

Mark S. Cohen

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

126
papers

15,228
citations

48
h-index

123
g-index

130
ext. papers

16,758
ext. citations

5.7
avg, IF

5.95
L-index

#	Paper	IF	Citations
126	Dynamic magnetic resonance imaging of human brain activity during primary sensory stimulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992 , 89, 5675-9	11.5	3260
125	Functional mapping of the human visual cortex by magnetic resonance imaging. <i>Science</i> , 1991 , 254, 716-9	9.3	1424
124	Patterns of brain activation in people at risk for Alzheimer's disease. <i>New England Journal of Medicine</i> , 2000 , 343, 450-6	59.2	1029
123	Simultaneous EEG and fMRI of the alpha rhythm. <i>NeuroReport</i> , 2002 , 13, 2487-2492	1.7	866
122	Changes in cortical activity during mental rotation. A mapping study using functional MRI. <i>Brain</i> , 1996 , 119 (Pt 1), 89-100	11.2	633
121	Parametric analysis of fMRI data using linear systems methods. <i>NeuroImage</i> , 1997 , 6, 93-103	7.9	625
120	Functional cerebral imaging by susceptibility-contrast NMR. <i>Magnetic Resonance in Medicine</i> , 1990 , 14, 538-46	4.4	453
119	Simultaneous EEG and fMRI of the alpha rhythm. <i>NeuroReport</i> , 2002 , 13, 2487-92	1.7	378
118	Recruitment of anterior dorsolateral prefrontal cortex in human reasoning: a parametric study of relational complexity. <i>Cerebral Cortex</i> , 2002 , 12, 477-85	5.1	336
117	Contrast agents and cerebral hemodynamics. <i>Magnetic Resonance in Medicine</i> , 1991 , 19, 285-92	4.4	249
116	Susceptibility contrast imaging of cerebral blood volume: human experience. <i>Magnetic Resonance in Medicine</i> , 1991 , 22, 293-9; discussion 300-3	4.4	247
115	Concurrent EEG/fMRI analysis by multiway Partial Least Squares. <i>NeuroImage</i> , 2004 , 22, 1023-34	7.9	246
114	Brain parenchyma motion: measurement with cine echo-planar MR imaging. <i>Radiology</i> , 1992 , 185, 645-51	10.5	237
113	Neural substrates of resisting craving during cigarette cue exposure. <i>Biological Psychiatry</i> , 2007 , 62, 642-51	5.9	234
112	Acquiring simultaneous EEG and functional MRI. <i>Clinical Neurophysiology</i> , 2000 , 111, 1974-80	4.3	232
111	A review of low-intensity focused ultrasound pulsation. <i>Brain Stimulation</i> , 2011 , 4, 125-36	5.1	230
110	Localization of brain function using magnetic resonance imaging. <i>Trends in Neurosciences</i> , 1994 , 17, 268-73	7.3	196

109	Ultra-fast imaging. <i>Magnetic Resonance Imaging</i> , 1991 , 9, 1-37	3.3	192
108	Increased amygdala activation during mania: a functional magnetic resonance imaging study. <i>American Journal of Psychiatry</i> , 2005 , 162, 1211-3	11.9	173
107	Blunted activation in orbitofrontal cortex during mania: a functional magnetic resonance imaging study. <i>Biological Psychiatry</i> , 2005 , 58, 763-9	7.9	170
106	Dorsolateral prefrontal cortex activity during maintenance and manipulation of information in working memory in patients with schizophrenia. <i>Archives of General Psychiatry</i> , 2005 , 62, 1071-80		158
105	Stability, repeatability, and the expression of signal magnitude in functional magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging</i> , 1999 , 10, 33-40	5.6	142
104	Qualitative and quantitative evaluation of six algorithms for correcting intensity nonuniformity effects. <i>NeuroImage</i> , 2001 , 13, 931-43	7.9	132
103	Real-time magnetic resonance imaging of laser heat deposition in tissue. <i>Magnetic Resonance in Medicine</i> , 1991 , 21, 132-7	4.4	131
102	Working memory in cigarette smokers: comparison to non-smokers and effects of abstinence. <i>Addictive Behaviors</i> , 2006 , 31, 833-44	4.2	125
101	Rapid and effective correction of RF inhomogeneity for high field magnetic resonance imaging. <i>Human Brain Mapping</i> , 2000 , 10, 204-11	5.9	125
100	Sensory stimulation by time-varying magnetic fields. <i>Magnetic Resonance in Medicine</i> , 1990 , 14, 409-14	4.4	122
99	Maintenance and manipulation in spatial working memory: dissociations in the prefrontal cortex. <i>NeuroImage</i> , 2002 , 17, 201-13	7.9	121
98	Mindfulness, emotional dysregulation, impulsivity, and stress proneness among hypersexual patients. <i>Journal of Clinical Psychology</i> , 2014 , 70, 313-21	2.8	117
97	Functional neuroimaging of belief, disbelief, and uncertainty. <i>Annals of Neurology</i> , 2008 , 63, 141-7	9.4	116
96	The relationship between performance and fMRI signal during working memory in patients with schizophrenia, unaffected co-twins, and control subjects. <i>Schizophrenia Research</i> , 2007 , 89, 191-7	3.6	110
95	Regional brain changes in bipolar I depression: a functional magnetic resonance imaging study. <i>Bipolar Disorders</i> , 2008 , 10, 708-17	3.8	106
94	Brain activity in cigarette smokers performing a working memory task: effect of smoking abstinence. <i>Biological Psychiatry</i> , 2005 , 58, 143-50	7.9	105
93	Comparison of multiple sclerosis lesions at 1.5 and 3.0 Tesla. <i>Investigative Radiology</i> , 2003 , 38, 423-7	10.1	97
92	Insights into multimodal imaging classification of ADHD. <i>Frontiers in Systems Neuroscience</i> , 2012 , 6, 59	3.5	94

91	Simultaneous functional magnetic resonance imaging and electrophysiological recording. <i>Human Brain Mapping</i> , 1995 , 3, 13-23	5.9	92
90	Magnetic resonance imaging mapping of brain function. Human visual cortex. <i>Investigative Radiology</i> , 1992 , 27 Suppl 2, S59-65	10.1	90
89	Non-negative matrix factorization of multimodal MRI, fMRI and phenotypic data reveals differential changes in default mode subnetworks in ADHD. <i>NeuroImage</i> , 2014 , 102 Pt 1, 207-19	7.9	84
88	The neural correlates of religious and nonreligious belief. <i>PLoS ONE</i> , 2009 , 4, e0007272	3.7	80
87	Hippocampal activations during encoding and retrieval in a verbal working memory paradigm. <i>NeuroImage</i> , 2005 , 25, 1224-31	7.9	79
86	Spatiotopic organization in human superior colliculus observed with fMRI. <i>NeuroImage</i> , 2000 , 12, 63-70	7.9	73
85	Obesity and decreased femoral anteversion in adolescence. <i>Journal of Orthopaedic Research</i> , 1987 , 5, 523-8	3.8	71
84	Performance comparison of machine learning algorithms and number of independent components used in fMRI decoding of belief vs. disbelief. <i>NeuroImage</i> , 2011 , 56, 544-53	7.9	69
83	Decreased small-world functional network connectivity and clustering across resting state networks in schizophrenia: an fMRI classification tutorial. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 520	3.3	65
82	Deficits in inferior frontal cortex activation in euthymic bipolar disorder patients during a response inhibition task. <i>Bipolar Disorders</i> , 2012 , 14, 442-50	3.8	60
81	Diagnostic delay in psychogenic seizures and the association with anti-seizure medication trials. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2016 , 40, 123-6	3.2	51
80	Electronic health record phenotyping improves detection and screening of type 2 diabetes in the general United States population: A cross-sectional, unselected, retrospective study. <i>Journal of Biomedical Informatics</i> , 2016 , 60, 162-8	10.2	49
79	Effect of bupropion treatment on brain activation induced by cigarette-related cues in smokers. <i>Archives of General Psychiatry</i> , 2011 , 68, 505-15		49
78	Effect of cigarette smoking on prefrontal cortical function in nondeprived smokers performing the Stroop Task. <i>Neuropsychopharmacology</i> , 2007 , 32, 1421-8	8.7	45
77	Effects of acute smoking on brain activity vary with abstinence in smokers performing the N-Back task: a preliminary study. <i>Psychiatry Research - Neuroimaging</i> , 2006 , 148, 103-9	2.9	44
76	Functional neuroanatomy of visual masking deficits in schizophrenia. <i>Archives of General Psychiatry</i> , 2009 , 66, 1295-303		43
75	Bilateral neurostimulation systems used for deep brain stimulation: in vitro study of MRI-related heating at 1.5 T and implications for clinical imaging of the brain. <i>Magnetic Resonance Imaging</i> , 2005 , 23, 549-55	3.3	43
74	Functionalized magnetonanoparticles for MRI diagnosis and localization in epilepsy. <i>Epilepsia</i> , 2008 , 49, 1419-30	6.4	42

73	Regional brain activity associated with visual backward masking. <i>Journal of Cognitive Neuroscience</i> , 2005 , 17, 13-23	3.1	42
72	Real-time functional magnetic resonance imaging. <i>Methods</i> , 2001 , 25, 201-20	4.6	42
71	Nonaxial whole-body instant imaging. <i>Magnetic Resonance in Medicine</i> , 1993 , 29, 796-803	4.4	35
70	Altered dynamic coupling of lateral occipital complex during visual perception in schizophrenia. <i>NeuroImage</i> , 2011 , 55, 1219-26	7.9	34
69	Ultrafast imaging of brain tumors. <i>Topics in Magnetic Resonance Imaging</i> , 1993 , 5, 14-24	2.3	34
68	Computer-Aided Diagnosis and Localization of Lateralized Temporal Lobe Epilepsy Using Interictal FDG-PET. <i>Frontiers in Neurology</i> , 2013 , 4, 31	4.1	32
67	Functional studies of the human brain using high-speed magnetic resonance imaging 1991 , 1, 36-41		31
66	Identifying psychogenic seizures through comorbidities and medication history. <i>Epilepsia</i> , 2017 , 58, 1852-1860	3.0	30
65	Single breath-holding scans of the abdomen using FISP and FLASH at 1.5 T. <i>Journal of Computer Assisted Tomography</i> , 1988 , 12, 575-83	2.2	30
64	Dynamic evaluation of exercising leg muscle in healthy subjects with echo planar MR imaging: work rate and total work determine rate of T2 change. <i>Journal of Magnetic Resonance Imaging</i> , 1995 , 5, 588-93	5.6	29
63	Classification of spatially unaligned fMRI scans. <i>NeuroImage</i> , 2010 , 49, 2509-19	7.9	27
62	An objective score to identify psychogenic seizures based on age of onset and history. <i>Epilepsy and Behavior</i> , 2018 , 80, 75-83	3.2	25
61	Alpha desynchronization and fronto-parietal connectivity during spatial working memory encoding deficits in ADHD: A simultaneous EEG-fMRI study. <i>NeuroImage: Clinical</i> , 2016 , 11, 210-223	5.3	25
60	Increased extent of object-selective cortex in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2008 , 164, 97-105	2.9	25
59	Dynamic signal intensity changes in liver with superparamagnetic MR contrast agents. <i>Journal of Magnetic Resonance Imaging</i> , 1992 , 2, 177-81	5.6	25
58	Automated diagnosis of epilepsy using EEG power spectrum. <i>Epilepsia</i> , 2012 , 53, e189-92	6.4	20
57	Gradient-echo imaging of hemorrhage at 1.5 Tesla. <i>Magnetic Resonance Imaging</i> , 1989 , 7, 163-72	3.3	20
56	Abnormal Ventral and Dorsal Attention Network Activity during Single and Dual Target Detection in Schizophrenia. <i>Frontiers in Psychology</i> , 2016 , 7, 323	3.4	18

55	fMRI evidence of aberrant neural adaptation for objects in schizophrenia and bipolar disorder. <i>Human Brain Mapping</i> , 2019 , 40, 1608-1617	5.9	17
54	Perspective: causes and functional significance of temporal variations in attention control. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 381	3.3	16
53	Why Trade?. <i>Perspectives on Science</i> , 1999 , 7, 231-254	0.6	16
52	Single trial decoding of belief decision making from EEG and fMRI data using independent components features. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 392	3.3	14
51	Regional brain activity during early visual perception in unaffected siblings of schizophrenia patients. <i>Biological Psychiatry</i> , 2010 , 68, 78-85	7.9	13
50	Simultaneous EEG and fMRI made easy. <i>NeuroImage</i> , 2001 , 13, 6	7.9	13
49	Do Complexity Measures of Frontal EEG Distinguish Loss of Consciousness in Geriatric Patients Under Anesthesia?. <i>Frontiers in Neuroscience</i> , 2018 , 12, 645	5.1	13
48	Reliability of reported peri-ictal behavior to identify psychogenic nonepileptic seizures. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2019 , 67, 45-51	3.2	12
47	The utility of data-driven feature selection: re: Chu et al. 2012. <i>NeuroImage</i> , 2014 , 84, 1107-10	7.9	12
46	Separation and reconstruction of BCG and EEG signals during continuous EEG and fMRI recordings. <i>Frontiers in Neuroscience</i> , 2014 , 8, 163	5.1	12
45	Removing ballistocardiogram (BCG) artifact from full-scalp EEG acquired inside the MR scanner with Orthogonal Matching Pursuit (OMP). <i>Frontiers in Neuroscience</i> , 2014 , 8, 218	5.1	12
44	Clinical application of abdominal echoplanar imaging (EPI): optimization using a retrofitted EPI system. <i>Journal of Computer Assisted Tomography</i> , 1994 , 18, 673-9	2.2	12
43	On-line data acquisition system using an Apple computer: ISI and PST histograms. <i>Brain Research Bulletin</i> , 1984 , 13, 205-23	3.9	12
42	Diagnostic implications of review-of-systems questionnaires to differentiate epileptic seizures from psychogenic seizures. <i>Epilepsy and Behavior</i> , 2017 , 69, 69-74	3.2	11
41	Effects of total and partial spinal transections on the pudendal nerve-evoked response in rat lumbar axial muscle. <i>Brain Research</i> , 1987 , 401, 103-12	3.7	11
40	Safety of focused ultrasound neuromodulation in humans with temporal lobe epilepsy. <i>Brain Stimulation</i> , 2021 , 14, 1022-1031	5.1	11
39	Echo planar imaging before and after fMRI: a personal history. <i>NeuroImage</i> , 2012 , 62, 652-9	7.9	9
38	An aqueous gastrointestinal contrast agent for use in echo-planar MR imaging. <i>Magnetic Resonance in Medicine</i> , 1992 , 25, 380-3	4.4	9

37	Assessing neural tuning for object perception in schizophrenia and bipolar disorder with multivariate pattern analysis of fMRI data. <i>NeuroImage: Clinical</i> , 2017 , 16, 491-497	5.3	8
36	Large Sample Group Independent Component Analysis of Functional Magnetic Resonance Imaging Using Anatomical Atlas-Based Reduction and Bootstrapped Clustering. <i>International Journal of Imaging Systems and Technology</i> , 2011 , 21, 223-231	2.5	8
35	Dynamic gadolinium-enhanced echo-planar MR imaging of the liver: effect of pulse sequence and dose on enhancement. <i>Journal of Magnetic Resonance Imaging</i> , 1994 , 4, 331-5	5.6	8
34	Empathic Neural Responses Predict Group Allegiance. <i>Frontiers in Human Neuroscience</i> , 2018 , 12, 302	3.3	7
33	An implantable RF solenoid for magnetic resonance microscopy and microspectroscopy. <i>IEEE Transactions on Biomedical Engineering</i> , 2012 , 59, 2118-25	5	7
32	Single-shot magnetic resonance imaging: applications to angiography. <i>CardioVascular and Interventional Radiology</i> , 1992 , 15, 32-42	2.7	7
31	Objective score from initial interview identifies patients with probable dissociative seizures. <i>Epilepsy and Behavior</i> , 2020 , 113, 107525	3.2	7
30	Differentiating weight-restored anorexia nervosa and body dysmorphic disorder using neuroimaging and psychometric markers. <i>PLoS ONE</i> , 2019 , 14, e0213974	3.7	6
29	Low-intensity focused ultrasound pulsation device used during magnetic resonance imaging: evaluation of magnetic resonance imaging-related heating at 3 Tesla/128 MHz. <i>Neuromodulation</i> , 2014 , 17, 236-41; discussion 241	3.1	6
28	BCG Artifact Removal for Reconstructing Full-scalp EEG inside the MR Scanner. <i>International Workshop on Pattern Recognition in NeuroImaging</i> , 2013 , 2013, 178-181		6
27	Real-Time Functional MRI Classification of Brain States Using Markov-SVM Hybrid Models: Peering Inside the rt-fMRI Black Box. <i>Lecture Notes in Computer Science</i> , 2012 , 242-255	0.9	6
26	Neurophysiological signals of ignoring and attending are separable and related to performance during sustained intersensory attention. <i>Journal of Cognitive Neuroscience</i> , 2014 , 26, 2055-69	3.1	5
25	A data compression method for image time series. <i>Human Brain Mapping</i> , 2001 , 12, 20-4	5.9	5
24	Multimodal diagnosis of epilepsy using conditional dependence and multiple imputation. <i>International Workshop on Pattern Recognition in NeuroImaging</i> , 2014 , 1-4		4
23	Balancing Clinical and Pathologic Relevance in the Machine Learning Diagnosis of Epilepsy. <i>International Workshop on Pattern Recognition in NeuroImaging</i> , 2013 , 2013, 86-89		4
22	Neural substrates of visual masking by object substitution in schizophrenia. <i>Human Brain Mapping</i> , 2014 , 35, 4654-62	5.9	4
21	Method for simultaneous fMRI/EEG data collection during a focused attention suggestion for differential thermal sensation. <i>Journal of Visualized Experiments</i> , 2014 , e3298	1.6	3
20	Coupled basis learning and regularized reconstruction for BCG artifact removal in simultaneous EEG-fMRI studies 2013 ,		3

19	Parameter Selection in Mutual Information-Based Feature Selection in Automated Diagnosis of Multiple Epilepsies Using Scalp EEG. <i>International Workshop on Pattern Recognition in NeuroImaging</i> , 2012 , 45-48		3
18	Towards a microcoil for intracranial and intraductal MR microscopy. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2008 , 2008, 2047-50	0.9	3
17	Structural and Functional Connectivity of Visual Cortex in Schizophrenia and Bipolar Disorder: A Graph-Theoretic Analysis. <i>Schizophrenia Bulletin Open</i> , 2020 , 1, sgaa056	2.2	3
16	Opinion: Advancing neuroscience interactions with Cuba. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 5859-61	11.5	2
15	Chronic exposure to Mn inhalation may have lasting effects: A physiologically-based toxicokinetic model in rats. <i>Toxicological and Environmental Chemistry</i> , 2010 , 92, 279-299	1.4	2
14	Reliability of additional reported seizure manifestations to identify dissociative seizures. <i>Epilepsy and Behavior</i> , 2021 , 115, 107696	3.2	2
13	Modulation of attention and stress with arousal: The mental and physical effects of riding a motorcycle. <i>Brain Research</i> , 2021 , 1752, 147203	3.7	2
12	A minority of patients with functional seizures have abnormalities on neuroimaging. <i>Journal of the Neurological Sciences</i> , 2021 , 427, 117548	3.2	2
11	Using insurance claims to predict and improve hospitalizations and biologics use in members with inflammatory bowel diseases. <i>Journal of Biomedical Informatics</i> , 2018 , 81, 93-101	10.2	1
10	Bad advice, not young scientists, should hit the road. <i>Science</i> , 2012 , 335, 794	33.3	1
9	Common component classification: what can we learn from machine learning?. <i>NeuroImage</i> , 2011 , 56, 517-24	7.9	1
8	Equipment requirements to facilitate contrast-enhanced MR imaging. <i>Magnetic Resonance in Medicine</i> , 1991 , 22, 273-9; discussion 280-1	4.4	1
7	Reducing clinical trial costs by detecting and measuring the placebo effect and treatment effect using brain imaging. <i>Studies in Health Technology and Informatics</i> , 2013 , 184, 6-12	0.5	1
6	Spatiotemporal Feature Selection Improves Prediction Accuracy of Multi-Voxel Pattern Classification		1
5	Temporal embedding and spatiotemporal feature selection boost multi-voxel pattern analysis decoding accuracy. <i>Journal of Neuroscience Methods</i> , 2020 , 345, 108836	3	1
4	Histological examination of focused ultrasound effects on human brain tissue. <i>Brain Stimulation</i> , 2021 , 14, 1486-1488	5.1	1
3	Cross-diagnostic Prediction of Dimensional Psychiatric Phenotypes in Anorexia Nervosa and Body Dysmorphic Disorder Using Multimodal Neuroimaging and Psychometric Data. <i>Lecture Notes in Computer Science</i> , 2018 , 92-99	0.9	0
2	Measurement of Neurophysiological Signals of Ignoring and Attending Processes in Attention Control. <i>Journal of Visualized Experiments</i> , 2015 , e52958	1.6	

- 1 ECHO-PLANAR MAGNETIC RESONANCE ANGIOGRAPHY. *Magnetic Resonance Imaging Clinics of North America*, **1993**, 1, 359-365 1.6