

James M Brown

List of Publications by Citations

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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.

49
papers

2,427
citations

20
h-index

49
g-index

57
ext. papers

3,272
ext. citations

6.5
avg, IF

4.44
L-index

#	Paper	IF	Citations
49	High-throughput discovery of novel developmental phenotypes. <i>Nature</i> , 2016 , 537, 508-514	50.4	608
48	Automated Diagnosis of Plus Disease in Retinopathy of Prematurity Using Deep Convolutional Neural Networks. <i>JAMA Ophthalmology</i> , 2018 , 136, 803-810	3.9	246
47	Suitability of endobronchial ultrasound-guided transbronchial needle aspiration specimens for subtyping and genotyping of non-small cell lung cancer: a multicenter study of 774 patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012 , 185, 1316-22	10.2	196
46	Disease model discovery from 3,328 gene knockouts by The International Mouse Phenotyping Consortium. <i>Nature Genetics</i> , 2017 , 49, 1231-1238	36.3	145
45	Distributed deep learning networks among institutions for medical imaging. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2018 , 25, 945-954	8.6	137
44	Rapid Expansion of Human Epithelial Stem Cells Suitable for Airway Tissue Engineering. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016 , 194, 156-68	10.2	121
43	Stochastic homeostasis in human airway epithelium is achieved by neutral competition of basal cell progenitors. <i>ELife</i> , 2013 , 2, e00966	8.9	87
42	Combination of endobronchial ultrasound-guided transbronchial needle aspiration with standard bronchoscopic techniques for the diagnosis of stage I and stage II pulmonary sarcoidosis. <i>Respirology</i> , 2011 , 16, 467-72	3.6	82
41	NCOG-04. EFFECTS OF PROTON RADIATION ON BRAIN STRUCTURE AND FUNCTION IN LOW GRADE GLIOMA. <i>Neuro-Oncology</i> , 2018 , 20, vi173-vi173	1	78
40	NIMG-68. MRI CHANGES IN NEWLY DIAGNOSED GLIOBLASTOMA PATIENTS TREATED AS PART OF A PHASE II TRIAL WITH BAVITUXIMAB, RADIATION, AND TEMOZOLOMIDE. <i>Neuro-Oncology</i> , 2018 , 20, vi191-vi191	1	78
39	ISLES 2016 and 2017-Benchmarking Ischemic Stroke Lesion Outcome Prediction Based on Multispectral MRI. <i>Frontiers in Neurology</i> , 2018 , 9, 679	4.1	77
38	Automatic assessment of glioma burden: a deep learning algorithm for fully automated volumetric and bidimensional measurement. <i>Neuro-Oncology</i> , 2019 , 21, 1412-1422	1	76
37	The magnocellular visual system and schizophrenia: what can the color red tell us?. <i>Schizophrenia Research</i> , 2003 , 63, 273-84	3.6	53
36	Evaluation of a deep learning image assessment system for detecting severe retinopathy of prematurity. <i>British Journal of Ophthalmology</i> , 2018 ,	5.5	53
35	Monitoring Disease Progression With a Quantitative Severity Scale for Retinopathy of Prematurity Using Deep Learning. <i>JAMA Ophthalmology</i> , 2019 ,	3.9	43
34	Automated Fundus Image Quality Assessment in Retinopathy of Prematurity Using Deep Convolutional Neural Networks. <i>Ophthalmology Retina</i> , 2019 , 3, 444-450	3.8	31
33	Siamese neural networks for continuous disease severity evaluation and change detection in medical imaging. <i>Npj Digital Medicine</i> , 2020 , 3, 48	15.7	31

32	A Quantitative Severity Scale for Retinopathy of Prematurity Using Deep Learning to Monitor Disease Regression After Treatment. <i>JAMA Ophthalmology</i> , 2019 ,	3.9	31
31	Schizophrenia and red light: fMRI evidence for a novel biobehavioral marker. <i>International Journal of Neuroscience</i> , 2006 , 116, 881-94	2	25
30	A mouse informatics platform for phenotypic and translational discovery. <i>Mammalian Genome</i> , 2015 , 26, 413-21	3.2	20
29	Machine Learning Models can Detect Aneurysm Rupture and Identify Clinical Features Associated with Rupture. <i>World Neurosurgery</i> , 2019 , 131, e46-e51	2.1	20
28	Functional magnetic resonance imaging examination of the magnocellular visual pathway in nonpsychotic relatives of persons with schizophrenia. <i>Schizophrenia Research</i> , 2004 , 71, 509-10	3.6	14
27	Evaluation of artificial intelligence-based telemedicine screening for retinopathy of prematurity. <i>Journal of AAPOS</i> , 2020 , 24, 160-162	1.3	12
26	Fully automated disease severity assessment and treatment monitoring in retinopathy of prematurity using deep learning 2018 ,		12
25	Radiomics Repeatability Pitfalls in a Scan-Rescan MRI Study of Glioblastoma. <i>Radiology: Artificial Intelligence</i> , 2021 , 3, e190199	8.7	12
24	Classification and comparison via neural networks. <i>Neural Networks</i> , 2019 , 118, 65-80	9.1	11
23	Aggressive Posterior Retinopathy of Prematurity: Clinical and Quantitative Imaging Features in a Large North American Cohort. <i>Ophthalmology</i> , 2020 , 127, 1105-1112	7.3	11
22	The effect of a red background on location backward masking by structure. <i>Perception & Psychophysics</i> , 2008 , 70, 503-7		11
21	DeepNeuro: an open-source deep learning toolbox for neuroimaging. <i>Neuroinformatics</i> , 2021 , 19, 127-140	9.2	11
20	Detection and characterisation of bone destruction in murine rheumatoid arthritis using statistical shape models. <i>Medical Image Analysis</i> , 2017 , 40, 30-43	15.4	10
19	The path of visual attention. <i>Acta Psychologica</i> , 2006 , 121, 199-209	1.7	10
18	Plus Disease in Retinopathy of Prematurity: Convolutional Neural Network Performance Using a Combined Neural Network and Feature Extraction Approach. <i>Translational Vision Science and Technology</i> , 2020 , 9, 10	3.3	9
17	Evaluation of a Deep Learning-Derived Quantitative Retinopathy of Prematurity Severity Scale. <i>Ophthalmology</i> , 2021 , 128, 1070-1076	7.3	9
16	When do you look where you look? A visual field asymmetry. <i>Vision Research</i> , 2014 , 102, 33-40	2.1	8
15	Deep Learning for Image Quality Assessment of Fundus Images in Retinopathy of Prematurity 2018 , 2018, 1224-1232	0.7	8

14	Applications of Artificial Intelligence for Retinopathy of Prematurity Screening. <i>Pediatrics</i> , 2021 , 147,	7.4	8
13	A bioimage informatics platform for high-throughput embryo phenotyping. <i>Briefings in Bioinformatics</i> , 2018 , 19, 41-51	13.4	6
12	Effects of endogenous spatial attention on the detection and discrimination of spatial frequencies. <i>Perception</i> , 2006 , 35, 193-200	1.2	5
11	Sequential neural networks for biologically informed glioma segmentation 2018 ,		5
10	Variability in Plus Disease Identified Using a Deep Learning-Based Retinopathy of Prematurity Severity Scale. <i>Ophthalmology Retina</i> , 2020 , 4, 1016-1021	3.8	4
9	Magnocellular and parvocellular pathway influences on location-based inhibition-of-return. <i>Perception</i> , 2012 , 41, 319-38	1.2	2
8	Comparative visualization of genotype-phenotype relationships. <i>Nature Methods</i> , 2015 , 12, 698-9	21.6	1
7	Anatomical DCE-MRI phantoms generated from glioma patient data 2018 ,		1
6	Does insulin therapy lead to an increased risk of cancer in type 2 diabetes mellitus?. <i>Practical Diabetes International: the International Journal for Diabetes Care Teams Worldwide</i> , 2005 , 22, 77-78		0
5	The object advantage can be eliminated under equiluminant conditions. <i>Psychonomic Bulletin and Review</i> , 2014 , 21, 1459-64	4.1	
4	NIMG-05. ADVANCED IMAGING TO ASSESS LONGITUDINAL VASCULAR CHANGES IN BRAIN METASTASES TREATED WITH CHECKPOINT INHIBITION. <i>Neuro-Oncology</i> , 2020 , 22, ii147-ii147	1	
3	Proximity Sensing Using IEEE 802.15.4 Radios. <i>Lecture Notes in Computer Science</i> , 2006 , 248-249	0.9	
2	3D Articulated Registration of the Mouse Hind Limb for Bone Morphometric Analysis in Rheumatoid Arthritis. <i>Lecture Notes in Computer Science</i> , 2014 , 41-50	0.9	
1	Deep learning for computer-aided diagnosis in ophthalmology: a review 2021 , 219-237		