

Natalie M Schenker

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,988
citations

471061

17
h-index

580395

25
g-index

27
all docs

27
docs citations

27
times ranked

2650
citing authors

#	ARTICLE	IF	CITATIONS
1	Humans and great apes share a large frontal cortex. <i>Nature Neuroscience</i> , 2002, 5, 272-276.	7.1	519
2	A morphometric analysis of auditory brain regions in congenitally deaf adults. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 10049-10054.	3.3	182
3	Diffusion-Weighted Imaging in Cancer: Physical Foundations and Applications of Restriction Spectrum Imaging. <i>Cancer Research</i> , 2014, 74, 4638-4652.	0.4	179
4	Broca's Area Homologue in Chimpanzees (<i>Pan troglodytes</i>): Probabilistic Mapping, Asymmetry, and Comparison to Humans. <i>Cerebral Cortex</i> , 2010, 20, 730-742.	1.6	169
5	Postmortem examination of patient H.M.'s brain based on histological sectioning and digital 3D reconstruction. <i>Nature Communications</i> , 2014, 5, 3122.	5.8	136
6	Reduced minicolumns in the frontal cortex of patients with autism. <i>Neuropathology and Applied Neurobiology</i> , 2006, 32, 483-491.	1.8	122
7	Neural connectivity and cortical substrates of cognition in hominoids. <i>Journal of Human Evolution</i> , 2005, 49, 547-569.	1.3	108
8	A comparative quantitative analysis of cytoarchitecture and minicolumnar organization in Broca's area in humans and great apes. <i>Journal of Comparative Neurology</i> , 2008, 510, 117-128.	0.9	106
9	Precision medicine integrating whole-genome sequencing, comprehensive metabolomics, and advanced imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3053-3062.	3.3	85
10	Gray matter asymmetries in chimpanzees as revealed by voxel-based morphometry. <i>NeuroImage</i> , 2008, 42, 491-497.	2.1	61
11	Evidence for evolutionary specialization in human limbic structures. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 277.	1.0	59
12	Restriction spectrum imaging: An evolving imaging biomarker in prostate MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 323-336.	1.9	42
13	Novel technique for characterizing prostate cancer utilizing MRI restriction spectrum imaging: proof of principle and initial clinical experience with extraprostatic extension. <i>Prostate Cancer and Prostatic Diseases</i> , 2015, 18, 81-85.	2.0	31
14	Prostate diffusion imaging with distortion correction. <i>Magnetic Resonance Imaging</i> , 2015, 33, 1178-1181.	1.0	29
15	An unsupervised learning approach to identify novel signatures of health and disease from multimodal data. <i>Genome Medicine</i> , 2020, 12, 7.	3.6	27
16	MRI-Derived Restriction Spectrum Imaging Cellularity Index is Associated with High Grade Prostate Cancer on Radical Prostatectomy Specimens. <i>Frontiers in Oncology</i> , 2015, 5, 30.	1.3	20
17	Demonstration of Non-Gaussian Restricted Diffusion in Tumor Cells Using Diffusion Time-Dependent Diffusion-Weighted Magnetic Resonance Imaging Contrast. <i>Frontiers in Oncology</i> , 2016, 6, 179.	1.3	20
18	Restriction spectrum imaging improves MRI-based prostate cancer detection. <i>Abdominal Radiology</i> , 2016, 41, 946-953.	1.0	20

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19	Voxel Level Radiologic Pathologic Validation of Restriction Spectrum Imaging Cellularity Index with Gleason Grade in Prostate Cancer. <i>Clinical Cancer Research</i> , 2016, 22, 2668-2674.	3.2	19
20	In vivo prostate cancer detection and grading using restriction spectrum imaging-MRI. <i>Prostate Cancer and Prostatic Diseases</i> , 2016, 19, 168-173.	2.0	16
21	A Voxel-Based Morphometry Analysis of White Matter Asymmetries in Chimpanzees (<i>Pan</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 622 T	0.9	13
22	Neocortical synaptophysin asymmetry and behavioral lateralization in chimpanzees (<i>Pan</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 T	1.2	9
23	Cortical mapping by magnetic resonance imaging (MRI) and quantitative cytological analysis in the human brain: A feasibility study in the fusiform gyrus. <i>Journal of Neuroscience Methods</i> , 2013, 218, 9-16.	1.3	6
24	Microstructural Asymmetries of the Cerebral Cortex in Humans and Other Mammals. <i>Special Topics in Primatology</i> , 2007, 5, 92-118.	0.3	4
25	Correction: Diffusion-Weighted Imaging in Cancer: Physical Foundations and Applications of Restriction Spectrum Imaging. <i>Cancer Research</i> , 2014, 74, 6733-6733.	0.4	3