

Blaise deB Frederick

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/398469/blaise-deb-frederick-publications-by-year.pdf>

Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

89 papers	3,284 citations	35 h-index	56 g-index
99 ext. papers	3,861 ext. citations	4.4 avg, IF	5.23 L-index

#	Paper	IF	Citations
89	Sex differences in functional network dynamics observed using coactivation pattern analysis. <i>Cognitive Neuroscience</i> , 2021 , 12, 120-130	1.7	0
88	Consistency of independent component analysis for fMRI. <i>Journal of Neuroscience Methods</i> , 2021 , 351, 109013	3	2
87	Using carpet plots to analyze transit times of low frequency oscillations in resting state fMRI. <i>Scientific Reports</i> , 2021 , 11, 7011	4.9	0
86	An MRI protocol for anatomical and functional evaluation of the California sea lion brain. <i>Journal of Neuroscience Methods</i> , 2021 , 353, 109097	3	1
85	Post-hoc physiological waveform extraction from motion estimation in simultaneous multislice (SMS) functional MRI using separate stack processing. <i>Magnetic Resonance in Medicine</i> , 2021 , 85, 309-315	4.4	1
84	Nicotine acutely alters temporal properties of resting brain states. <i>Drug and Alcohol Dependence</i> , 2021 , 226, 108846	4.9	
83	A low-cost multichannel NIRS oximeter for monitoring systemic low-frequency oscillations. <i>Neural Computing and Applications</i> , 2020 , 32, 15629-15641	4.8	1
82	Asymmetry of peripheral vascular biomarkers in ischemic stroke patients, assessed using NIRS. <i>Journal of Biomedical Optics</i> , 2020 , 25, 1-16	3.5	2
81	Craving and Cue Reactivity in Nicotine-Dependent Tobacco Smokers Is Associated With Different Insula Networks. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020 , 5, 76-83	3.4	8
80	Snowball ICA: A Model Order Free Independent Component Analysis Strategy for Functional Magnetic Resonance Imaging Data. <i>Frontiers in Neuroscience</i> , 2020 , 14, 569657	5.1	6
79	Temporal Dynamics of Large-Scale Networks Predict Neural Cue Reactivity and Cue-Induced Craving. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020 , 5, 1011-1018	3.4	3
78	Dynamic functioning of transient resting-state coactivation networks in the Human Connectome Project. <i>Human Brain Mapping</i> , 2020 , 41, 373-387	5.9	11
77	Low Frequency Systemic Hemodynamic "Noise" in Resting State BOLD fMRI: Characteristics, Causes, Implications, Mitigation Strategies, and Applications. <i>Frontiers in Neuroscience</i> , 2019 , 13, 787	5.1	49
76	Extraction of the cardiac waveform from simultaneous multislice fMRI data using slice sorted averaging and a deep learning reconstruction filter. <i>NeuroImage</i> , 2019 , 198, 303-316	7.9	13
75	Denoising of neuronal signal from mixed systemic low-frequency oscillation using peripheral measurement as noise regressor in near-infrared imaging. <i>Neurophotonics</i> , 2019 , 6, 015001	3.9	10
74	The Alignment of Systemic Low Frequency Oscillations with V1 Retinotopic Organization. <i>Journal of Vision</i> , 2019 , 19, 79	0.4	
73	Resting-state functional connectivity, cortical GABA, and neuroactive steroids in peripartum and peripartum depressed women: a functional magnetic resonance imaging and spectroscopy study. <i>Neuropsychopharmacology</i> , 2019 , 44, 546-554	8.7	31

72	Vascular effects of caffeine found in BOLD fMRI. <i>Journal of Neuroscience Research</i> , 2019 , 97, 456-466	4.4	6
71	Clinical Use of Cerebrovascular Compliance Imaging to Evaluate Revascularization in Patients With Moyamoya. <i>Neurosurgery</i> , 2019 , 84, 261-271	3.2	12
70	The resting-state fMRI arterial signal predicts differential blood transit time through the brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019 , 39, 1148-1160	7.3	37
69	Automated Processing of fNIRS Data-A Visual Guide to the Pitfalls and Consequences. <i>Algorithms</i> , 2018 , 11,	1.8	37
68	Systemic low-frequency oscillations observed in the periphery of healthy human subjects. <i>Journal of Biomedical Optics</i> , 2018 , 23, 1-11	3.5	6
67	Perspective: Prospects of non-invasive sensing of the human brain with diffuse optical imaging. <i>APL Photonics</i> , 2018 , 3,	5.2	19
66	Perfusion information extracted from resting state functional magnetic resonance imaging. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017 , 37, 564-576	7.3	53
65	Impact of vessel wall lesions and vascular stenoses on cerebrovascular reactivity in patients with intracranial stenotic disease. <i>Journal of Magnetic Resonance Imaging</i> , 2017 , 46, 1167-1176	5.6	10
64	Time delay processing of hypercapnic fMRI allows quantitative parameterization of cerebrovascular reactivity and blood flow delays. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016 , 36, 1767-1779	7.3	38
63	Default Mode Network Functional Reorganization During Early Abstinence in Polysubstance-Using Emerging Adults Treated for Opioid Dependence. <i>Journal of Neuropsychiatry and Clinical Neurosciences</i> , 2016 , 28, 325-327	2.7	2
62	Greater sensitivity of the cortical face processing system to perceptually-equated face detection. <i>Brain Research</i> , 2016 , 1631, 13-21	3.7	2
61	Correcting for Blood Arrival Time in Global Mean Regression Enhances Functional Connectivity Analysis of Resting State fMRI-BOLD Signals. <i>Frontiers in Human Neuroscience</i> , 2016 , 10, 311	3.3	53
60	Systemic Low-Frequency Oscillations in BOLD Signal Vary with Tissue Type. <i>Frontiers in Neuroscience</i> , 2016 , 10, 313	5.1	18
59	Can apparent resting state connectivity arise from systemic fluctuations?. <i>Frontiers in Human Neuroscience</i> , 2015 , 9, 285	3.3	40
58	Memory retrieval of smoking-related images induce greater insula activation as revealed by an fMRI-based delayed matching to sample task. <i>Addiction Biology</i> , 2015 , 20, 349-56	4.6	24
57	Optimized multimodal functional magnetic resonance imaging/near-infrared spectroscopy probe for ultrahigh-resolution mapping. <i>Neurophotonics</i> , 2015 , 2, 045004	3.9	1
56	Tracking cerebral blood flow in BOLD fMRI using recursively generated regressors. <i>Human Brain Mapping</i> , 2014 , 35, 5471-85	5.9	34
55	An increase in tobacco craving is associated with enhanced medial prefrontal cortex network coupling. <i>PLoS ONE</i> , 2014 , 9, e88228	3.7	26

54	Studying the Spatial Distribution of Physiological Effects on BOLD Signals Using Ultrafast fMRI. <i>Frontiers in Human Neuroscience</i> , 2014 , 8, 196	3.3	49
53	Short repetition time multiband echo-planar imaging with simultaneous pulse recording allows dynamic imaging of the cardiac pulsation signal. <i>Magnetic Resonance in Medicine</i> , 2014 , 72, 1268-76	4.4	22
52	Nicotine content and abstinence state have different effects on subjective ratings of positive versus negative reinforcement from smoking. <i>Pharmacology Biochemistry and Behavior</i> , 2013 , 103, 710-6	3.9	6
51	GABAergic neuroactive steroids and resting-state functional connectivity in postpartum depression: a preliminary study. <i>Journal of Psychiatric Research</i> , 2013 , 47, 816-28	5.2	87
50	Evaluating the effects of systemic low frequency oscillations measured in the periphery on the independent component analysis results of resting state networks. <i>NeuroImage</i> , 2013 , 76, 202-15	7.9	53
49	GABA levels in the dorsal anterior cingulate cortex associated with difficulty ignoring smoking-related cues in tobacco-dependent volunteers. <i>Neuropsychopharmacology</i> , 2013 , 38, 1113-20	8.7	18
48	A method for conducting functional MRI studies in alert nonhuman primates: initial results with opioid agonists in male cynomolgus monkeys. <i>Experimental and Clinical Psychopharmacology</i> , 2013 , 21, 323-31	3.2	7
47	The Neural Correlates of Vertical Splitting in a Single Case Study. <i>Neuropsychoanalysis</i> , 2012 , 14, 157-163	3.8	4
46	Association between CHRNA5 genetic variation at rs16969968 and brain reactivity to smoking images in nicotine dependent women. <i>Drug and Alcohol Dependence</i> , 2012 , 120, 7-13	4.9	39
45	Prefrontal and limbic resting state brain network functional connectivity differs between nicotine-dependent smokers and non-smoking controls. <i>Drug and Alcohol Dependence</i> , 2012 , 125, 252-9	4.9	95
44	Physiological denoising of BOLD fMRI data using Regressor Interpolation at Progressive Time Delays (RIPTiDe) processing of concurrent fMRI and near-infrared spectroscopy (NIRS). <i>NeuroImage</i> , 2012 , 60, 1913-23	7.9	49
43	Concurrent fNIRS and fMRI processing allows independent visualization of the propagation of pressure waves and bulk blood flow in the cerebral vasculature. <i>NeuroImage</i> , 2012 , 61, 1419-27	7.9	49
42	Low-frequency oscillations measured in the periphery with near-infrared spectroscopy are strongly correlated with blood oxygen level-dependent functional magnetic resonance imaging signals. <i>Journal of Biomedical Optics</i> , 2012 , 17, 106004	3.5	63
41	Voluntary switching between identities in dissociative identity disorder: A functional MRI case study. <i>Cognitive Neuroscience</i> , 2012 , 3, 112-9	1.7	9
40	An improved method for mapping cerebrovascular reserve using concurrent fMRI and near-infrared spectroscopy with Regressor Interpolation at Progressive Time Delays (RIPTiDe). <i>NeuroImage</i> , 2011 , 56, 2047-57	7.9	30
39	Isolating the sources of widespread physiological fluctuations in functional near-infrared spectroscopy signals. <i>Journal of Biomedical Optics</i> , 2011 , 16, 106005	3.5	16
38	Partitioning of physiological noise signals in the brain with concurrent near-infrared spectroscopy and fMRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011 , 31, 2352-62	7.3	64
37	Brain reactivity to smoking cues prior to smoking cessation predicts ability to maintain tobacco abstinence. <i>Biological Psychiatry</i> , 2010 , 67, 722-9	7.9	329

36	Time lag dependent multimodal processing of concurrent fMRI and near-infrared spectroscopy (NIRS) data suggests a global circulatory origin for low-frequency oscillation signals in human brain. <i>NeuroImage</i> , 2010 , 53, 553-64	7.9	138
35	Chemosensory cues to conspecific emotional stress activate amygdala in humans. <i>PLoS ONE</i> , 2009 , 4, e6415	3.7	132
34	Design and validation of an improved nonferrous smoking device for self-administration of smoked drugs with concurrent fMRI neuroimaging. <i>Clinical EEG and Neuroscience</i> , 2009 , 40, 21-30	2.3	2
33	Activation of suprachiasmatic nuclei and primary visual cortex depends upon time of day. <i>European Journal of Neuroscience</i> , 2009 , 29, 399-410	3.5	23
32	Functional neuroimaging of reward circuitry responsivity to monetary gains and losses in posttraumatic stress disorder. <i>Biological Psychiatry</i> , 2009 , 66, 1083-90	7.9	121
31	Brain fMRI reactivity to smoking-related images before and during extended smoking abstinence. <i>Experimental and Clinical Psychopharmacology</i> , 2009 , 17, 365-73	3.2	51
30	Second-Hand Stress: Neurobiological Evidence for a Human Alarm Pheromone. <i>Nature Precedings</i> , 2008 ,		3
29	Differential effects of D-amphetamine on red and blue light-induced photic activation: A novel BOLD fMRI assay of human dopamine function. <i>Synapse</i> , 2008 , 62, 268-72	2.4	4
28	Brain changes to hypocapnia using rapidly interleaved phosphorus-proton magnetic resonance spectroscopy at 4 T. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007 , 27, 646-53	7.3	11
27	An MR-compatible device for delivering smoked marijuana during functional imaging. <i>Pharmacology Biochemistry and Behavior</i> , 2007 , 87, 81-9	3.9	7
26	Brain, skull, and cerebrospinal fluid volumes in adult posttraumatic stress disorder. <i>Journal of Traumatic Stress</i> , 2007 , 20, 763-74	3.8	16
25	Glutamine and glutamate levels in children and adolescents with bipolar disorder: a 4.0-T proton magnetic resonance spectroscopy study of the anterior cingulate cortex. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2007 , 46, 524-34	7.2	79
24	Topiramate raises anterior cingulate cortex glutamine levels in healthy men; a 4.0 T magnetic resonance spectroscopy study. <i>Psychopharmacology</i> , 2006 , 188, 236-43	4.7	21
23	MDMA use is associated with increased spatial BOLD fMRI visual cortex activation in human MDMA users. <i>Pharmacology Biochemistry and Behavior</i> , 2006 , 84, 219-28	3.9	23
22	In vivo detection of brain glycine with echo-time-averaged (1)H magnetic resonance spectroscopy at 4.0 T. <i>Magnetic Resonance in Medicine</i> , 2006 , 55, 681-6	4.4	32
21	Hippocampal Volume, PTSD, and Alcoholism in Combat Veterans. <i>American Journal of Psychiatry</i> , 2006 , 163, 674-681	11.9	61
20	Cerebellar vermis involvement in cocaine-related behaviors. <i>Neuropsychopharmacology</i> , 2006 , 31, 1318-26	7.7	79
19	Spatially weighted BOLD signal for comparison of functional magnetic resonance imaging and near-infrared imaging of the brain. <i>NeuroImage</i> , 2006 , 33, 505-14	7.9	45

18	Magnetic resonance spectroscopy for measuring the biodistribution and in situ in vivo pharmacokinetics of fluorinated compounds: validation using an investigation of liver and heart disposition of tecastemizole. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2006 , 31, 261-73	2.2	13
17	Hippocampal volume, PTSD, and alcoholism in combat veterans. <i>American Journal of Psychiatry</i> , 2006 , 163, 674-81	11.9	35
16	Grey and white matter GABA level differences in the human brain using two-dimensional, J-resolved spectroscopic imaging. <i>NMR in Biomedicine</i> , 2005 , 18, 570-6	4.4	83
15	Two-dimensional, J-resolved spectroscopic imaging of GABA at 4 Tesla in the human brain. <i>Magnetic Resonance in Medicine</i> , 2005 , 54, 783-8	4.4	43
14	In vivo proton magnetic resonance spectroscopy of the temporal lobe in Alzheimer's disease. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2004 , 28, 1313-22	5.5	40
13	Selective serotonin reuptake inhibitor discontinuation syndrome is associated with a rostral anterior cingulate choline metabolite decrease: a proton magnetic resonance spectroscopic imaging study. <i>Biological Psychiatry</i> , 2003 , 54, 534-9	7.9	18
12	Brain Proton Magnetic Resonance Spectroscopy in Alzheimer Disease: Changes After Treatment With Xanomeline. <i>American Journal of Geriatric Psychiatry</i> , 2002 , 10, 81-88	6.5	25
11	Influence of baseline hematocrit and hemodilution on BOLD fMRI activation. <i>Magnetic Resonance Imaging</i> , 2001 , 19, 1055-62	3.3	70
10	Multinuclear magnetic resonance spectroscopy studies of brain purines in major depression. <i>American Journal of Psychiatry</i> , 2001 , 158, 2048-55	11.9	107
9	Choline, myo-inositol and mood in bipolar disorder: a proton magnetic resonance spectroscopic imaging study of the anterior cingulate cortex. <i>Bipolar Disorders</i> , 2000 , 2, 207-16	3.8	153
8	Sex differences in response to red and blue light in human primary visual cortex: a bold fMRI study. <i>Psychiatry Research - Neuroimaging</i> , 2000 , 100, 129-38	2.9	39
7	Proton magnetic resonance spectroscopy of human basal ganglia: response to cocaine administration. <i>Biological Psychiatry</i> , 2000 , 48, 685-92	7.9	15
6	Brain biochemistry using magnetic resonance spectroscopy: relevance to psychiatric illness in the elderly. <i>Journal of Geriatric Psychiatry and Neurology</i> , 1999 , 12, 107-17	3.8	17
5	NAA-weighted imaging of the human brain using a conventional readout gradient. <i>Magnetic Resonance in Medicine</i> , 1999 , 41, 187-92	4.4	3
4	In vivo proton magnetic resonance spectroscopy of Alzheimer's disease in the parietal and temporal lobes. <i>Biological Psychiatry</i> , 1997 , 42, 147-50	7.9	31
3	Decoupled automated rotational and translational registration for functional MRI time series data: the DART registration algorithm. <i>Magnetic Resonance in Medicine</i> , 1997 , 37, 131-9	4.4	86
2	In vivo detection of GABA in human brain using a localized double-quantum filter technique. <i>Magnetic Resonance in Medicine</i> , 1997 , 37, 366-71	4.4	106
1	NMR determination of myocardial pH in vivo: separation of tissue inorganic phosphate from blood 2,3-DPG. <i>Magnetic Resonance in Medicine</i> , 1991 , 17, 368-78	4.4	4

