25: Exploring brain tissue structure and function. NeuroImage, 2012, 61, 324-341.	2.1	405
668	The utility of near-infrared spectroscopy in the regression of low-frequency physiological noise from functional magnetic resonance imaging data. NeuroImage, 2012, 59, 3128-3138.	2.1	37
669	Measuring venous blood volume changes during activation using hyperoxia. NeuroImage, 2012, 59, 3266-3274.	2.1	21
670	SimTB, a simulation toolbox for fMRI data under a model of spatiotemporal separability. NeuroImage, 2012, 59, 4160-4167.	2.1	182
671	Detection of epileptic activity in fMRI without recording the EEG. NeuroImage, 2012, 60, 1867-1879.	2.1	43
672	Dynamic models of BOLD contrast. NeuroImage, 2012, 62, 953-961.	2.1	180
673	A review of the development of Vascular-Space-Occupancy (VASO) fMRI. NeuroImage, 2012, 62, 736-742.	2.1	44
674	The BOLD post-stimulus undershoot, one of the most debated issues in fMRI. NeuroImage, 2012, 62, 1092-1102.	2.1	76
675	A short history of causal modeling of fMRI data. NeuroImage, 2012, 62, 856-863.	2.1	96
676	The history and role of long duration stimulation in fMRI. NeuroImage, 2012, 62, 1051-1055.	2.1	4
677	Dynamic retrospective filtering of physiological noise in BOLD fMRI: DRIFTER. NeuroImage, 2012, 60, 1517-1527.	2.1	127

#	Article	IF	CITATIONS
678	IRON fMRI measurements of CBV and implications for BOLD signal. NeuroImage, 2012, 62, 1000-1008.	2.1	43
679	Physiological denoising of BOLD fMRI data using Regressor Interpolation at Progressive Time Delays (RIPTiDe) processing of concurrent fMRI and near-infrared spectroscopy (NIRS). NeuroImage, 2012, 60, 1913-1923.	2.1	64
680	Contributions of dynamic venous blood volume versus oxygenation level changes to BOLD fMRI. NeuroImage, 2012, 60, 2238-2246.	2.1	27
681	The story of the initial dip in fMRI. NeuroImage, 2012, 62, 1103-1108.	2.1	85
682	Is optical imaging spectroscopy a viable measurement technique for the investigation of the negative BOLD phenomenon? A concurrent optical imaging spectroscopy and fMRI study at high field (7T). NeuroImage, 2012, 61, 10-20.	2.1	23
683	Quantitative estimates of stimulation-induced perfusion response using two-photon fluorescence microscopy of cortical microvascular networks. NeuroImage, 2012, 61, 517-524.	2.1	15
684	Calibrating the BOLD signal during a motor task using an extended fusion model incorporating DOT, BOLD and ASL data. NeuroImage, 2012, 61, 1268-1276.	2.1	18
685	Contrast-enhanced functional blood volume imaging (CE-fBVI): Enhanced sensitivity for brain activation in humans using the ultrasmall superparamagnetic iron oxide agent ferumoxytol. NeuroImage, 2012, 62, 1726-1731.	2.1	53
686	Group search algorithm recovers effective connectivity maps for individuals in homogeneous and heterogeneous samples. NeuroImage, 2012, 63, 310-319.	2.1	312
687	Development of BOLD signal hemodynamic responses in the human brain. NeuroImage, 2012, 63, 663-673.	2.1	172
688	Phase-amplitude investigation of spontaneous low-frequency oscillations of cerebral hemodynamics with near-infrared spectroscopy: A sleep study in human subjects. NeuroImage, 2012, 63, 1571-1584.	2.1	92
689	Calibrated BOLD using direct measurement of changes in venous oxygenation. Neurolmage, 2012, 63, 1178-1187.	2.1	19
690	Concurrent bias correction in hemodynamic data assimilation. Medical Image Analysis, 2012, 16, 1456-1464.	7.0	3
691	Two-Photon Microscopy as a Tool to Study Blood Flow and Neurovascular Coupling in the Rodent Brain. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 1277-1309.	2.4	405
692	Metabolic Brain Covariant Networks as Revealed by FDG-PET with Reference to Resting-State fMRI Networks. Brain Connectivity, 2012, 2, 275-283.	0.8	129
693	High-Resolution fMRI Reveals Laminar Differences in Neurovascular Coupling between Positive and Negative BOLD Responses. Neuron, 2012, 76, 629-639.	3.8	234
694	Functional Neuroimaging in Exercise and Sport Sciences. , 2012, , .		17
695	Neural networks for action representation: a functional magnetic-resonance imaging and dynamic causal modeling study. Frontiers in Human Neuroscience, 2012, 6, 236.	1.0	41

#	Article	IF	CITATIONS
696	fMRI for the Assessment of Functional Connectivity. , 0, , .		7
697	Principles and emerging applications of nanomagnetic materials in medicine. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2012, 4, 345-365.	3.3	24
698	On improving the speed and reliability of <i>T</i> ₂ â€relaxationâ€underâ€spinâ€tagging (TRUST) MRI. Magnetic Resonance in Medicine, 2012, 68, 198-204.	1.9	54
699	Quantification of arterial cerebral blood volume using multiphaseâ€balanced SSFPâ€based ASL. Magnetic Resonance in Medicine, 2012, 68, 130-139.	1.9	24
700	Convergence of human brain mapping tools: Neuronavigated TMS Parameters and fMRI activity in the hand motor area. Human Brain Mapping, 2012, 33, 1107-1123.	1.9	56
701	Usefulness of simultaneous EEG–NIRS recording in language studies. Brain and Language, 2012, 121, 110-123.	0.8	99
702	Nonlinear hemodynamic responses in human epilepsy: A multimodal analysis with fNIRS-EEG and fMRI-EEG. Journal of Neuroscience Methods, 2012, 204, 326-340.	1.3	58
703	Post-hoc selection of dynamic causal models. Journal of Neuroscience Methods, 2012, 208, 66-78.	1.3	65
704	Nonlinear estimation of neural processing time from BOLD signal with application to decisionâ€making. Human Brain Mapping, 2012, 33, 334-348.	1.9	0
705	Effect of CGRP and sumatriptan on the BOLD response in visual cortex. Journal of Headache and Pain, 2012, 13, 159-166.	2.5	31
706	Localization of the hand motor area by arterial spin labeling and blood oxygen levelâ€dependent functional magnetic resonance imaging. Human Brain Mapping, 2013, 34, 96-108.	1.9	21
707	Using competitive layer model implemented by Lotka–Volterra recurrent neural networks for detecting brain activated regions from fMRI data. Neural Computing and Applications, 2013, 22, 395-404.	3.2	0
708	Neural Engineering. , 2013, , .		24
709	The Virtual Brain Integrates Computational Modeling and Multimodal Neuroimaging. Brain Connectivity, 2013, 3, 121-145.	0.8	218
710	Imaging of intrarenal haemodynamics and oxygen metabolism. Clinical and Experimental Pharmacology and Physiology, 2013, 40, 158-167.	0.9	35
711	The role of top-down control in different phases of a sensorimotor timing task: a DCM study of adults and adolescents. Brain Imaging and Behavior, 2013, 7, 260-273.	1.1	12
712	Frequency-resolved measurements of hemodynamic oscillations and quantitative analysis with a novel hemodynamic model. , 2013, , .		0
713	Toward a fully integrated wireless wearable EEG-NIRS bimodal acquisition system. Journal of Neural Engineering, 2013, 10, 056001.	1.8	64

#	Article	IF	CITATIONS
714	Temporal Jitter of the BOLD Signal Reveals a Reliable Initial Dip and Improved Spatial Resolution. Current Biology, 2013, 23, 2146-2150.	1.8	35
715	Dynamics of the brain: Mathematical models and non-invasive experimental studies. European Physical Journal: Special Topics, 2013, 222, 2607-2622.	1.2	7
716	Understanding DCM: Ten simple rules for the clinician. NeuroImage, 2013, 83, 542-549.	2.1	65
717	Functions of the Hemodynamic Response during Hypercapnia. Functional MRI Study. Bulletin of Experimental Biology and Medicine, 2013, 155, 1-5.	0.3	3
718	Towards Practical Brain-Computer Interfaces. Biological and Medical Physics Series, 2013, , .	0.3	40
719	4th International Conference on Biomedical Engineering in Vietnam. IFMBE Proceedings, 2013, , .	0.2	3
720	Cerebral microvascular network geometry changes in response to functional stimulation. NeuroImage, 2013, 71, 248-259.	2.1	45
722	Functional imaging of cerebral perfusion. Diagnostic and Interventional Imaging, 2013, 94, 1259-1278.	1.8	21
723	Susceptibility-based functional brain mapping by 3D deconvolution of an MR-phase activation map. Journal of Neuroscience Methods, 2013, 216, 33-42.	1.3	22
725			
	Ethanol modulates the neurovascular coupling. NeuroToxicology, 2013, 34, 95-104.	1.4	3
726	Modelling hemodynamic response function in epilepsy. Clinical Neurophysiology, 2013, 124, 2108-2118.	1.4 0.7	3
726 727			
	Modelling hemodynamic response function in epilepsy. Clinical Neurophysiology, 2013, 124, 2108-2118. Connectivity in MEG resting-state networks increases after resective surgery for low-grade glioma	0.7	23
727	Modelling hemodynamic response function in epilepsy. Clinical Neurophysiology, 2013, 124, 2108-2118. Connectivity in MEG resting-state networks increases after resective surgery for low-grade glioma and correlates with improved cognitive performance. NeuroImage: Clinical, 2013, 2, 1-7. A Selective Insular Perfusion Deficit Contributes to Compromised Salience Network Connectivity in	0.7	23 48
727 728	Modelling hemodynamic response function in epilepsy. Clinical Neurophysiology, 2013, 124, 2108-2118. Connectivity in MEG resting-state networks increases after resective surgery for low-grade glioma and correlates with improved cognitive performance. NeuroImage: Clinical, 2013, 2, 1-7. A Selective Insular Perfusion Deficit Contributes to Compromised Salience Network Connectivity in Recovering Alcoholic Men. Biological Psychiatry, 2013, 74, 547-555.	0.7 1.4 0.7	23 48 76
727 728 729	Modelling hemodynamic response function in epilepsy. Clinical Neurophysiology, 2013, 124, 2108-2118. Connectivity in MEG resting-state networks increases after resective surgery for low-grade glioma and correlates with improved cognitive performance. NeuroImage: Clinical, 2013, 2, 1-7. A Selective Insular Perfusion Deficit Contributes to Compromised Salience Network Connectivity in Recovering Alcoholic Men. Biological Psychiatry, 2013, 74, 547-555. Adaptation of cerebral oxygen metabolism and blood flow and modulation of neurovascular coupling with prolonged stimulation in human visual cortex. NeuroImage, 2013, 82, 182-189. Decoding neural events from fMRI BOLD signal: A comparison of existing approaches and development	0.7 1.4 0.7 2.1	23 48 76 25
727 728 729 730	Modelling hemodynamic response function in epilepsy. Clinical Neurophysiology, 2013, 124, 2108-2118. Connectivity in MEG resting-state networks increases after resective surgery for low-grade glioma and correlates with improved cognitive performance. NeuroImage: Clinical, 2013, 2, 1-7. A Selective Insular Perfusion Deficit Contributes to Compromised Salience Network Connectivity in Recovering Alcoholic Men. Biological Psychiatry, 2013, 74, 547-555. Adaptation of cerebral oxygen metabolism and blood flow and modulation of neurovascular coupling with prolonged stimulation in human visual cortex. NeuroImage, 2013, 82, 182-189. Decoding neural events from fMRI BOLD signal: A comparison of existing approaches and development of a new algorithm. Magnetic Resonance Imaging, 2013, 31, 976-989. Auditory–Motor Interactions for the Production of Native and Non-Native Speech. Journal of	0.7 1.4 0.7 2.1 1.0	23 48 76 25 31

#	Article	IF	CITATIONS
734	Multivariate Statistical Analyses for Neuroimaging Data. Annual Review of Psychology, 2013, 64, 499-525.	9.9	214
735	Spontaneous and Task-Evoked Brain Activity Negatively Interact. Journal of Neuroscience, 2013, 33, 4672-4682.	1.7	244
736	"More Is Different―in Functional Magnetic Resonance Imaging: A Review of Recent Data Analysis Techniques. Brain Connectivity, 2013, 3, 223-239.	0.8	20
737	A blind deconvolution approach to recover effective connectivity brain networks from resting state fMRI data. Medical Image Analysis, 2013, 17, 365-374.	7.0	235
738	Gaussian Mixture Model-based noise reduction in resting state fMRI data. Journal of Neuroscience Methods, 2013, 215, 71-77.	1.3	14
739	Sensitivity of BOLD response to increasing visual contrast: Spin echo versus gradient echo EPI. NeuroImage, 2013, 82, 35-43.	2.1	11
740	Connectivity-based neurofeedback: Dynamic causal modeling for real-time fMRI. NeuroImage, 2013, 81, 422-430.	2.1	135
741	Granger causality analysis of fMRI BOLD signals is invariant to hemodynamic convolution but not downsampling. NeuroImage, 2013, 65, 540-555.	2.1	210
742	A Linear/Nonlinear Characterization of Resting State Brain Networks in fMRI Time Series. Brain Topography, 2013, 26, 39-49.	0.8	16
743	The physics of functional magnetic resonance imaging (fMRI). Reports on Progress in Physics, 2013, 76, 096601.	8.1	165
744	A review of calibrated blood oxygenation levelâ€dependent (BOLD) methods for the measurement of taskâ€induced changes in brain oxygen metabolism. NMR in Biomedicine, 2013, 26, 987-1003.	1.6	130
745	Current Trends in ERP Analysis Using EEG and EEG/fMRI Synergistic Methods. Neuromethods, 2013, , 323-350.	0.2	4
746	Attention-Dependent Modulation of Cortical Taste Circuits Revealed by Granger Causality with Signal-Dependent Noise. PLoS Computational Biology, 2013, 9, e1003265.	1.5	51
747	Model of the Transient Neurovascular Response Based on Prompt Arterial Dilation. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1429-1439.	2.4	31
748	Dynamic Neurovascular Coupling and Uncoupling during Ictal Onset, Propagation, and Termination Revealed by Simultaneous In Vivo Optical Imaging of Neural Activity and Local Blood Volume. Cerebral Cortex, 2013, 23, 885-899.	1.6	75
749	Causality within the Epileptic Network: An EEG-fMRI Study Validated by Intracranial EEG. Frontiers in Neurology, 2013, 4, 185.	1.1	24
750	Inverse correspondence between hippocampal perfusion and verbal memory performance in older adults. Hippocampus, 2013, 23, 213-220.	0.9	17
751	Relationships between hypercarbic reactivity, cerebral blood flow, and arterial circulation times in patients with moyamoya disease. Journal of Magnetic Resonance Imaging, 2013, 38, 1129-1139.	1.9	76

ARTICLE IF CITATIONS Estimation of the neuronal activation using fMRI data: An observer-based approach., 2013,,. 5 752 Mining Evolving Network Processes., 2013,,. Noninvasive functional imaging of cerebral blood volume with vascularâ€spaceâ€occupancy (VASO) MRI. 754 1.6 60 NMR in Biomedicine, 2013, 26, 932-948. Poststimulus undershoots in cerebral blood flow and BOLD fMRI responses are modulated by poststimulus neuronal activity. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13636-13641 Multiscale adaptive smoothing models for the hemodynamic response function in fMRI. Annals of 756 0.5 4 Applied Statistics, 2013, 7, 904-935. Functional magnetic resonance imaging with an ultrashort echo time. Medical Physics, 2013, 40, 1.6 022301. Correction for the T1 effect incorporating flip angle estimated by Kalman filter in cardiacâ€gated 758 1.9 12 functional MRI. Magnetic Resonance in Medicine, 2013, 70, 1626-1633. A Novel Method of Combining Blood Oxygenation and Blood Flow Sensitive Magnetic Resonance Imaging Techniques to Measure the Cerebral Blood Flow and Oxygen Metabolism Responses to an 1.1 9 Unknown Neural Stimulus. PLoS ONE, 2013, 8, e54816. Altered Hub Configurations within Default Mode Network following Acupuncture at ST36: A 760 1.1 24 Multimodal Investigation Combining fMRI and MEG. PLoS ONE, 2013, 8, e64509. Use of Frontal Lobe Hemodynamics as Reinforcement Signals to an Adaptive Controller. PLoS ONE, 1.1 2013, 8, e69541. Shifted Coupling of EEG Driving Frequencies and fMRI Resting State Networks in Schizophrenia 762 1.1 29 Spectrum Disorders. PLoS ONE, 2013, 8, e76604. An electrophysiological validation of stochastic DCM for fMRI. Frontiers in Computational 1.2 Neuroscience, 2012, 6, 103. Articulation-based sound perception in verbal repetition: a functional NIRS study. Frontiers in Human 764 1.0 11 Neuroscience, 2013, 7, 540. Discriminative analysis of non-linear brain connectivity in schizophrenia: an fMRI Study. Frontiers in 1.0 Human Neuroscience, 2013, 7, 702. Identifying effective connectivity parameters in simulated fMRI: a direct comparison of switching 766 linear dynamic system, stochastic dynamic causal, and multivariate autoregressive models. Frontiers 7 1.4 in Neuroscience, 2013, 7, 70. Current Density Imaging Using Directly Measured Harmonic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML' $\mathsf{id}=\mathsf{'M1''} \times \mathsf{mml:mrow} \times \mathsf{mml:msub} \times \mathsf{mml:mi} \times \mathsf{R}(\mathsf{mml:mi} \times \mathsf{mml:mi} \times \mathsf{rml:msub} \times \mathsf{mml:mrow} \times \mathsf{mml:math} \times \mathsf{Data}$ in MREIT. Computational and Mathematical Methods in Medicine, 2013, 2013, 1-9 Spin Echo Magnetic Resonance Imaging., 2013, , . 768 0 MR perfusion imaging in neuroscience., 0,, 103-126. 769

#	Article	IF	CITATIONS
770	Maximizing Negative Correlations in Resting-State Functional Connectivity MRI by Time-Lag. PLoS ONE, 2014, 9, e111554.	1.1	37
771	A pooling-LiNGAM algorithm for effective connectivity analysis of fMRI data. Frontiers in Computational Neuroscience, 2014, 8, 125.	1.2	15
772	Variational Bayesian causal connectivity analysis for fMRI. Frontiers in Neuroinformatics, 2014, 8, 45.	1.3	10
773	Perfusion Based Functional MRI. , 0, , .		0
774	A Practical Guide to an fMRI Experiment. , 2014, , .		0
775	Nonnegative Shifted Tensor Factorization in time frequency domain. , 2014, , .		1
776	Joint state and parameter estimation for a class of cascade systems: Application to a hemodynamic model. , 2014, , .		0
777	A nonlinear model of fMRI BOLD signal including the trend component. , 2014, , .		2
778	Investigating the spatial and temporal interactions in resting-state fMRI with total activation. , 2014, , .		0
779	The Vascular Steal Phenomenon is an Incomplete Contributor to Negative Cerebrovascular Reactivity in Patients with Symptomatic Intracranial Stenosis. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1453-1462.	2.4	20
780	Neural and Hemodynamic Responses Elicited by Forelimb- and Photo-stimulation in Channelrhodopsin-2 Mice: Insights into the Hemodynamic Point Spread Function. Cerebral Cortex, 2014, 24, 2908-2919.	1.6	82
781	Functional MRI: Genesis, State of the art and the Sequel. Indian Journal of Radiology and Imaging, 2014, 24, 6-12.	0.3	3
782	State-space models of impulse hemodynamic responses over motor, somatosensory, and visual cortices. Biomedical Optics Express, 2014, 5, 1778.	1.5	88
783	Investigating the Properties of the Hemodynamic Response Function after Mild Traumatic Brain Injury. Journal of Neurotrauma, 2014, 31, 189-197.	1.7	43
784	Slab-selective, BOLD-corrected VASO at 7 Tesla provides measures of cerebral blood volume reactivity with high signal-to-noise ratio. Magnetic Resonance in Medicine, 2014, 72, 137-148.	1.9	107
785	A sliding mode observer for hemodynamic characterization under modeling uncertainties. , 2014, , .		1
786	Estimating neural response functions from fMRI. Frontiers in Neuroinformatics, 2014, 8, 48.	1.3	7
787	Detection of reduced interhemispheric cortical communication during task execution in multiple sclerosis patients using functional near-infrared spectroscopy. Journal of Biomedical Optics, 2014, 19, 076008.	1.4	8

		CITATION R	EPORT	
#	Article		IF	CITATIONS
788	Neural brain activation imaging. , 2014, , 112-162.			4
789	An Exploration of the Effect of Hemodynamic Changes Due to Normal Aging on the fNIR Semantic Processing of Words. Frontiers in Neurology, 2014, 5, 249.	S Response to	1.1	18
790	The Human Connectome. , 2014, , 401-428.			0
791	Searching for Conservation Laws in Brain Dynamics—BOLD Flux and Source Imaging. E 3689-3709.	ntropy, 2014, 16,	1.1	3
792	Deconvolution filtering: Temporal smoothing revisited. Magnetic Resonance Imaging, 20)14, 32, 721-735.	1.0	6
793	Signal contributions to heavily diffusion-weighted functional magnetic resonance imagir investigated with multi-SE-EPI acquisitions. NeuroImage, 2014, 98, 258-265.	ng	2.1	7
794	Deconvolution of neural dynamics from fMRI data using a spatiotemporal hemodynamic function. Neurolmage, 2014, 94, 203-215.	response	2.1	43
795	Analysis of task-evoked systemic interference in fNIRS measurements: Insights from fMR 2014, 87, 490-504.	II. Neurolmage,	2.1	61
796	Spatiotemporal hemodynamic response functions derived from physiology. Journal of Th Biology, 2014, 347, 118-136.	eoretical	0.8	38
797	Dynamic and static contributions of the cerebrovasculature to the resting-state BOLD si NeuroImage, 2014, 84, 672-680.	gnal.	2.1	51
798	Early anti-correlated BOLD signal changes of physiologic origin. NeuroImage, 2014, 87, 2	287-296.	2.1	33
799	A DCM for resting state fMRI. NeuroImage, 2014, 94, 396-407.		2.1	460
800	Passive reading and motor imagery about hand actions and tool-use actions: an fMRI stu Experimental Brain Research, 2014, 232, 453-467.	ıdy.	0.7	15
801	BOLD sensitivity and SNR characteristics of parallel imaging-accelerated single-shot mult for fMRI. NeuroImage, 2014, 84, 65-75.	ti-echo EPI	2.1	16
802	Oxygen Transport to Tissue XXXVI. Advances in Experimental Medicine and Biology, 201	.4, , .	0.8	5
803	Concussions in Athletics. , 2014, , .			8
804	Specificity of stimulus-evoked fMRI responses in the mouse: The influence of systemic pl changes associated with innocuous stimulation under four different anesthetics. Neurol 94, 372-384.		2.1	108
805	Multifactor sparse feature extraction using Convolutive Nonnegative Tucker Decomposi Neurocomputing, 2014, 129, 17-24.	tion.	3.5	13

#	Article	IF	Citations
806	Optical Imaging of Neocortical Dynamics. Neuromethods, 2014, , .	0.2	8
807	Fractional dynamical model for neurovascular coupling. , 2014, 2014, 4916-9.		6
808	Human thalamic and amygdala modulation in emotional scene perception. Brain Research, 2014, 1587, 69-76.	1.1	22
809	Validation of the hypercapnic calibrated fMRI method using DOT–fMRI fusion imaging. NeuroImage, 2014, 102, 729-735.	2.1	12
810	Whole body magnetic resonance imaging (MRI). , 2014, , 266-306.		0
811	Modelling Effective Connectivity with Dynamic Causal Models. , 2014, , 47-58.		0
812	The timing and directional connectivity of human frontoparietal and ventral visual attention networks in emotional scene perception. Neuroscience, 2014, 277, 229-238.	1.1	35
813	Coupling Mechanism and Significance of the BOLD Signal: A Status Report. Annual Review of Neuroscience, 2014, 37, 161-181.	5.0	446
814	Physiological measurements using ultra-high field fMRI: a review. Physiological Measurement, 2014, 35, R167-R185.	1.2	10
815	Nonlinear neural network for hemodynamic model state and input estimation using fMRI data. Biomedical Signal Processing and Control, 2014, 14, 240-247.	3.5	6
816	Development of spatial integration depends on top-down and interhemispheric connections that can be perturbed in migraine: a DCM analysis. Neurological Sciences, 2014, 35, 215-224.	0.9	15
817	Somatosensory evoked changes in cerebral oxygen consumption measured non-invasively in premature neonates. NeuroImage, 2014, 85, 279-286.	2.1	69
818	Resting state functional connectivity: Its physiological basis and application in neuropharmacology. Neuropharmacology, 2014, 84, 79-89.	2.0	53
819	Dynamic model for the tissue concentration and oxygen saturation of hemoglobin in relation to blood volume, flow velocity, and oxygen consumption: Implications for functional neuroimaging and coherent hemodynamics spectroscopy (CHS). NeuroImage, 2014, 85, 202-221.	2.1	99
820	Task-related oxygenation and cerebral blood volume changes estimated from NIRS signals in motor and cognitive tasks. NeuroImage, 2014, 94, 107-119.	2.1	44
821	A semi-parametric nonlinear model for event-related fMRI. NeuroImage, 2014, 97, 178-187.	2.1	11
822	Investigation of the neurovascular coupling in positive and negative BOLD responses in human brain at 7T. NeuroImage, 2014, 97, 349-362.	2.1	101
823	MRI measurement of oxygen extraction fraction, mean vessel size and cerebral blood volume using serial hyperoxia and hypercapnia. NeuroImage, 2014, 92, 132-142.	2.1	15

#	Article	IF	Citations
824	On nodes and modes in resting state fMRI. NeuroImage, 2014, 99, 533-547.	2.1	72
825	EEG–fMRI integration for the study of human brain function. NeuroImage, 2014, 102, 24-34.	2.1	117
826	Cortical changes underlying balance recovery in patients with hemiplegic stroke. NeuroImage, 2014, 85, 547-554.	2.1	95
827	Validation of a novel hemodynamic model for coherent hemodynamics spectroscopy (CHS) and functional brain studies with fNIRS and fMRI. NeuroImage, 2014, 85, 222-233.	2.1	34
828	A noninvasive tumor oxygenation imaging strategy using magnetic resonance imaging of endogenous blood and tissue water. Magnetic Resonance in Medicine, 2014, 71, 561-569.	1.9	29
829	An investigation of positive and inverted hemodynamic response functions across multiple visual areas. Human Brain Mapping, 2014, 35, 5550-5564.	1.9	28
830	Nonâ€invasive quantification of absolute cerebral blood volume during functional activation applicable to the whole human brain. Magnetic Resonance in Medicine, 2014, 71, 580-590.	1.9	11
831	Relating Translational Neuroimaging and Amperometric Endpoints: Utility for Neuropsychiatric Drug Discovery. Current Topics in Behavioral Neurosciences, 2015, 28, 397-421.	0.8	8
832	Efficient solution methodology for calibrating the hemodynamic model using functional Magnetic Resonance Imaging (fMRI) measurements. , 2015, 2015, 2645-8.		0
833	Neuromodulation accompanying focused ultrasound-induced blood-brain barrier opening. Scientific Reports, 2015, 5, 15477.	1.6	93
834	A Novel Double Oscillation Model for Prediction of fMRI BOLD Signals without Detrending. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2015, E98.A, 1924-1936.	0.2	0
835	Comparison of stimulus-evoked cerebral hemodynamics in the awake mouse and under a novel anesthetic regime. Scientific Reports, 2015, 5, 12621.	1.6	37
836	Distributed Cerebral Blood Flow estimation using a spatiotemporal hemodynamic response model and a Kalman-like Filter approach. , 2015, , .		2
837	Stochastic Dynamic Causal Modelling of fMRI Data with Multiple-Model Kalman Filters. Methods of Information in Medicine, 2015, 54, 232-239.	0.7	4
838	On the distinguishability of HRF models in fMRI. Frontiers in Computational Neuroscience, 2015, 9, 54.	1.2	6
839	Emotional discrimination during viewing unpleasant pictures: timing in human anterior ventrolateral prefrontal cortex and amygdala. Frontiers in Human Neuroscience, 2015, 9, 51.	1.0	17
840	Detection of Motor Changes in Huntington's Disease Using Dynamic Causal Modeling. Frontiers in Human Neuroscience, 2015, 9, 634.	1.0	8
841	phMRI: methodological considerations for mitigating potential confounding factors. Frontiers in Neuroscience, 2015, 9, 167.	1.4	20

#	Article	IF	CITATIONS
842	Investigating Human Neurovascular Coupling Using Functional Neuroimaging: A Critical Review of Dynamic Models. Frontiers in Neuroscience, 2015, 9, 467.	1.4	91
843	Multistability in Large Scale Models of Brain Activity. PLoS Computational Biology, 2015, 11, e1004644.	1.5	55
844	Nonlinear Bayesian Estimation of BOLD Signal under Non-Gaussian Noise. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-10.	0.7	2
845	A Sensitivity Analysis of fMRI Balloon Model. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-11.	0.7	2
846	Dynamic causal modelling of brain–behaviour relationships. NeuroImage, 2015, 117, 202-221.	2.1	28
847	Dynamic causal modelling for functional near-infrared spectroscopy. NeuroImage, 2015, 111, 338-349.	2.1	41
848	A validation study of the use of near-infrared spectroscopy imaging in primary and secondary motor areas of the human brain. Epilepsy and Behavior, 2015, 49, 118-125.	0.9	18
849	The hemodynamic response to somatosensory stimulation in mice depends on the anesthetic used: Implications on analysis of mouse fMRI data. NeuroImage, 2015, 116, 40-49.	2.1	80
850	A mathematical model relating cortical oxygenated and deoxygenated hemoglobin flows and volumes to neural activity. Journal of Neural Engineering, 2015, 12, 046013.	1.8	0
851	Eyeblink Classical Conditioning. , 2015, , 635-641.		0
852	Variational Physiologically Informed Solution to Hemodynamic and Perfusion Response Estimation from ASL fMRI Data. , 2015, , .		1
853	Physiological models comparison for the analysis of ASL FMRI data. , 2015, , .		4
854	Improving parameter estimation in Dynamic Casual Modeling with Artificial Bee Colony optimization. , 2015, , .		0
855	Joint variational Bayesian extended Kalman filter for the estimation of the metabolic/hemodynamic model. , 2015, , .		0
856	Feedback to distal dendrites links fMRI signals to neural receptive fields in a spiking network model of the visual cortex. Journal of Neurophysiology, 2015, 114, 57-69.	0.9	5
857	Functional Mapping of the Human Visual Cortex with Intravoxel Incoherent Motion MRI. PLoS ONE, 2015, 10, e0117706.	1.1	21
858	The impact of destination images on tourists' decision making. Journal of Hospitality and Tourism Technology, 2015, 6, 174-194.	2.5	34
859	(S)-citalopram influences amygdala modulation in healthy subjects: a randomized placebo-controlled double-blind fMRI study using dynamic causal modeling. NeuroImage, 2015, 108, 243-250.	2.1	39

#	Article	IF	CITATIONS
860	Dynamic Modulation of the Action Observation Network by Movement Familiarity. Journal of Neuroscience, 2015, 35, 1561-1572.	1.7	82
861	NIRS-based classification of clench force and speed motor imagery with the use of empirical mode decomposition for BCI. Medical Engineering and Physics, 2015, 37, 280-286.	0.8	20
862	Investigation of negative BOLD responses in human brain through NIRS technique. A visual stimulation study. NeuroImage, 2015, 108, 410-422.	2.1	37
863	Defaultâ€mode network functional connectivity is closely related to metabolic activity. Human Brain Mapping, 2015, 36, 2027-2038.	1.9	121
864	Construct validation of a DCM for resting state fMRI. NeuroImage, 2015, 106, 1-14.	2.1	245
866	Cortical depth dependence of the BOLD initial dip and poststimulus undershoot in human visual cortex at 7 Tesla. Magnetic Resonance in Medicine, 2015, 73, 2283-2295.	1.9	52
867	Studying cerebral hemodynamics and metabolism using simultaneous near-infrared spectroscopy and transcranial Doppler ultrasound: a hyperventilation and caffeine study. Physiological Reports, 2015, 3, e12378.	0.7	11
868	Quantitative separation of arterial and venous cerebral blood volume increases during voluntary locomotion. Neurolmage, 2015, 105, 369-379.	2.1	56
869	Venous cerebral blood volume increase during voluntary locomotion reflects cardiovascular changes. Neurolmage, 2015, 118, 301-312.	2.1	26
870	Improving the precision of fMRI BOLD signal deconvolution with implications for connectivity analysis. Magnetic Resonance Imaging, 2015, 33, 1314-1323.	1.0	18
871	A deconvolution-based approach to identifying large-scale effective connectivity. Magnetic Resonance Imaging, 2015, 33, 1290-1298.	1.0	1
872	Eccentricity Mapping of the Human Visual Cortex to Evaluate Temporal Dynamics of Functional <i>T</i> _{1I} Mapping. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1213-1219.	2.4	11
873	Dynamic Causal Models for fMRI. , 2015, , 617-624.		0
874	Comparison of linear and nonlinear models for coherent hemodynamics spectroscopy (CHS). , 2015, , .		0
875	Directed Spectral Methods. , 2015, , 1030-1033.		0
876	Language Processing, Functional Magnetic Resonance Imaging of. , 2015, , 368-380.		4
877	Functional MRI Dynamics. , 2015, , 81-87.		0
878	Convolution Models for FMRI. , 2015, , 483-488.		3

#	Article	IF	CITATIONS
879	Temporal Resolution and Spatial Resolution of fMRI. , 2015, , 173-182.		0
880	MRI and fMRI Optimizations and Applications. , 2015, , 183-190.		0
881	Effective Connectivity. , 2015, , 587-592.		0
882	Multi-timescale Modeling of Activity-Dependent Metabolic Coupling in the Neuron-Glia-Vasculature Ensemble. PLoS Computational Biology, 2015, 11, e1004036.	1.5	86
883	Models of fMRI Signal Changes. , 2015, , 541-547.		0
884	Understanding the dynamic relationship between cerebral blood flow and the BOLD signal: Implications for quantitative functional MRI. NeuroImage, 2015, 116, 158-167.	2.1	34
885	Modeling fMRI signals can provide insights into neural processing in the cerebral cortex. Journal of Neurophysiology, 2015, 114, 768-780.	0.9	8
886	Simultaneous EEG-fMRI in Epilepsy. Medical Radiology, 2015, , 159-177.	0.0	1
887	Revealing Brain Activity and White Matter Structure Using Functional and Diffusion-Weighted Magnetic Resonance Imaging. Medical Radiology, 2015, , 13-60.	0.0	0
888	Imaging methodologies and applications for nutrition research: what can functional MRI offer?. Proceedings of the Nutrition Society, 2015, 74, 89-98.	0.4	9
889	Nonparametric Hemodynamic Deconvolution of fMRI Using Homomorphic Filtering. IEEE Transactions on Medical Imaging, 2015, 34, 1155-1163.	5.4	57
890	A prospective fMRI-based technique for localising the epileptogenic zone in presurgical evaluation of epilepsy. NeuroImage, 2015, 113, 329-339.	2.1	25
891	Functional Magnetic Resonance Imaging Methods. Neuropsychology Review, 2015, 25, 289-313.	2.5	118
892	Inferring Effective Connectivity from fMRI Data. Biological Magnetic Resonance, 2015, , 365-386.	0.4	0
893	Reconstructing fMRI BOLD signals arising from cerebellar granule neurons - comparing GLM and balloon models. , 2015, , .		1
894	Estimation of dynamic functional connectivity using Multiplication of Temporal Derivatives. NeuroImage, 2015, 122, 399-407.	2.1	160
895	Transient brain activity disentangles fMRI resting-state dynamics in terms of spatially and temporally overlapping networks. Nature Communications, 2015, 6, 7751.	5.8	307
896	Physiologically informed dynamic causal modeling of fMRI data. NeuroImage, 2015, 122, 355-372.	2.1	109

#	Article	IF	CITATIONS
897	Development of common neural representations for distinct numerical problems. Neuropsychologia, 2015, 75, 481-495.	0.7	17
898	Mindfulness Meditation-Based Pain Relief Employs Different Neural Mechanisms Than Placebo and Sham Mindfulness Meditation-Induced Analgesia. Journal of Neuroscience, 2015, 35, 15307-15325.	1.7	254
899	Modern Electroencephalographic Assessment Techniques. Neuromethods, 2015, , .	0.2	7
900	Associations of Resting-State fMRI Functional Connectivity with Flow-BOLD Coupling and Regional Vasculature. Brain Connectivity, 2015, 5, 137-146.	0.8	54
901	BOLD fractional contribution to resting-state functional connectivity above 0.1 Hz. NeuroImage, 2015, 107, 207-218.	2.1	172
902	Disrupted Effective Connectivity Between the Amygdala and Orbitofrontal Cortex in Social Anxiety Disorder During Emotion Discrimination Revealed by Dynamic Causal Modeling for fMRI. Cerebral Cortex, 2015, 25, 895-903.	1.6	139
903	Voxel selection and neural decoding of fMRI data based on robust sparse programming with multi-dimensional derivative constraints. Multidimensional Systems and Signal Processing, 2015, 26, 225-241.	1.7	1
904	Imaging Brain Networks for Language. , 2016, , 805-814.		7
905	fMRI at High Spatial Resolution: Implications for BOLD-Models. Frontiers in Computational Neuroscience, 2016, 10, 66.	1.2	104
906	Modeling of Cerebral Oxygen Transport Based on In vivo Microscopic Imaging of Microvascular Network Structure, Blood Flow, and Oxygenation. Frontiers in Computational Neuroscience, 2016, 10, 82.	1.2	60
907	Dynamic Multiscale Modes of Resting State Brain Activity Detected by Entropy Field Decomposition. Neural Computation, 2016, 28, 1769-1811.	1.3	11
908	Mathematical Models. SpringerBriefs in Bioengineering, 2016, , 39-56.	0.8	0
909	Testâ€retest reliability of effective connectivity in the face perception network. Human Brain Mapping, 2016, 37, 730-744.	1.9	36
910	Modulation of post-movement beta rebound by contraction force and rate of force development. Human Brain Mapping, 2016, 37, 2493-2511.	1.9	65
911	Detecting spatio-temporal modes in multivariate data by entropy field decomposition. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 395001.	0.7	7
912	Shock-like haemodynamic responses induced in the primary visual cortex by moving visual stimuli. Journal of the Royal Society Interface, 2016, 13, 20160576.	1.5	9
913	Influence of Resting Venous Blood Volume Fraction on Dynamic Causal Modeling and System Identifiability. Scientific Reports, 2016, 6, 29426.	1.6	0
914	Improved optimization algorithm for human brain structural connectivity with functional connectivity using dynamic mean-field model. , 2016, , .		0

#	Article	IF	CITATIONS
915	Progression from Vegetative to Minimally Conscious State Is Associated with Changes in Brain Neural Response to Passive Tasks: A Longitudinal Single-Case Functional MRI Study. Journal of the International Neuropsychological Society, 2016, 22, 620-630.	1.2	21
916	Total-activation regularized deconvolution of resting-state fMRI leads to reproducible networks with spatial overlap. , 2016, , .		3
917	Global signal modulation of single-trial fMRI response variability: Effect on positive vs negative BOLD response relationship. NeuroImage, 2016, 133, 62-74.	2.1	22
918	A Differential Evolution-Based Approach for Fitting a Nonlinear Biophysical Model to fMRI BOLD Data. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 416-427.	7.3	4
919	Globally conditioned Granger causality in brain–brain and brain–heart interactions: a combined heart rate variability/ultra-high-field (7 T) functional magnetic resonance imaging study. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150185.	1.6	42
920	Design and Application of a New Automated Fluidic Visceral Stimulation Device for Human fMRI Studies of Interoception. IEEE Journal of Translational Engineering in Health and Medicine, 2016, 4, 1-12.	2.2	7
921	FIACH: A biophysical model for automatic retrospective noise control in fMRI. NeuroImage, 2016, 124, 1009-1020.	2.1	53
922	Joint parameter and state estimation of the hemodynamic model by iterative extended Kalman smoother. Biomedical Signal Processing and Control, 2016, 24, 47-62.	3.5	7
923	A hierarchical model for integrating unsupervised generative embedding and empirical Bayes. Journal of Neuroscience Methods, 2016, 269, 6-20.	1.3	23
924	The Connected Brain: Causality, models, and intrinsic dynamics. IEEE Signal Processing Magazine, 2016, 33, 14-35.	4.6	61
925	Response-mode decomposition of spatio-temporal haemodynamics. Journal of the Royal Society Interface, 2016, 13, 20160253.	1.5	10
926	Speech-evoked activation in adult temporal cortex measured using functional near-infrared spectroscopy (fNIRS): Are the measurements reliable?. Hearing Research, 2016, 339, 142-154.	0.9	65
927	Modelling confounding effects from extracerebral contamination and systemic factors on functional near-infrared spectroscopy. NeuroImage, 2016, 143, 91-105.	2.1	99
928	Fast fMRI can detect oscillatory neural activity in humans. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6679-E6685.	3.3	146
929	Joint state and parameter estimation of the hemodynamic model by particle smoother expectation maximization method. Journal of Neural Engineering, 2016, 13, 046010.	1.8	3
930	Measuring Pain for Patients Seeking Physical Therapy: Can Functional Magnetic Resonance Imaging (fMRI) Help?. Physical Therapy, 2017, 97, 145-155.	1.1	3
931	Statistical inference of dynamic restingâ€state functional connectivity using hierarchical observation modeling. Human Brain Mapping, 2016, 37, 4566-4580.	1.9	1
932	Functional magnetic resonance imaging in chronic ischaemic stroke. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150353.	1.8	31

#	Article	IF	CITATIONS
933	The roadmap for estimation of cell-type-specific neuronal activity from non-invasive measurements. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150356.	1.8	41
934	Validation and optimization of hypercapnic-calibrated fMRI from oxygen-sensitive two-photon microscopy. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150359.	1.8	27
935	Multi-kernel based nonlinear models for connectivity identification of brain networks. , 2016, , .		33
936	Computational reconstruction of fMRI-BOLD from neural activity. , 2016, , .		4
937	EEG–fMRI Bayesian framework for neural activity estimation: a simulation study. Journal of Neural Engineering, 2016, 13, 066017.	1.8	12
938	Hemodynamic signals in fNIRS. Progress in Brain Research, 2016, 225, 153-179.	0.9	53
939	The 100 most-cited articles in neuroimaging: A bibliometric analysis. NeuroImage, 2016, 139, 149-156.	2.1	70
940	Characterization of the relative contributions from systemic physiological noise to whole-brain resting-state functional near-infrared spectroscopy data using single-channel independent component analysis. Neurophotonics, 2016, 3, 025004.	1.7	15
941	The spatiotemporal hemodynamic response function for depth-dependent functional imaging of human cortex. NeuroImage, 2016, 139, 240-248.	2.1	43
942	Multimodal investigation of epileptic networks. Progress in Brain Research, 2016, 226, 1-33.	0.9	9
943	A novel approach to calibrate the hemodynamic model using functional Magnetic Resonance Imaging (fMRI) measurements. Journal of Neuroscience Methods, 2016, 262, 93-109.	1.3	4
944	Hemodynamic response function abnormalities in schizophrenia during a multisensory detection task. Human Brain Mapping, 2016, 37, 745-755.	1.9	21
945	Comparison of peripheral nearâ€infrared spectroscopy lowâ€frequency oscillations to other denoising methods in resting state functional MRI with ultrahigh temporal resolution. Magnetic Resonance in Medicine, 2016, 76, 1697-1707.	1.9	36
946	Cerebral Autoregulation. SpringerBriefs in Bioengineering, 2016, , .	0.8	37
947	Dynamic coupling of complex brain networks and dual-task behavior. NeuroImage, 2016, 129, 233-246.	2.1	25
948	Mechanisms of hemispheric lateralization: Asymmetric interhemispheric recruitment in the face perception network. NeuroImage, 2016, 124, 977-988.	2.1	70
949	Integrating Levels of Analysis in Systems and Cognitive Neurosciences. Neuroscientist, 2016, 22, 225-237.	2.6	13
950	A hemodynamic model for layered BOLD signals. NeuroImage, 2016, 125, 556-570.	2.1	128

#	Article	IF	CITATIONS
951	Comparison of the hemodynamic filtering methods and particle filter with extended Kalman filter approximated proposal function as an efficient hemodynamic state estimation method. Biomedical Signal Processing and Control, 2016, 25, 99-107.	3.5	8
952	mpdcm: A toolbox for massively parallel dynamic causal modeling. Journal of Neuroscience Methods, 2016, 257, 7-16.	1.3	35
953	Nonlinear extension of a hemodynamic linear model for coherent hemodynamics spectroscopy. Journal of Theoretical Biology, 2016, 389, 132-145.	0.8	5
954	Temporal pattern of acoustic imaging noise asymmetrically modulates activation in the auditory cortex. Hearing Research, 2016, 331, 57-68.	0.9	5
955	Arterial impulse model for the BOLD response to brief neural activation. NeuroImage, 2016, 124, 394-408.	2.1	39
956	Early haemodynamic changes observed in patients with epilepsy, in a visual experiment and in simulations. Clinical Neurophysiology, 2016, 127, 245-253.	0.7	3
957	Regional Homogeneity. Neuroscientist, 2016, 22, 486-505.	2.6	228
958	Magnetic resonance advection imaging of cerebrovascular pulse dynamics. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 1223-1235.	2.4	5
959	Time to wake up: Studying neurovascular coupling and brain-wide circuit function in the un-anesthetized animal. NeuroImage, 2017, 153, 382-398.	2.1	177
960	Reliability of the depth-dependent high-resolution BOLD hemodynamic response in human visual cortex and vicinity. Magnetic Resonance Imaging, 2017, 39, 53-63.	1.0	21
961	An efficient multistage algorithm for full calibration of the hemodynamic model from BOLD signal responses. International Journal for Numerical Methods in Biomedical Engineering, 2017, 33, e2875.	1.0	4
962	Task-dependent modulation of amygdala connectivity in social anxiety disorder. Psychiatry Research - Neuroimaging, 2017, 262, 39-46.	0.9	21
963	Structural imaging of mild traumatic brain injury may not be enough: overview of functional and metabolic imaging of mild traumatic brain injury. Brain Imaging and Behavior, 2017, 11, 591-610.	1.1	51
964	Regression DCM for fMRI. NeuroImage, 2017, 155, 406-421.	2.1	124
965	Frequency-phase analysis of resting-state functional MRI. Scientific Reports, 2017, 7, 43743.	1.6	18
966	Brain atrophy can introduce ageâ€related differences in BOLD response. Human Brain Mapping, 2017, 38, 3402-3414.	1.9	17
967	Relationship between relative cerebral blood flow, relative cerebral blood volume, and relative cerebral metabolic rate of oxygen in the preterm neonatal brain. Neurophotonics, 2017, 4, 021104.	1.7	10
968	Hemodynamic Changes Associated with Interictal Spikes Induced by Acute Models of Focal Epilepsy in Rats: A Simultaneous Electrocorticography and Near-Infrared Spectroscopy Study. Brain Topography, 2017, 30, 390-407.	0.8	14

# 969	ARTICLE Characterization and correction of the false-discovery rates in resting state connectivity using functional near-infrared spectroscopy. Journal of Biomedical Optics, 2017, 22, 055002.	IF 1.4	CITATIONS
970	Exploiting neurovascular coupling: a Bayesian sequential Monte Carlo approach applied to simulated EEC fNIRS data. Journal of Neural Engineering, 2017, 14, 046029.	1.8	26
971	Post-stimulus fMRI and EEG responses: Evidence for a neuronal origin hypothesised to be inhibitory. NeuroImage, 2017, 157, 388-399.	2.1	40
972	Exploring connectivity with large-scale Granger causality on resting-state functional MRI. Journal of Neuroscience Methods, 2017, 287, 68-79.	1.3	31
973	On the importance of modeling fMRI transients when estimating effective connectivity: A dynamic causal modeling study using ASL data. NeuroImage, 2017, 155, 217-233.	2.1	24
974	The hemodynamic signal as a first-order low-pass temporal filter: Evidence and implications for neuroimaging studies. NeuroImage, 2017, 155, 394-405.	2.1	6
975	Multi-echo fMRI: A review of applications in fMRI denoising and analysis of BOLD signals. NeuroImage, 2017, 154, 59-80.	2.1	238
976	Causal search procedures for fMRI: review and suggestions. Behaviormetrika, 2017, 44, 193-225.	0.9	16
977	Investigating the role of temporal lobe activation in speech perception accuracy with normal hearing adults: An event-related fNIRS study. Neuropsychologia, 2017, 106, 31-41.	0.7	16
978	Dualâ€echo ASL contributes to decrypting the link between functional connectivity and cerebral blow flow. Human Brain Mapping, 2017, 38, 5831-5844.	1.9	18
979	Valsalva-induced elevation of intracranial pressure selectively decouples deoxygenated hemoglobin concentration from neuronal activation and functional brain imaging capability. NeuroImage, 2017, 162, 151-161.	2.1	6
980	Echo-time dependence of the BOLD response transients – A window into brain functional physiology. NeuroImage, 2017, 159, 355-370.	2.1	23
981	The impact of hemodynamic variability and signal mixing on the identifiability of effective connectivity structures in <scp>BOLD fMRI</scp> . Brain and Behavior, 2017, 7, e00777.	1.0	20
982	Identifying directional connections in brain networks via multi-kernel granger models. , 2017, , .		3
983	Are rapid changes in brain elasticity possible?. Physics in Medicine and Biology, 2017, 62, 7425-7439.	1.6	18
984	Comparing brain graphs in which nodes are regions of interest or independent components: A simulation study. Journal of Neuroscience Methods, 2017, 291, 61-68.	1.3	47
985	Encoding model of temporal processing in human visual cortex. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E11047-E11056.	3.3	62
986	Neural inhibition can explain negative BOLD responses: A mechanistic modelling and fMRI study. NeuroImage, 2017, 158, 219-231.	2.1	47

#	Article	IF	CITATIONS
987	Motor learning in a complex balance task and associated neuroplasticity: a comparison between endurance athletes and nonathletes. Journal of Neurophysiology, 2017, 118, 1849-1860.	0.9	35
988	Quantitative measurement of cerebral blood volume using velocityâ€selective pulse trains. Magnetic Resonance in Medicine, 2017, 77, 92-101.	1.9	22
989	A model of neurovascular coupling and the BOLD response: PART I. Computer Methods in Biomechanics and Biomedical Engineering, 2017, 20, 508-518.	0.9	15
990	A model of neurovascular coupling and the BOLD response PART II. Computer Methods in Biomechanics and Biomedical Engineering, 2017, 20, 519-529.	0.9	11
991	Empirical validation of directed functional connectivity. NeuroImage, 2017, 146, 275-287.	2.1	33
992	Effects of astrocytic dynamics on spatiotemporal hemodynamics: Modeling and enhanced data analysis. NeuroImage, 2017, 147, 994-1005.	2.1	22
993	A novel infusionâ€drainage device to assess lower urinary tract function in neuroâ€imaging. BJU International, 2017, 119, 305-316.	1.3	5
994	Mapping white-matter functional organization at rest and during naturalistic visual perception. Neurolmage, 2017, 146, 1128-1141.	2.1	86
995	Mitochondrial calcium homeostasis: Implications for neurovascular and neurometabolic coupling. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 381-395.	2.4	28
996	Integrated mathematical models for describing complex biological processes. Biophysics (Russian) Tj ETQq1 1 0.	784314 rg 0.2	gBT /Overlock
997	Source Estimation for the Damped Wave Equation Using Modulating Functions Method: Application to the Estimation of the Cerebral Blood Flow. IFAC-PapersOnLine, 2017, 50, 7082-7088.	0.5	1
998	Mathematical Modelling of Cerebellar Granular Layer Neurons and Network Activity: Information Estimation, Population Behaviour and Robotic Abstractions. Springer INdAM Series, 2017, , 61-85.	0.4	0
999	Estimating effective connectivity in linear brain network models. , 2017, , .		7
1000	Increased prefrontal cortex connectivity during cognitive challenge assessed by fNIRS imaging. Biomedical Optics Express, 2017, 8, 3842.	1.5	53
1001	Detection and classification of three-class initial dips from prefrontal cortex. Biomedical Optics Express, 2017, 8, 367.	1.5	111
1002	Determining Excitatory and Inhibitory Neuronal Activity from Multimodal fMRI Data Using a Generative Hemodynamic Model. Frontiers in Neuroscience, 2017, 11, 616.	1.4	98
1003	Electrophysiological and hemodynamic mismatch responses in rats listening to human speech syllables. PLoS ONE, 2017, 12, e0173801.	1.1	9
1004	Hemodynamic Model Inversion by Iterative Extended Kalman Smoother. , 2017, , 181-199.		Ο

#	Article	IF	CITATIONS
1005	How to Perform and Interpret Functional Magnetic Resonance Imaging Studies in Functional Gastrointestinal Disorders. Journal of Neurogastroenterology and Motility, 2017, 23, 197-207.	0.8	9
1006	Ultra-Slow Single-Vessel BOLD and CBV-Based fMRI Spatiotemporal Dynamics and Their Correlation with Neuronal Intracellular Calcium Signals. Neuron, 2018, 97, 925-939.e5.	3.8	113
1007	Simulating laminar neuroimaging data for a visual delayed match-to-sample task. NeuroImage, 2018, 173, 199-222.	2.1	11
1008	Functional MRI registration with tissueâ€specific patchâ€based functional correlation tensors. Human Brain Mapping, 2018, 39, 2303-2316.	1.9	11
1009	Integrated models of neurovascular coupling and BOLD signals: Responses for varying neural activations. NeuroImage, 2018, 174, 69-86.	2.1	25
1010	The effects of capillary transit time heterogeneity on the BOLD signal. Human Brain Mapping, 2018, 39, 2329-2352.	1.9	13
1011	Fast periodic stimulation (FPS): a highly effective approach in fMRI brain mapping. Brain Structure and Function, 2018, 223, 2433-2454.	1.2	45
1012	Directed functional connectivity using dynamic graphical models. NeuroImage, 2018, 175, 340-353.	2.1	23
1013	The development of functional network organization in early childhood and early adolescence: A resting-state fNIRS study. Developmental Cognitive Neuroscience, 2018, 30, 223-235.	1.9	48
1014	Simultaneous estimation of population receptive field and hemodynamic parameters from single point BOLD responses using Metropolis-Hastings sampling. NeuroImage, 2018, 172, 175-193.	2.1	12
1015	Generative models for clinical applications in computational psychiatry. Wiley Interdisciplinary Reviews: Cognitive Science, 2018, 9, e1460.	1.4	34
1016	Reduced Functional Connectivity in Adults with Persistent Post-Concussion Symptoms: A Functional Near-Infrared Spectroscopy Study. Journal of Neurotrauma, 2018, 35, 1224-1232.	1.7	42
1017	Putting the "dynamic―back into dynamic functional connectivity. Network Neuroscience, 2018, 2, 150-174.	1.4	46
1018	Computational Models of Dysconnectivity in Large-Scale Resting-State Networks. , 2018, , 87-116.		2
1019	Dynamic Causal Modeling and Its Application to Psychiatric Disorders. , 2018, , 117-144.		4
1020	Challenges and techniques for presurgical brain mapping with functional MRI. NeuroImage: Clinical, 2018, 17, 794-803.	1.4	107
1021	Effective connectivity during working memory and resting states: A DCM study. Neurolmage, 2018, 169, 485-495.	2.1	31
1022	Contribution of systemic vascular effects to fMRI activity in white matter. NeuroImage, 2018, 176, 541-549.	2.1	60

#	Article	IF	CITATIONS
1023	Noise reduction in fNIRS data using extended Kalman filter combined with short separation measurement. , 2018, , .		3
1024	Mathematical analysis of the influence of brain metabolism on the BOLD signal in Alzheimer's disease. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 304-316.	2.4	11
1025	Linking brain vascular physiology to hemodynamic response in ultra-high field MRI. NeuroImage, 2018, 168, 279-295.	2.1	137
1026	Pulse sequences and parallel imaging for high spatiotemporal resolution MRI at ultra-high field. NeuroImage, 2018, 168, 101-118.	2.1	47
1027	Serial correlations in single-subject fMRI with sub-second TR. NeuroImage, 2018, 166, 152-166.	2.1	61
1028	Testing a linear time invariant model for skin conductance responses by intraneural recording and stimulation. Psychophysiology, 2018, 55, e12986.	1.2	23
1029	A novel and effective fMRI decoding approach based on sliced inverse regression and its application to pain prediction. Neurocomputing, 2018, 273, 373-384.	3.5	18
1030	Structural impacts on the timing and amplitude of the negative BOLD response. Magnetic Resonance Imaging, 2018, 45, 34-42.	1.0	8
1031	Quantitative relations between BOLD responses, cortical energetics, and impulse firing. Journal of Neurophysiology, 2018, 119, 979-989.	0.9	5
1032	Methodological challenges in the comparison of infant fMRI across age groups. Developmental Cognitive Neuroscience, 2018, 33, 194-205.	1.9	34
1033	Quantification of Resting-State fMRI Networks Driven by Hemodynamically Informed Spatiotemporal Regularization. , 2018, , .		0
1034	The role of noise modeling in the estimation of resting-state brain effective connectivity. IFAC-PapersOnLine, 2018, 51, 527-532.	0.5	2
1035	A realistic neuronal network and neurovascular coupling model for the study of multivariate directed connectivity in fMRI data. , 2018, 2018, 5537-5540.		2
1036	Modeling Light Propagation through the Tissues of the Head Taking Account of Scattering Anisotropy to Optimize the Positioning of Irradiation Detectors and Sources in a Brain–Computer Interface Based on Near Infrared Spectroscopy. Neuroscience and Behavioral Physiology, 2018, 48, 1158-1163.	0.2	0
1037	Existence of Initial Dip for BCI: An Illusion or Reality. Frontiers in Neurorobotics, 2018, 12, 69.	1.6	64
1038	Comparison of fluctuations in global network topology of modeled and empirical brain functional connectivity. PLoS Computational Biology, 2018, 14, e1006497.	1.5	24
1039	A short, robust brain activation control task optimised for pharmacological fMRI studies. PeerJ, 2018, 6, e5540.	0.9	7
1040	Inhibitory Neuron Activity Contributions to Hemodynamic Responses and Metabolic Load Examined Using an Inhibitory Optogenetic Mouse Model. Cerebral Cortex, 2018, 28, 4105-4119.	1.6	71

#	Article	IF	CITATIONS
1041	The brain's hemodynamic response function rapidly changes under acute psychosocial stress in association with genetic and endocrine stress response markers. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10206-E10215.	3.3	53
1042	IoT Architecture Based SDN for Security: A Review. , 2018, , .		0
1043	An approach for a reconstruction-derived whole-blood arterial input function (RDIF) in PET/MRI. , 2018, , .		0
1044	User Behavior Trust Modeling in Cloud Security. , 2018, , .		3
1045	Longitudinal observations using simultaneous fMRI, multiple channel electrophysiology recording, and chemical microiontophoresis in the rat brain. Journal of Neuroscience Methods, 2018, 306, 68-76.	1.3	9
1046	A generative model of whole-brain effective connectivity. NeuroImage, 2018, 179, 505-529.	2.1	83
1047	Mutual connectivity analysis of resting-state functional MRI data with local models. NeuroImage, 2018, 178, 210-223.	2.1	18
1048	Generalized Recurrent Neural Network accommodating Dynamic Causal Modeling for functional MRI analysis. Neurolmage, 2018, 178, 385-402.	2.1	15
1049	Differentiation of Alzheimer's disease based on local and global parameters in personalized Virtual Brain models. NeuroImage: Clinical, 2018, 19, 240-251.	1.4	69
1050	A validation of dynamic causal modelling for 7T fMRI. Journal of Neuroscience Methods, 2018, 305, 36-45.	1.3	18
1051	Assessment of brain oxygenation imbalance following soman exposure in rats. NeuroToxicology, 2018, 65, 28-37.	1.4	13
1052	Variational Bayesian inversion for hierarchical unsupervised generative embedding (HUGE). NeuroImage, 2018, 179, 604-619.	2.1	12
1054	fMRI as a Preimplant Objective Tool to Predict Children's Postimplant Auditory and Language Outcomes as Measured by Parental Observations. Journal of the American Academy of Audiology, 2018, 29, 389-404.	0.4	1
1055	Stimulus-dependent hemodynamic response timing across the human subcortical-cortical visual pathway identified through high spatiotemporal resolution 7T fMRI. NeuroImage, 2018, 181, 279-291.	2.1	63
1056	Neuronal Activation Detection Using Vector Phase Analysis with Dual Threshold Circles: A Functional Near-Infrared Spectroscopy Study. International Journal of Neural Systems, 2018, 28, 1850031.	3.2	64
1057	Spectral Dynamics of Resting State fMRI Within the Ventral Tegmental Area and Dorsal Raphe Nuclei in Medication-Free Major Depressive Disorder in Young Adults. Frontiers in Psychiatry, 2018, 9, 163.	1.3	23
1058	Sparse Estimation of Resting-State Effective Connectivity From fMRI Cross-Spectra. Frontiers in Neuroscience, 2018, 12, 287.	1.4	5
1059	Automated Processing of fNIRS Data—A Visual Guide to the Pitfalls and Consequences. Algorithms, 2018, 11, 67.	1.2	76

		ITATION REPOR	1	
#	Article	IF	Cı	TATIONS
1060	Impulse response timing differences in BOLD and CBV weighted fMRI. NeuroImage, 2018, 181, 292	-300. 2.1	6	
1061	Active Inference in OpenAl Gym: A Paradigm forÂComputational Investigations Into PsychiatricÂllIne Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2018, 3, 809-818.	255. 1.1	30	
1062	Multivariate Granger causality unveils directed parietal to prefrontal cortex connectivity during task-free MRI. Scientific Reports, 2018, 8, 5571.	1.6	32	
1063	Modelling dynamic changes in blood flow and volume in the cerebral vasculature. NeuroImage, 2018 176, 124-137.	3, 2.1	. 13	
1064	Computational EEG Analysis. Biological and Medical Physics Series, 2018, , .	0.3	3 21	
1065	Variability and reliability of effective connectivity within the core default mode network: A multi-site longitudinal spectral DCM study. NeuroImage, 2018, 183, 757-768.	2.1	51	
1066	EEG Source Imaging and Multimodal Neuroimaging. Biological and Medical Physics Series, 2018, , 8	3-123. 0.3	3 0	
1067	A deconvolution scheme for the stochastic metabolic/hemodynamic model (sMHM) based on the square root cubature Kalman filter and maximum likelihood estimation. Biomedical Signal Processin and Control, 2018, 45, 284-304.	g 3.5	7	
1068	Disentangling causal webs in the brain using functional magnetic resonance imaging: A review of current approaches. Network Neuroscience, 2019, 3, 237-273.	1.4	46	I
1069	A deconvolution algorithm for multi-echo functional MRI: Multi-echo Sparse Paradigm Free Mapping NeuroImage, 2019, 202, 116081.	. 2.1	. 21	
1070	A macaque connectome for large-scale network simulations in TheVirtualBrain. Scientific Data, 2019 6, 123.), 2.4	56	
1071	Differential sustained and transient temporal processing across visual streams. PLoS Computational Biology, 2019, 15, e1007011.	1.5	25	
1072	Application of Functional Near-Infrared Spectroscopy to Measure Engineering Decision-Making and Design Cognition: Literature Review and Synthesis of Methods. Journal of Computing in Civil Engineering, 2019, 33, 04019034.	2.5	25	
1073	The neurovascular response is attenuated by focused ultrasound-mediated disruption of the blood-brain barrier. Neurolmage, 2019, 201, 116010.	2.1	. 20	
1074	Quantitative relations between transient BOLD responses, cortical energetics, and impulse firing in different cortical regions. Journal of Neurophysiology, 2019, 122, 1226-1237.	0.9) 3	
1075	Advancing functional connectivity research from association to causation. Nature Neuroscience, 2019, 22, 1751-1760.	7.1	21	5
1076	Brain activation during executive control after acute exercise in older adults. International Journal of Psychophysiology, 2019, 146, 240-248.	0.5	5 19	
1077	Assessment of age-related decline of neurovascular coupling responses by functional near-infrared spectroscopy (fNIRS) in humans. GeroScience, 2019, 41, 495-509.	2.1	. 63	

#	Article	IF	CITATIONS
1078	Low Frequency Systemic Hemodynamic "Noise―in Resting State BOLD fMRI: Characteristics, Causes, Implications, Mitigation Strategies, and Applications. Frontiers in Neuroscience, 2019, 13, 787.	1.4	122
1079	Modeling fMRI BOLD signals and temporal mismatches in the cerebellar cortex. CSI Transactions on ICT, 2019, 7, 191-198.	0.7	0
1080	fMRI in Non-human Primate: A Review on Factors That Can Affect Interpretation and Dynamic Causal Modeling Application. Frontiers in Neuroscience, 2019, 13, 973.	1.4	4
1081	A neural-vascular complex of age-related changes in the human brain: Anatomy, physiology, and implications for neurocognitive aging. Neuroscience and Biobehavioral Reviews, 2019, 107, 927-944.	2.9	33
1082	Coupling between cerebral blood flow and cerebral blood volume: Contributions of different vascular compartments. NMR in Biomedicine, 2019, 32, e4061.	1.6	15
1083	Functional Source Separation for EEG-fMRI Fusion: Application to Steady-State Visual Evoked Potentials. Frontiers in Neurorobotics, 2019, 13, 24.	1.6	11
1084	Advances in techniques for imposing reciprocity in brain-behavior relations. Neuroscience and Biobehavioral Reviews, 2019, 102, 327-336.	2.9	25
1085	A guide to group effective connectivity analysis, part 1: First level analysis with DCM for fMRI. NeuroImage, 2019, 200, 174-190.	2.1	242
1086	Increasing robustness of pairwise methods for effective connectivity in magnetic resonance imaging by using fractional moment series of BOLD signal distributions. Network Neuroscience, 2019, 3, 1009-1037.	1.4	5
1087	Brain energetics plays a key role in the coordination of electrophysiology, metabolism and hemodynamics: Evidence from an integrated computational model. Journal of Theoretical Biology, 2019, 478, 26-39.	0.8	5
1088	Threeâ€Ðimensional Lesion Phenotyping and Physiologic Characterization Inform Remyelination Ability in Multiple Sclerosis. Journal of Neuroimaging, 2019, 29, 605-614.	1.0	10
1089	The role of the precuneus and posterior cingulate cortex in the neural routes to action. Computer Assisted Surgery, 2019, , 1-8.	0.6	1
1090	Causal Discovery with Attention-Based Convolutional Neural Networks. Machine Learning and Knowledge Extraction, 2019, 1, 312-340.	3.2	98
1091	Time-delay model of perceptual decision making in cortical networks. PLoS ONE, 2019, 14, e0211885.	1.1	10
1092	Cerebral tissue pO2 response to stimulation is preserved with age in awake mice. Neuroscience Letters, 2019, 699, 160-166.	1.0	11
1093	Development of Low-Cost Fast Photoacoustic Computed Tomography: System Characterization and Phantom Study. Applied Sciences (Switzerland), 2019, 9, 374.	1.3	46
1094	A Functional Data Method for Causal Dynamic Network Modeling of Task-Related fMRI. Frontiers in Neuroscience, 2019, 13, 127.	1.4	9
1095	A Bayesian Model for Activation and Connectivity in Task-related fMRI Data. Advances in Econometrics, 2019, , 91-132.	0.2	2

#	Article	IF	Citations
1096	Dynamics of Muslim consumers' behavior toward Halal products. International Journal of Emerging Markets, 2019, 14, 689-708.	1.3	18
1097	Software Fault Prediction Based on Fault Probability and Impact. , 2019, , .		3
1098	Passive Oppositional Differential Evolution for Global Optimization. , 2019, , .		0
1099	Intelligent Diagnostic System of KAMAZ Robotic Vehicle Units. , 2019, , .		1
1100	SDN-Capable IoT Last-Miles: Design Challenges. , 2019, , .		3
1101	Variation-Aware Small Delay Fault Diagnosis on Compressed Test Responses. , 2019, , .		9
1102	Modelling of Synchronous Generator for Transient Stability in Power System. , 2019, , .		1
1103	Multiband Fractal Metasurface with Linear to Linear and Linear to Circular Polarization Conversion. , 2019, , .		1
1104	An RTL ATPG Flow Using the Gate Inherent Fault (GIF) Model Applied on Non-, Standard- and Random-Access-Scan (RAS). , 2019, , .		0
1105	Bidirectional Dual-active DC-DC Converter Based on Traction Auxiliary Power Supply System. , 2019, , .		2
1106	Optimal Multi-Agent Persistent Monitoring of the Uncertain State of a Finite Set of Targets. , 2019, , .		8
1107	Triple-Band Microstrip Patch Antenna Made of Artificial Magnetic Conductors. , 2019, , .		8
1109	Secured CBIR with Anonimity Preserving for Images and Users in Cloud Environment. , 2019, , .		0
1110	A Statistical approach to evaluate the efficiency and effectiveness of the Machine Learning algorithms analyzing Sentiments. , 2019, , .		2
1111	State Evaluation of Vacuum Circuit Breaker Based on Multi-sensor Fusion. , 2019, , .		3
1112	Deep Imputation of Temporal Data. , 2019, , .		4
1113	Investigating Time-Varying Brain Connectivity with Functional Magnetic Resonance Imaging using Sequential Monte Carlo. , 2019, , .		2
1114	Acoustic Pornography Recognition Using Recurrent Neural Network. , 2019, , .		7

#	Article	IF	CITATIONS
1115	Design of a Miniature Fiber Optic Sensor to Measure Axial Force at the Tip of a Robotic Flexible Ureteroscope. , 2019, , .		1
1116	Research on SOC Estimation of Lithium Battery Based on Robust Extended Kalman Filter. , 2019, , .		2
1117	Brain moderators supporting the relationship between depressive mood and pain. Pain, 2019, 160, 2028-2035.	2.0	13
1118	Computational singular perturbation analysis of brain lactate metabolism. PLoS ONE, 2019, 14, e0226094.	1.1	13
1119	Can Cerebral Near-infrared Spectroscopy Predict Cerebral Ischemic Events in Neurosurgical Patients? A Narrative Review of the Literature. Journal of Neurosurgical Anesthesiology, 2019, 31, 378-384.	0.6	8
1120	Breath hold effect on cardiovascular brain pulsations – A multimodal magnetic resonance encephalography study. Journal of Cerebral Blood Flow and Metabolism, 2019, 39, 2471-2485.	2.4	28
1121	The role of the precuneus and posterior cingulate cortex in the neural routes to action. Computer Assisted Surgery, 2019, 24, 113-120.	0.6	10
1122	Whole brain measurements of the positive BOLD response variability during a finger tapping task at 7 T show regional differences in its profiles. Magnetic Resonance in Medicine, 2019, 81, 2720-2727.	1.9	12
1123	Estimating hemodynamic stimulus and blood vessel compliance from cerebral blood flow data. Journal of Theoretical Biology, 2019, 460, 243-261.	0.8	3
1124	Cerebral blood volume changes during the BOLD post-stimulus undershoot measured with a combined normoxia/hyperoxia method. NeuroImage, 2019, 185, 154-163.	2.1	11
1125	Computation and management of weighted activation vectors in support to fMRI analysis of clinical subjects. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2019, 7, 563-582.	1.3	1
1126	Improvement in Recovery of Hemodynamic Responses by Extended Kalman Filter With Non-Linear State-Space Model and Short Separation Measurement. IEEE Transactions on Biomedical Engineering, 2019, 66, 2152-2162.	2.5	7
1127	On the pros and cons of using temporal derivatives to assess brain functional connectivity. NeuroImage, 2019, 184, 577-585.	2.1	6
1128	Robust Recovery of Temporal Overlap Between Network Activity Using Transient-Informed Spatio-Temporal Regression. IEEE Transactions on Medical Imaging, 2019, 38, 291-302.	5.4	30
1129	BOLD signal physiology: Models and applications. NeuroImage, 2019, 187, 116-127.	2.1	62
1130	MRI techniques to measure arterial and venous cerebral blood volume. NeuroImage, 2019, 187, 17-31.	2.1	75
1131	Multiparametric measurement of cerebral physiology using calibrated fMRI. NeuroImage, 2019, 187, 128-144.	2.1	22
1132	High spatial resolution BOLD fMRI using simultaneous multislice excitation with echo-shifting gradient echo at 7†Tesla. Magnetic Resonance Imaging, 2020, 66, 86-92.	1.0	5

#	Article	IF	CITATIONS
1133	Metabolite concentration changes associated with positive and negative BOLD responses in the human visual cortex: A functional MRS study at 7 Tesla. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 488-500.	2.4	40
1134	More than BOLD: Dualâ€spin populations create functional contrast. Magnetic Resonance in Medicine, 2020, 83, 681-694.	1.9	1
1135	State Estimation of Hemodynamic Model for fMRI Under Confounds: SSM Method. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 804-814.	3.9	1
1136	High spatiotemporal vessel-specific hemodynamic mapping with multi-echo single-vessel fMRI. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 2098-2114.	2.4	9
1137	The effects of exercise on mood and prefrontal brain responses to emotional scenes in smokers. Physiology and Behavior, 2020, 213, 112721.	1.0	8
1138	A Newcomer's Guide to Functional Near Infrared Spectroscopy Experiments. IEEE Reviews in Biomedical Engineering, 2020, 13, 292-308.	13.1	33
1139	A dynamical model of the laminar BOLD response. NeuroImage, 2020, 204, 116209.	2.1	78
1140	Sparse DCM for whole-brain effective connectivity from resting-state fMRI data. NeuroImage, 2020, 208, 116367.	2.1	35
1141	Task-evoked activity quenches neural correlations and variability across cortical areas. PLoS Computational Biology, 2020, 16, e1007983.	1.5	62
1142	Differential Covariance: A New Method to Estimate Functional Connectivity in fMRI. Neural Computation, 2020, 32, 2389-2421.	1.3	4
1143	A Bayesian method for inference of effective connectivity in brain networks for detecting the Mozart effect. Computers in Biology and Medicine, 2020, 127, 104055.	3.9	5
1144	Physiological Gaussian process priors for the hemodynamics in fMRI analysis. Journal of Neuroscience Methods, 2020, 342, 108778.	1.3	5
1145	FMRI hemodynamic response function (HRF) as a novel marker of brain function: applications for understanding obsessive-compulsive disorder pathology and treatment response. Brain Imaging and Behavior, 2021, 15, 1622-1640.	1.1	20
1146	Age-related prefrontal cortex activation in associative memory: An fNIRS pilot study. NeuroImage, 2020, 222, 117223.	2.1	7
1147	The effects of Alzheimer's disease related striatal pathologic changes on the fractional amplitude of low-frequency fluctuations. Computer Methods in Biomechanics and Biomedical Engineering, 2020, 23, 1347-1359.	0.9	1
1148	The neurophysiological architecture of semantic dementia: spectral dynamic causal modelling of a neurodegenerative proteinopathy. Scientific Reports, 2020, 10, 16321.	1.6	16
1149	Structural determinants of dynamic fluctuations between segregation and integration on the human connectome. Communications Biology, 2020, 3, 606.	2.0	18
1151	Changes in Hemodynamic Response Function Resulting From Chronic Alcohol Consumption. Alcoholism: Clinical and Experimental Research, 2020, 44, 1099-1111.	1.4	4

#	Article	IF	CITATIONS
1152	Concurrent electrophysiological and hemodynamic measurements of evoked neural oscillations in human visual cortex using sparsely interleaved fast fMRI and EEG. NeuroImage, 2020, 217, 116910.	2.1	2
1153	Overcoming Status Quo Bias for Resilient Stormwater Infrastructure: Empirical Evidence in Neurocognition and Decision-Making. Journal of Management in Engineering - ASCE, 2020, 36, 04020017.	2.6	16
1154	Hemodynamic latency is associated with reduced intelligence across the lifespan: an fMRI DCM study of aging, cerebrovascular integrity, and cognitive ability. Brain Structure and Function, 2020, 225, 1705-1717.	1.2	6
1155	BOLD signal within and around white matter lesions distinguishes multiple sclerosis and non-specific white matter disease: a three-dimensional approach. Journal of Neurology, 2020, 267, 2888-2896.	1.8	8
1156	Long-Term Neuroanatomical Consequences of Childhood Maltreatment: Reduced Amygdala Inhibition by Medial Prefrontal Cortex. Frontiers in Systems Neuroscience, 2020, 14, 28.	1.2	14
1157	Monitoring of Stimulus Evoked Murine Somatosensory Cortex Hemodynamic Activity With Volumetric Multi-Spectral Optoacoustic Tomography. Frontiers in Neuroscience, 2020, 14, 536.	1.4	12
1158	The role of diffusion tractography in refining glial tumor resection. Brain Structure and Function, 2020, 225, 1413-1436.	1.2	30
1159	Comparing dynamic causal models of neurovascular coupling with fMRI and EEG/MEG. NeuroImage, 2020, 216, 116734.	2.1	31
1160	Self-Attentive Generative Adversarial Network for Cloud Detection in High Resolution Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1792-1796.	1.4	23
1161	A Design Method of PCB Rogowski Coil in Limited Space and Modified Integral Circuit. IEEE Sensors Journal, 2020, 20, 5801-5808.	2.4	10
1162	Lower Small-Worldness of Intrinsic Brain Networks Facilitates the Cognitive Protection of Intellectual Engagement in Elderly People Without Dementia: A Near-Infrared Spectroscopy Study. American Journal of Geriatric Psychiatry, 2020, 28, 722-731.	0.6	7
1163	Analysis of continuous infusion functional PET (fPET) in the human brain. NeuroImage, 2020, 213, 116720.	2.1	20
1164	Predicting individual clinical trajectories of depression with generative embedding. NeuroImage: Clinical, 2020, 26, 102213.	1.4	33
1165	Extensions of Multivariate Dynamical Systems to Simultaneously Explain Neural and Behavioral Data. Computational Brain & Behavior, 2020, 3, 430-457.	0.9	1
1166	Imaging brain function with simultaneous BOLD and viscoelasticity contrast: fMRI/fMRE. NeuroImage, 2020, 211, 116592.	2.1	13
1167	Data-Driven Analysis of Radiologists' Behavior for Diagnosing Thyroid Nodules. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 3111-3123.	3.9	9
1168	Radio Frequency Coil for Dual-Nuclei MR Muscle Energetics Investigation Based on Two Capacitively Coupled Periodic Wire Arrays. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 721-725.	2.4	3
1169	Enabling the Smart and Flexible Management of Energy Prosumers via the Energy Router With Parallel Operation Mode. IEEE Access, 2020, 8, 35038-35047.	2.6	28

#	Article	IF	CITATIONS
1170	AC Loss Calculation on a 6.5 MVA/25 kV HTS Traction Transformer With Hybrid Winding Structure. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.1	11
1171	Wildfire Fighting by Unmanned Aerial System Exploiting Its Time-Varying Mass. IEEE Robotics and Automation Letters, 2020, 5, 2674-2681.	3.3	30
1172	Current Challenges in Translational and Clinical fMRI and Future Directions. Frontiers in Psychiatry, 2019, 10, 924.	1.3	64
1173	Space: A Missing Piece of the Dynamic Puzzle. Trends in Cognitive Sciences, 2020, 24, 135-149.	4.0	49
1174	Learning Local Quality-Aware Structures of Salient Regions for Stereoscopic Images via Deep Neural Networks. IEEE Transactions on Multimedia, 2020, 22, 2938-2949.	5.2	13
1175	Quantitative theory for the transverse relaxation time of blood water. NMR in Biomedicine, 2020, 33, e4207.	1.6	31
1176	Linear systems analysis for laminar fMRI: Evaluating BOLD amplitude scaling for luminance contrast manipulations. Scientific Reports, 2020, 10, 5462.	1.6	19
1177	Modeling the impact of neurovascular coupling impairments on BOLD-based functional connectivity at rest. NeuroImage, 2020, 218, 116871.	2.1	15
1178	The Basics of Metal Thermal Interface Materials (TIMs). , 2020, , .		1
1179	A quantitative analysis of cell-specific contributions and the role of anesthetics to the neurovascular coupling. Neurolmage, 2020, 215, 116827.	2.1	7
1180	A system identification analysis of optogenetically evoked electrocorticography and cerebral blood flow responses. Journal of Neural Engineering, 2020, 17, 056049.	1.8	3
1181	A Linear Position Measurement Scheme for Long-Distance and High-Speed Applications. IEEE Transactions on Industrial Electronics, 2021, 68, 4435-4447.	5.2	18
1182	A Mobile Telematics Pattern Recognition Framework for Driving Behavior Extraction. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 1459-1472.	4.7	30
1183	Identifying the influence of the Halal logo on Muslim consumers' attitudes using fMRI technology. Journal of Islamic Marketing, 2021, 12, 1159-1179.	2.3	7
1184	Perceptual learning of tone patterns changes the effective connectivity between Heschl's gyrus and planum temporale. Human Brain Mapping, 2021, 42, 941-952.	1.9	18
1185	Estimation of simultaneous BOLD and dynamic FDG metabolic brain activations using a multimodality concatenated ICA (mcICA) method. NeuroImage, 2021, 226, 117603.	2.1	4
1186	Wholeâ€brain computational modeling reveals disruption of microscale brain dynamics in <scp>HIV</scp> infected individuals. Human Brain Mapping, 2021, 42, 95-109.	1.9	5
1189	Constructing Brain Connectivity Model Using Causal Network Reconstruction Approach. Frontiers in Neuroinformatics, 2021, 15, 619557.	1.3	8

#	Article	IF	CITATIONS
1191	Detecting Brain Activations in Functional Magnetic Resonance Imaging (fMRI) Experiments with a Maximum Cross-Correlation Statistic. Journal of Data Science, 2012, 10, 403-418.	0.5	1
1194	Contrasting Measures of Cerebrovascular Reactivity Between MRI and Doppler: A Cross-Sectional Study of Younger and Older Healthy Individuals. Frontiers in Physiology, 2021, 12, 656746.	1.3	16
1195	Assessing the effective connectivity of premotor areas during real vs imagined grasping: a DCM-PEB approach. NeuroImage, 2021, 230, 117806.	2.1	23
1196	Rethinking the Conditions and Mechanism for Glymphatic Clearance. Frontiers in Neuroscience, 2021, 15, 624690.	1.4	14
1198	Inverse correlation of fluctuations of cerebral blood and water concentrations in humans. European Physical Journal Plus, 2021, 136, 1.	1.2	6
1199	Functional annotation of human cognitive states using deep graph convolution. NeuroImage, 2021, 231, 117847.	2.1	40
1203	Havacılık Nöroergonomisinde Optik Beyin Görüntüleme Uygulamaları. European Journal of Science a Technology, 0, , .	and 0.5	0
1204	Characterizing Network Search Algorithms Developed for Dynamic Causal Modeling. Frontiers in Neuroinformatics, 2021, 15, 656486.	1.3	1
1207	lliski, a software for robust calculation of transfer functions. PLoS Computational Biology, 2021, 17, e1008614.	1.5	2
1209	Quantitative relations between BOLD responses, cortical energetics and impulse firing across cortical depth. European Journal of Neuroscience, 2021, 54, 4230-4245.	1.2	0
1210	TAPAS: An Open-Source Software Package for Translational Neuromodeling and Computational Psychiatry. Frontiers in Psychiatry, 2021, 12, 680811.	1.3	69
1211	Analysis of the human connectome data supports the notion of a "Common Model of Cognition―for human and human-like intelligence across domains. NeuroImage, 2021, 235, 118035.	2.1	14
1212	"l Spy with my Little Eye, Something that is a Face…― A Brain Network for Illusory Face Detection. Cerebral Cortex, 2021, 32, 137-157.	1.6	6
1214	Computational exploration of dynamic mechanisms of steady state visual evoked potentials at the whole brain level. NeuroImage, 2021, 237, 118166.	2.1	15
1215	Voxel-Wise Linearity Analysis of Increments and Decrements in BOLD Responses in Human Visual Cortex Using a Contrast Adaptation Paradigm. Frontiers in Human Neuroscience, 2021, 15, 541314.	1.0	0
1216	Early motor network connectivity after stroke: An interplay of general reorganization and stateâ€specific compensation. Human Brain Mapping, 2021, 42, 5230-5243.	1.9	20
1217	Measuring neuronal activity with diffuse correlation spectroscopy: a theoretical investigation. Neurophotonics, 2021, 8, 035004.	1.7	11
1218	Deep learning multimodal fNIRS and EEG signals for bimanual grip force decoding. Journal of Neural Engineering, 2021, 18, 0460e6.	1.8	12

#	Article	IF	CITATIONS
1219	Mood disorders disrupt the functional dynamics, not spatial organization of brain resting state networks. NeuroImage: Clinical, 2021, 32, 102833.	1.4	23
1220	Modeling brain connectivity dynamics in functional magnetic resonance imaging via particle filtering. Brain Informatics, 2021, 8, 19.	1.8	1
1221	Effective connectivity decreases in specific brain networks with postparalysis facial synkinesis: a dynamic causal modeling study. Brain Imaging and Behavior, 2022, 16, 748-760.	1.1	3
1223	Imaging faster neural dynamics with fast fMRI: A need for updated models of the hemodynamic response. Progress in Neurobiology, 2021, 207, 102174.	2.8	49
1224	A Functional BCI Model by the P2731 working group: Physiology. Brain-Computer Interfaces, 2021, 8, 54-81.	0.9	1
1225	Frontotemporal activation differs between perception of simulated cochlear implant speech and speech in background noise: An image-based fNIRS study. NeuroImage, 2021, 240, 118385.	2.1	10
1226	Physiological noise modeling in fMRI based on the pulsatile component of photoplethysmograph. Neurolmage, 2021, 242, 118467.	2.1	12
1227	rsHRF: A toolbox for resting-state HRF estimation and deconvolution. NeuroImage, 2021, 244, 118591.	2.1	42
1228	Revisiting the effective connectivity within the distributed cortical network for face perception. NeuroImage Reports, 2021, 1, 100045.	0.5	7
1229	Predicting neuronal response properties from hemodynamic responses in the auditory cortex. NeuroImage, 2021, 244, 118575.	2.1	4
1234	Particle Filtering for Nonlinear BOLD Signal Analysis. Lecture Notes in Computer Science, 2006, 9, 292-299.	1.0	10
1235	Functional MRI. , 2005, , 93-110.		2
1236	Principles of BOLD Functional MRI. , 2011, , 293-303.		5
1238	Oscillations in Cerebral Haemodynamics. Advances in Experimental Medicine and Biology, 1999, , 57-65.	0.8	93
1239	Physiology and Physics of the fMRI Signal. Biological Magnetic Resonance, 2015, , 163-213.	0.4	5
1240	Regional Cerebrovascular Responses to Hypercapnia and Hypoxia. Advances in Experimental Medicine and Biology, 2016, 903, 157-167.	0.8	13
1241	Imaging Vasodynamics in the Awake Mouse Brain with Two-Photon Microscopy. Neuromethods, 2014, , 55-73.	0.2	8
1242	Two-Photon Microscopy to Measure Blood Flow and Concurrent Brain Cell Activity. Neuromethods, 2014, , 273-290.	0.2	1

		CITATION RE	PORT	
#	Article		IF	CITATIONS
1243	Localization of Brain Activity using Functional Magnetic Resonance Imaging. , 2007, , 9	-51.		6
1244	Models of Effective Connectivity in Neural Systems. Understanding Complex Systems,	2007, , 303-327.	0.3	12
1245	Nonlinear Analysis of BOLD Signal: Biophysical Modeling, Physiological States, and Fun- Activation. , 2007, 10, 734-741.	ctional		7
1246	Magnetic Resonance Imaging of Human Brain Function. , 1999, , 1055-1082.			2
1247	Physiological Changes During Brain Activation. Medical Radiology, 2000, , 3-13.		0.0	6
1248	Principles of BOLD Functional MRI. Medical Radiology, 2000, , 103-113.		0.0	18
1249	Basic Theoretical Models of BOLD Signal Change. Medical Radiology, 2000, , 115-123.		0.0	6
1250	The Temporal Resolution of Functional MRI. Medical Radiology, 2000, , 205-220.		0.0	8
1251	Mapping of the Neuronal Networks of Human Cortical Brain Functions. Advances and T Standards in Neurosurgery, 2003, 28, 91-142.	echnical	0.2	21
1252	Clinical Systems Neuroscience. , 2015, , 89-114.			1
1253	Two-Photon Imaging of Cerebral Vasodynamics in Awake Mice During Health and Disea	ise. , 2014, , 25-43.		3
1254	Functional Magnetic Resonance Imaging (fMRI). , 2014, , 69-80.			3
1255	Detecting Language Activations with Functional Magnetic Resonance Imaging. , 2004,	, 583-596.		2
1256	Classical and Bayesian Inference. , 2004, , 911-968.			3
1257	Dynamic Causal Modelling. , 2004, , 1063-1090.			8
1258	<i>Selection of the optimal pulse sequence for functional MRI</i> ., 2001, , 123-145.			6
1259	Effective paradigm design. , 2001, , 178-197.			28
1260	Clinical applications of mapping neurocognitive processes in the human brain with fund 2001, , 330-351.	ctional MRI. ,		3

#	Article	IF	Citations
1261	3.9 Analyzing Functional and Effective Connectivity with fMRI. , 2010, , 251-268.		2
1262	A Model of the Dynamic Relationship between Blood Flow and Volume Changes during Brain Activation. , 0, .		9
1263	Advances in functional imaging of the human cerebellum. Current Opinion in Neurology, 2010, 23, 382-387.	1.8	69
1264	Separating vascular and neuronal effects of age on fMRI BOLD signals. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20190631.	1.8	77
1276	The Nonlinear Theory of Schizophrenia. , 0, .		7
1277	Alterations in neurovascular coupling following acute traumatic brain injury. Neurophotonics, 2017, 4, 1.	1.7	22
1278	FNIRS activity in the prefrontal cortex and motivational intensity: impact of working memory load, financial reward, and correlation-based signal improvement. Neurophotonics, 2018, 5, 1.	1.7	23
1279	Population spatial frequency tuning in human early visual cortex. Journal of Neurophysiology, 2020, 123, 773-785.	0.9	29
1280	A validation of event-related FMRI comparisons between users of cocaine, nicotine, or cannabis and control subjects. American Journal of Psychiatry, 2006, 163, 1245-51.	4.0	19
1281	Bayesian Estimation of Conditional Independence Graphs Improves Functional Connectivity Estimates. PLoS Computational Biology, 2015, 11, e1004534.	1.5	14
1282	Mechanistic Mathematical Modeling Tests Hypotheses of the Neurovascular Coupling in fMRI. PLoS Computational Biology, 2016, 12, e1004971.	1.5	15
1283	Exploiting Magnetic Resonance Angiography Imaging Improves Model Estimation of BOLD Signal. PLoS ONE, 2012, 7, e31612.	1.1	8
1284	Cyclic Alternating Pattern Is Associated with Cerebral Hemodynamic Variation: A Near-Infrared Spectroscopy Study of Sleep in Healthy Humans. PLoS ONE, 2012, 7, e46899.	1.1	10
1285	Therapeutic Subthalamic Nucleus Deep Brain Stimulation Reverses Cortico-Thalamic Coupling during Voluntary Movements in Parkinson's Disease. PLoS ONE, 2012, 7, e50270.	1.1	66
1286	Separation of fNIRS Signals into Functional and Systemic Components Based on Differences in Hemodynamic Modalities. PLoS ONE, 2012, 7, e50271.	1.1	146
1287	A New Functional MRI Approach for Investigating Modulations of Brain Oxygen Metabolism. PLoS ONE, 2013, 8, e68122.	1.1	27
1288	The Effect of Ageing on Ocular Blood Flow, Oxygen Tension and Retinal Function during and after Intraocular Pressure Elevation. PLoS ONE, 2014, 9, e98393.	1.1	20
1289	A Review of fMRI Simulation Studies. PLoS ONE, 2014, 9, e101953.	1.1	38

#	Article	IF	CITATIONS
1290	Dynamic Adjustment of Stimuli in Real Time Functional Magnetic Resonance Imaging. PLoS ONE, 2015, 10, e0117942.	1.1	6
1291	Simultaneous Imaging of CBF Change and BOLD with Saturation-Recovery-T1 Method. PLoS ONE, 2015, 10, e0122563.	1.1	3
1292	Cortical Network Models of Firing Rates in the Resting and Active States Predict BOLD Responses. PLoS ONE, 2015, 10, e0144796.	1.1	4
1293	Reproducing the Hemoglobin Saturation Profile, a Marker of the Blood Oxygenation Level Dependent (BOLD) fMRI Effect, at the Microscopic Level. PLoS ONE, 2016, 11, e0149935.	1.1	3
1294	Brain functional BOLD perturbation modelling for forward fMRI and inverse mapping. PLoS ONE, 2018, 13, e0191266.	1.1	13
1295	Valence-Dependent Coupling of Prefrontal-Amygdala Effective Connectivity during Facial Affect Processing. ENeuro, 2019, 6, ENEURO.0079-19.2019.	0.9	23
1296	Large-Scale Network Coupling with the Fusiform Cortex Facilitates Future Social Motivation. ENeuro, 2017, 4, ENEURO.0084-17.2017.	0.9	18
1297	FIAR : An <i>R</i> Package for Analyzing Functional Integration in the Brain. Journal of Statistical Software, 2011, 44, .	1.8	11
1298	Imaging of Conductivity Changes of Excitable Tissues Based on Focused Passive Microwave. Open Biomedical Engineering Journal, 2015, 9, 138-145.	0.7	2
1299	Measurements and Modeling of Transient Blood Flow Perturbations Induced by Brief Somatosensory Stimulation. Open Neuroimaging Journal, 2011, 5, 96-104.	0.2	6
1300	Signal Informatics as an Advanced Integrative Concept in the Framework of Medical Informatics. Methods of Information in Medicine, 2009, 48, 18-28.	0.7	13
1301	Dynamic Causal Models and Autopoietic Systems. Biological Research, 2007, 40, .	1.5	10
1302	Efficient hemodynamic states stimulation using fNIRS data with the extended Kalman filter and bifurcation analysis of balloon model. Journal of Biomedical Science and Engineering, 2012, 05, 609-628.	0.2	4
1303	Detecting the Stable, Observable and Controllable States of the Human Brain Dynamics. Open Journal of Medical Imaging, 2012, 02, 128-136.	0.1	6
1305	Bayesian Treatments of Neuroimaging Data. , 2006, , 92-111.		2
1306	Using an achiasmic human visual system to quantify the relationship between the fMRI BOLD signal and neural response. ELife, 2015, 4, .	2.8	17
1307	Regulation of cerebral blood flow during stimulus-induced brain activation: Instructions for the correct interpretation of fNIRS signals. The Journal of Physical Fitness and Sports Medicine, 2014, 3, 91-100.	0.2	2
1308	Translating the hemodynamic response: why focused interdisciplinary integration should matter for the future of functional neuroimaging. PeerJ, 2019, 7, e6621.	0.9	7

#	Article	IF	CITATIONS
1309	Identification of Negative BOLD Responses in Epilepsy Using Windkessel Models. Frontiers in Neurology, 2021, 12, 659081.	1.1	2
1310	Contribution of animal models toward understanding resting state functional connectivity. NeuroImage, 2021, 245, 118630.	2.1	27
1311	Dynamic Causal Modeling of the Prefrontal/Amygdala Network During Processing of Emotional Faces. Brain Connectivity, 2022, 12, 670-682.	0.8	7
1312	Investigating mechanisms of fast BOLD responses: The effects of stimulus intensity and of spatial heterogeneity of hemodynamics. NeuroImage, 2021, 245, 118658.	2.1	13
1313	The Post-Stimulus Undershoot of the Functional MRI Signal. Medical Radiology, 2000, , 253-262.	0.0	0
1314	Methods of cerebral blood flow measurements. , 2002, , 1-11.		0
1315	Modeling of the Hemodynamic Response Function for Event Related Motor and Visual Stimuli as Measured by Near Infrared Spectroscopy. , 2002, , .		0
1316	Concurrent optical imaging spectroscopy, laser Doppler flowmetry and magnetic resonance imaging in the investigation of the relative intra and extra vascular contributions to the BOLD signal. , 2004, , .		0
1317	Calculation of task-evoked changes in the cerebral metabolic rate of oxygen consumption from simultaneous ASL-BOLD fMRI and Diffuse Optical Imaging. , 2004, , .		0
1318	Haemodynamic Modelling. , 2004, , 823-841.		0
1319	Estimation of the temporal features of CMRO2 changes from CBF and bold fMRI data. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S411-S411.	2.4	0
1320	Calculations of BOLD signals by use of NIRS photon migration hitting density functions. , 2006, , .		0
1321	Estimating CMRO2 with multi-modality imaging using a multi-compartment vascular model. , 2006, , .		0
1322	BOLD Dynamic Model of Functional MRI. Lecture Notes in Computer Science, 2007, , 324-329.	1.0	0
1323	Modeling Adaptation Effects in fMRI Analysis. Lecture Notes in Computer Science, 2009, 12, 1009-1017.	1.0	2
1324	Two-Photon Laser Scanning Microscopy as a Tool to Study Cortical Vasodynamics Under Normal and Ischemic Conditions. , 2009, , 245-261.		0
1325	The Influence of Astrocyte Activation on Hemodynamic Signals for Functional Brain Imaging. , 2009, , 45-64.		1
1326	Modeling of Circuits within Networks by fMRI. Wireless Sensor Network, 2010, 02, 208-217.	0.3	Ο

#	Article	IF	Citations
1327	Detrend-Free Hemodynamic Data Assimilation of Two-Stage Kalman Estimator. Lecture Notes in Computer Science, 2011, 14, 242-250.	1.0	0
1328	Functional magnetic resonance imaging. BMJ, The, 0, , d1621.	3.0	0
1331	Functional and Structural MRI: Theoretical Background and Practical Aspects. , 2012, , 269-317.		0
1332	Intraoperative Human Functional Brain Mapping Using Optical Intrinsic Signal Imaging. , 0, , .		0
1335	Dynamic Causal Modeling with Neural Population Models. , 2013, , 1-4.		0
1336	Diffuse Optical Tomography and Biophysical Modeling of the Aging Brain. IFMBE Proceedings, 2013, , 250-253.	0.2	0
1337	Imaging Analysis, Bayesian. , 2014, , 1-4.		0
1338	Simultaneous Functional Magnetic Resonance and Two-Dimensional Optical Imaging Spectroscopy. Neuromethods, 2014, , 3-20.	0.2	0
1339	Image Contrast and Resolution in MRI. , 2014, , 21-36.		0
1340	Structural and Functional Magnetic Resonance Imaging. , 2014, , 1-12.		0
1341	Physiological Mechanism of Increase in Deoxy-hemoglobin Concentration During Neuronal Activation in Patients with Cerebral Ischemia: A Simulation Study with the Balloon Model. Advances in Experimental Medicine and Biology, 2014, 812, 225-231.	0.8	0
1342	Functional Magnetic Resonance Imaging in Mild Traumatic Brain Injury. , 2014, , 249-270.		1
1343	Linear and Nonlinear Models of BOLD Signals Scanned by fMRI. The Brain & Neural Networks, 2014, 21, 87-92.	0.1	0
1344	Dynamic Causal Modeling with Neural Population Models. , 2014, , 1-4.		0
1345	Physiologically Informed Bayesian Analysis of ASL fMRI Data. Lecture Notes in Computer Science, 2014, , 37-48.	1.0	8
1346	Principles of BOLD Functional MRI. , 2015, , 3-16.		0
1347	Estimating Biophysical Parameters from BOLD Signals through Evolutionary-Based Optimization. Lecture Notes in Computer Science, 2015, , 528-535.	1.0	3
1348	Alternative Methods for fMRI. Biological Magnetic Resonance, 2015, , 271-309.	0.4	0

#	Article	IF	CITATIONS
1349	Quantitative fMRI. Biological Magnetic Resonance, 2015, , 215-243.	0.4	1
1350	Imaging Analysis, Bayesian. , 2015, , 1419-1422.		0
1360	Rapid Detection and Monitoring of Brain Injury Using Sensory-Evoked Responses. Neuromethods, 2018, , 243-256.	0.2	0
1365	Brain Energy Metabolism. , 2019, , 1-19.		2
1368	Mental iş yükü ve uyanık olma durumunda kullanılan nöroergonomik yöntemler. Cukurova Medical Journal, 2018, 43, 295-300.	0.1	0
1369	Functional Magnetic Resonance Imaging of Eye Movements: Introduction to Methods and Basic Phenomena. Studies in Neuroscience, Psychology and Behavioral Economics, 2019, , 503-548.	0.1	0
1370	Discriminative Analysis of Nonlinear Functional Connectivity in Schizophrenia. , 2019, , 35-54.		0
1374	Bayesian Image Analysis in Fourier Space Using Data-Driven Priors (DD-BIFS). Communications in Computer and Information Science, 2020, , 380-390.	0.4	0
1375	Data Analysis Method for Neuroimaging Data: Task-Related Component Analysis and Its Applications to fNIRS Data. Brain Informatics and Health, 2020, , 149-173.	0.1	0
1377	Effective connectivity differences in motor network during passive movement of paretic and non-paretic ankles in subacute stroke patients. PeerJ, 2020, 8, e8942.	0.9	1
1381	Dynamic microcirculation PIPE model for functional neuroimaging, non-neuroimaging, and coherent hemodynamics spectroscopy: blood volume and flow velocity variations, and vascular autoregulation. Biomedical Optics Express, 2020, 11, 4602.	1.5	1
1382	Functional Magnetic Resonance Imaging. , 2020, , 263-283.		0
1385	Functional Magnetic Resonance Imaging. , 2020, , 331-348.		0
1388	What can be Observed from Functional Neuroimaging?. , 2007, , 313-333.		0
1389	Spectral Analysis of fMRI Signal and Noise. , 2008, , 63-76.		3
1390	Functional MRI Studies of Eyeblink Classical Conditioning. , 2002, , 71-93.		3
1392	Overcoming Status Quo Bias through Green Infrastructure Resolutions: Neuro-Cognitive Evidence of Changes in Risk Perceptions. , 2020, , .		0
1393	Functional magnetic resonance imaging. Journal of Neurology, Neurosurgery and Psychiatry, 2004, 75, 6-12.	0.9	93

		CITATION REPORT		
#	Article		IF	Citations
1395	Dynamic causal models and autopoietic systems. Biological Research, 2007, 40, 487-50	02.	1.5	6
1399	PARTICLE FILTERING WITH SEQUENTIAL PARAMETER LEARNING FOR NONLINEAR BOLD Advances and Applications in Statistics, 2014, 40, 61-74.) fMRI SIGNALS.	0.0	0
1400	Pairwise Likelihood Ratios for Estimation of Non-Gaussian Structural Equation Models. Machine Learning Research, 2013, 14, 111-152.	Journal of	62.4	76
1401	Hemodynamic response changes in cerebrovascular disease: implications for functiona American Journal of Neuroradiology, 2002, 23, 1222-8.	l MR imaging.	1.2	85
1402	Early soft and flexible fusion of electroencephalography and functional magnetic reson via double coupled matrix tensor factorization for multisubject group analysis. Human 2022, 43, 1231-1255.	ance imaging Brain Mapping,	1.9	11
1404	Simultaneous EEG-fMRI in Epilepsy. Medical Radiology, 2022, , 217-247.		0.0	0
1405	Revealing Brain Activity and White Matter Structure Using Functional and Diffusion-W Magnetic Resonance Imaging. Medical Radiology, 2022, , 21-83.	eighted	0.0	0
1406	Functional MRI principles and acquisition strategies. Advances in Magnetic Resonance Applications, 2021, 4, 231-245.	Technology and	0.0	0
1407	Autonomic arousals contribute to brain fluid pulsations during sleep. NeuroImage, 202	2, 249, 118888.	2.1	27
1408	Coordinated multivoxel coding beyond univariate effects is not likely to be observable NeuroImage, 2022, 247, 118825.	in fMRI data.	2.1	2
1409	Cortical depth-dependent modeling of visual hemodynamic responses. Journal of Theor 2022, 535, 110978.	etical Biology,	0.8	0
1410	Coupling between cerebrovascular oscillations and CSF flow fluctuations during wakef fMRI study. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 1091-1103.	ulness: An	2.4	22
1411	Aerobic Clycolysis: A DeOxymoron of (Neuro)Biology. Metabolites, 2022, 12, 72.		1.3	9
1412	Hemodynamic and metabolic correspondence of resting-state voxel-based physiologica healthy adults. NeuroImage, 2022, 250, 118923.	I metrics in	2.1	36
1414	BOLD Monitoring in the Neural Simulator ANNarchy. Frontiers in Neuroinformatics, 202	22, 16, 790966.	1.3	3
1415	Restingâ€state functional magnetic resonance imaging signal variations in aging: The r activity. Human Brain Mapping, 2022, 43, 2880-2897.	ole of neural	1.9	9
1416	Hybrid fiber optic-fMRI for multimodal cell-specific recording and manipulation of neura rodents. Neurophotonics, 2022, 9, 032206.	al activity in	1.7	6
1417	On the intersection between data quality and dynamical modelling of large-scale fMRI NeuroImage, 2022, 256, 119051.	signals.	2.1	11

#	Article	IF	Citations
	From a Demand-Based to a Supply-Limited Framework of Brain Metabolism. Frontiers in Integrative		
1418	Neuroscience, 2022, 16, 818685.	1.0	13
1419	Toward an integrative neurovascular framework for studying brain networks. Neurophotonics, 2022, 9, 032211.	1.7	3
1420	Across the adult lifespan the ipsilateral sensorimotor cortex negative BOLD response exhibits decreases in magnitude and spatial extent suggesting declining inhibitory control. NeuroImage, 2022, 253, 119081.	2.1	10
1421	Robust brain state decoding using bidirectional long short term memory networks in functional MRI. , 2021, , .		1
1424	Estimating Effective Connectivity using Brain Partitioning. , 2021, , .		1
1431	Variability in Resting-State Functional Magnetic Resonance Imaging: The Effect of Body Mass, Blood Pressure, Hematocrit, and Clycated Hemoglobin on Hemodynamic and Neuronal Parameters. Brain Connectivity, 2022, 12, 870-882.	0.8	5
1432	Gustatory Cortex Is Involved in Evidence Accumulation during Food Choice. ENeuro, 2022, 9, ENEURO.0006-22.2022.	0.9	3
1435	A Step Forward to Formalize Tailored to Problem Specificity Mathematical Transforms. Frontiers in Applied Mathematics and Statistics, 0, 8, .	0.7	0
1437	Neurophysiological evaluation of workers' decision dynamics under time pressure and increased mental demand. Automation in Construction, 2022, 141, 104437.	4.8	18
1438	Imaging Analysis, Bayesian. , 2022, , 1657-1660.		0
1439	Dynamic Causal Modelling with Neural Population Models. , 2022, , 1237-1240.		0
1440	Brain Energy Metabolism. , 2022, , 540-558.		0
1441	Functional Ultrasound Neuroimaging. Annual Review of Neuroscience, 2022, 45, 491-513.	5.0	12
1442	Stability and dynamics of a spectral graph model of brain oscillations. Network Neuroscience, 2023, 7, 48-72.	1.4	3
1443	Development and emergence of functional network asymmetry in 3- to 9-month-old infants. Cortex, 2022, 154, 390-404.	1.1	3
1444	The hemodynamic model solving algorithm by using fMRI measurements. Neuroscience Informatics, 2022, 2, 100092.	2.8	1
1445	Temporal stability of the hemodynamic response function across the majority of human cerebral cortex. Human Brain Mapping, 2022, 43, 4924-4942.	1.9	7
1447	Human CSF movement influenced by vascular low frequency oscillations and respiration. Frontiers in Physiology, 0, 13, .	1.3	7

#	Article	IF	CITATIONS
1448	fNIRS-based brain state transition features to signify functional degeneration after Parkinson's disease. Journal of Neural Engineering, 2022, 19, 046038.	1.8	3
1449	Regional optimum frequency analysis of resting-state fMRI data for early detection of Alzheimer's disease biomarkers. Multimedia Tools and Applications, 0, , .	2.6	0
1451	Adaptation of stimulation duration to enhance auditory response in fNIRS block design. Hearing Research, 2022, 424, 108593.	0.9	0
1452	The initial decrease in 7T-BOLD signals detected by hyperalignment contains information to decode facial expressions. NeuroImage, 2022, 262, 119537.	2.1	1
1455	Neural Tissue and Its Signals. , 2022, , 11-42.		0
1456	Inverse Methods. , 2022, , 229-354.		0
1457	External drivers of BOLD signal's non-stationarity. PLoS ONE, 2022, 17, e0257580.	1.1	0
1458	Remote ischemic postconditioning increased cerebral blood flow and oxygenation assessed by magnetic resonance imaging in newborn piglets after hypoxia-ischemia. Frontiers in Pediatrics, 0, 10, .	0.9	1
1459	Modelling the depthâ€dependent <scp>VASO</scp> and <scp>BOLD</scp> responses in human primary visual cortex. Human Brain Mapping, 2023, 44, 710-726.	1.9	6
1460	Multiscale Brain Network Models and Their Applications in Neuropsychiatric Diseases. Electronics (Switzerland), 2022, 11, 3468.	1.8	3
1461	Reconstruction of time-shifted hemodynamic response. Scientific Reports, 2022, 12, .	1.6	0
1462	Restingâ€state coupling between <scp>HbO</scp> and Hb measured by <scp>fNIRS</scp> in autism spectrum disorder. Journal of Biophotonics, 0, , .	1.1	1
1464	Generalized models for quantifying laterality using functional transcranial Doppler ultrasound. Human Brain Mapping, 0, , .	1.9	5
1465	Pre- and post-surgery brain tumor multimodal magnetic resonance imaging data optimized for large scale computational modelling. Scientific Data, 2022, 9, .	2.4	2
1466	A modeling framework for determining modulation of neural-level tuning from non-invasive human fMRI data. Communications Biology, 2022, 5, .	2.0	1
1467	fMRI and fNIRS Methods for Social Brain Studies: Hyperscanning Possibilities. , 2023, , 231-254.		1
1468	Whole-brain dynamical modelling for classification of Parkinson's disease. Brain Communications, 2022, 5, .	1.5	5
1469	autohrf-an R package for generating data-informed event models for general linear modeling of task-based fMRI data. , 0, 1, .		0

#	Article	IF	Citations
1471	Temporal Mapper: Transition networks in simulated and real neural dynamics. Network Neuroscience, 2023, 7, 431-460.	1.4	2
1472	Mechanistic model for human brain metabolism and its connection to the neurovascular coupling. PLoS Computational Biology, 2022, 18, e1010798.	1.5	0
1473	A Holistic Analysis of Individual Brain Activity Revealed the Relationship of Brain Areal Activity with the Entire Brain's Activity. Brain Sciences, 2023, 13, 6.	1.1	1
1474	Characterization of Hemodynamic Alteration in Parkinson's Disease and Effect on Resting-State Connectivity. Neuroscience, 2023, 524, 233-241.	1.1	2
1475	Integrating EEG–fMRI Through Brain Simulation. , 2022, , 745-777.		0
1476	A quantitative model for human neurovascular coupling with translated mechanisms from animals. PLoS Computational Biology, 2023, 19, e1010818.	1.5	0
1477	Estimation of neuronal task information in fMRI using zero frequency resonator. NeuroImage, 2023, 267, 119865.	2.1	0
1478	Generalized DCM models for pre-filtering compensation. , 2022, , .		0
1480	Multimodal Neuroimaging with Simultaneous fMRI and EEG. , 2023, , 2893-2915.		0
1482	EEG–fMRI Information Fusion: Biophysics and Data Analysis. , 2022, , 695-726.		0
1483	High-frequency neuronal signal better explains multi-phase BOLD response. NeuroImage, 2023, 268, 119887.	2.1	2
1484	Multimodal assessment of the spatial correspondence between fNIRS and fMRI hemodynamic responses in motor tasks. Scientific Reports, 2023, 13, .	1.6	6
1485	Amygdalaâ€frontoparietal effective connectivity in creativity and humor processing. Human Brain Mapping, 2023, 44, 2585-2606.	1.9	5
1486	Ultraâ€highâ€field pharmacological functional <scp>MRI</scp> of dopamine <scp>D1</scp> receptorâ€related interventions in anesthetized rats. Pharmacology Research and Perspectives, 2023, 11, .	1.1	0
1489	Develop blood oxygen level dependent signal by metabolic/hemodynamic model using numerical methods. Informatics in Medicine Unlocked, 2023, 38, 101217.	1.9	1
1490	Dynamic Graphical Models with Variable Selection for Effective Connectivity. Bayesian Analysis, 2023, -1, .	1.6	0
1491	Modeling the relationship between neuronal activity and the BOLD signal: contributions from astrocyte calcium dynamics. Scientific Reports, 2023, 13, .	1.6	5
1492	The Basics of Functional Magnetic Resonance Imaging. , 2022, , 49-77.		2

#	Article	IF	CITATIONS
1494	Principles of BOLD Functional MRI. , 2023, , 461-472.		1
1498	Technology Initiatives in the Human Locomotor System. , 2023, , 199-260.		0
1509	Optimization of the BOLD Hemodynamic Response Function for EEG-FMRI Studies in Epilepsy. Lecture Notes in Networks and Systems, 2024, , 131-146.	0.5	0
1513	Joint Estimation of Neural Events and Hemodynamic Response Functions from Task fMRI via Convolutional Neural Networks. Lecture Notes in Computer Science, 2023, , 67-78.	1.0	0
1521	Unit 5 Lesson: A Very Brief Introduction to Neuroimaging. , 2024, , 195-214.		0