

Oded Gonen

List of Publications by Year in Descending Order

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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.

87
papers

2,202
citations

30
h-index

44
g-index

91
ext. papers

2,432
ext. citations

5.8
avg, IF

4.46
L-index

#	Paper	IF	Citations
87	Patient-reported exposures and outcomes link the gut-brain axis and inflammatory pathways to specific symptoms of severe mental illness.. <i>Psychiatry Research</i> , 2022 , 312, 114526	9.9	0
86	An integrative study of the microbiome gut-brain-axis and hippocampal inflammation in psychosis: Persistent effects from mode of birth. <i>Schizophrenia Research</i> , 2021 ,	3.6	2
85	Fast, regional three-dimensional hybrid (1D-Hadamard 2D-rosette) proton MR spectroscopic imaging in the human temporal lobes. <i>NMR in Biomedicine</i> , 2021 , 34, e4507	4.4	2
84	MR spectroscopic imaging at 3 T and outcomes in surgical epilepsy. <i>NMR in Biomedicine</i> , 2021 , 34, e4492	4.4	1
83	Preliminary Findings Associate Hippocampal H-MR Spectroscopic Metabolite Concentrations with Psychotic and Manic Symptoms in Patients with Schizophrenia. <i>American Journal of Neuroradiology</i> , 2021 , 42, 88-93	4.4	2
82	Global brain volume and N-acetyl-aspartate decline over seven decades of normal aging. <i>Neurobiology of Aging</i> , 2021 , 98, 42-51	5.6	2
81	Differentiation of Jugular Foramen Paragangliomas versus Schwannomas Using Golden-Angle Radial Sparse Parallel Dynamic Contrast-Enhanced MRI. <i>American Journal of Neuroradiology</i> , 2021 , 42, 1847-1852	4.4	1
80	Hippocampal metabolite concentrations in schizophrenia vary in association with rare gene variants in the TRIO gene. <i>Schizophrenia Research</i> , 2020 , 224, 167-169	3.6	1
79	Quantitative multivoxel proton MR spectroscopy for the identification of white matter abnormalities in mild traumatic brain injury: Comparison between regional and global analysis. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 50, 1424-1432	5.6	3
78	Whole brain neuronal abnormalities in focal epilepsy quantified with proton MR spectroscopy. <i>Epilepsy Research</i> , 2018 , 139, 85-91	3	6
77	Diagnosis of Normal-Pressure Hydrocephalus: Use of Traditional Measures in the Era of Volumetric MR Imaging. <i>Radiology</i> , 2017 , 285, 197-205	20.5	56
76	Role of High-Resolution Dynamic Contrast-Enhanced MRI with Golden-Angle Radial Sparse Parallel Reconstruction to Identify the Normal Pituitary Gland in Patients with Macroadenomas. <i>American Journal of Neuroradiology</i> , 2017 , 38, 1117-1121	4.4	11
75	Proton MR spectroscopy of lesion evolution in multiple sclerosis: Steady-state metabolism and its relationship to conventional imaging. <i>Human Brain Mapping</i> , 2017 , 38, 4047-4063	5.9	12
74	Global brain metabolic quantification with whole-head proton MRS at 3T. <i>NMR in Biomedicine</i> , 2017 , 30, e3754	4.4	2
73	Quantifying global-brain metabolite level changes with whole-head proton MR spectroscopy at 3T. <i>Magnetic Resonance Imaging</i> , 2017 , 35, 15-19	3.3	4
72	Hypo-metabolism of the rostral anterior cingulate cortex associated with working memory impairment in 18 cases of schizophrenia. <i>Brain Imaging and Behavior</i> , 2016 , 10, 115-23	4.1	9
71	Prefrontal neuronal integrity predicts symptoms and cognition in schizophrenia and is sensitive to genetic heterogeneity. <i>Schizophrenia Research</i> , 2016 , 172, 94-100	3.6	8

70	Metabolic Abnormalities in the Hippocampus of Patients with Schizophrenia: A 3D Multivoxel MR Spectroscopic Imaging Study at 3T. <i>American Journal of Neuroradiology</i> , 2016 , 37, 2273-2279	4.4	10
69	MR Imaging Applications in Mild Traumatic Brain Injury: An Imaging Update. <i>Radiology</i> , 2016 , 279, 693-706.	7.5	39
68	N-acetyl-aspartate levels correlate with intra-axonal compartment parameters from diffusion MRI. <i>NeuroImage</i> , 2015 , 118, 334-43	7.9	25
67	Global N-acetylaspartate in normal subjects, mild cognitive impairment and Alzheimer's disease patients. <i>Journal of Alzheimer's Disease</i> , 2015 , 43, 939-47	4.3	18
66	Studying Aging, Dementia, Trauma, Infection, and Developmental Disorders of the Brain with 1H MRS 2015 , 751-766		1
65	Spectroscopic localization by simultaneous acquisition of the double-spin and stimulated echoes. <i>Magnetic Resonance in Medicine</i> , 2015 , 73, 31-43	4.4	8
64	Automated whole-brain N-acetylaspartate proton MRS quantification. <i>NMR in Biomedicine</i> , 2014 , 27, 1275-84	4.4	7
63	Three-dimensional Hadamard-encoded proton spectroscopic imaging in the human brain using time-cascaded pulses at 3 Tesla. <i>Magnetic Resonance in Medicine</i> , 2014 , 72, 923-33	4.4	5
62	Myoinositol and glutamate complex neurometabolite abnormality after mild traumatic brain injury. <i>Neurology</i> , 2014 , 82, 521-8	6.5	45
61	In vivo free induction decay based 3D multivoxel longitudinal hadamard spectroscopic imaging in the human brain at 3 T. <i>Magnetic Resonance in Medicine</i> , 2013 , 69, 903-11	4.4	5
60	Brain MR spectroscopic abnormalities in "MRI-negative" tuberous sclerosis complex patients. <i>Epilepsy and Behavior</i> , 2013 , 27, 319-25	3.2	4
59	Global gray and white matter metabolic changes after simian immunodeficiency virus infection in CD8-depleted rhesus macaques: proton MRS imaging at 3 T. <i>NMR in Biomedicine</i> , 2013 , 26, 480-8	4.4	5
58	Global N-acetylaspartate concentration in benign and non-benign multiple sclerosis patients of long disease duration. <i>European Journal of Radiology</i> , 2013 , 82, e848-52	4.7	9
57	Proton MR spectroscopy correlates diffuse axonal abnormalities with post-concussive symptoms in mild traumatic brain injury. <i>Journal of Neurotrauma</i> , 2013 , 30, 1200-4	5.4	50
56	Non-spin-echo 3D transverse hadamard encoded proton spectroscopic imaging in the human brain. <i>Magnetic Resonance in Medicine</i> , 2013 , 70, 7-15	4.4	5
55	Diffuse axonal injury in mild traumatic brain injury: a 3D multivoxel proton MR spectroscopy study. <i>Journal of Neurology</i> , 2013 , 260, 242-52	5.5	50
54	Serial proton MR spectroscopy of gray and white matter in relapsing-remitting MS. <i>Neurology</i> , 2013 , 80, 39-46	6.5	61
53	Localization errors in MR spectroscopic imaging due to the drift of the main magnetic field and their correction. <i>Magnetic Resonance in Medicine</i> , 2013 , 70, 895-904	4.4	12

52	Structure-specific glial response in a macaque model of neuroAIDS: multivoxel proton magnetic resonance spectroscopic imaging at 3 Tesla. <i>Aids</i> , 2013 , 27, 2519-28	3.5	5
51	Longitudinal inter- and intra-individual human brain metabolic quantification over 3 years with proton MR spectroscopy at 3 T. <i>Magnetic Resonance in Medicine</i> , 2012 , 67, 27-33	4.4	22
50	The whole-brain N-acetylaspartate correlates with education in normal adults. <i>Psychiatry Research - Neuroimaging</i> , 2012 , 204, 49-54	2.9	6
49	Whole brain N-acetylaspartate concentration is conserved throughout normal aging. <i>Neurobiology of Aging</i> , 2012 , 33, 2440-7	5.6	21
48	The role of gray and white matter segmentation in quantitative proton MR spectroscopic imaging. <i>NMR in Biomedicine</i> , 2012 , 25, 1392-400	4.4	42
47	Cross-sectional and longitudinal reproducibility of rhesus macaque brain metabolites: a proton MR spectroscopy study at 3 T. <i>Magnetic Resonance in Medicine</i> , 2011 , 65, 1522-31	4.4	4
46	Multivoxel proton MR spectroscopy used to distinguish anterior cingulate metabolic abnormalities in patients with schizophrenia. <i>Radiology</i> , 2011 , 261, 542-50	20.5	7
45	Brain metabolite proton T2 mapping at 3.0 T in relapsing-remitting multiple sclerosis. <i>Radiology</i> , 2010 , 254, 858-66	20.5	13
44	The kynurenine pathway in adolescent depression: preliminary findings from a proton MR spectroscopy study. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2010 , 34, 37-44	5.5	39
43	Brain metabolites B1-corrected proton T1 mapping in the rhesus macaque at 3 T. <i>Magnetic Resonance in Medicine</i> , 2010 , 63, 865-71	4.4	7
42	Metabolite proton T(2) mapping in the healthy rhesus macaque brain at 3 T. <i>Magnetic Resonance in Medicine</i> , 2009 , 62, 1292-9	4.4	5
41	On the voxel size and magnetic field strength dependence of spectral resolution in magnetic resonance spectroscopy. <i>Magnetic Resonance Imaging</i> , 2009 , 27, 222-32	3.3	10
40	Retrospective correction for T1-weighting bias in T2 values obtained with various spectroscopic spin-echo acquisition schemes. <i>Magnetic Resonance Imaging</i> , 2009 , 27, 1410-9	3.3	4
39	Memantine decreases hippocampal glutamate levels: a magnetic resonance spectroscopy study. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2008 , 32, 1005-12	5.5	22
38	Global average gray and white matter N-acetylaspartate concentration in the human brain. <i>NeuroImage</i> , 2008 , 41, 270-6	7.9	30
37	Anteroposterior hippocampal metabolic heterogeneity: three-dimensional multivoxel proton 1H MR spectroscopic imaging--initial findings. <i>Radiology</i> , 2008 , 249, 242-50	20.5	19
36	The optimal MR acquisition strategy for exponential decay constants estimation. <i>Magnetic Resonance Imaging</i> , 2008 , 26, 433-5	3.3	20
35	Proton MR spectroscopic imaging of rhesus macaque brain in vivo at 7T. <i>Magnetic Resonance in Medicine</i> , 2008 , 59, 692-9	4.4	6

34	Regional metabolite T2 in the healthy rhesus macaque brain at 7T. <i>Magnetic Resonance in Medicine</i> , 2008 , 59, 1165-9	4.4	7
33	Voxel-shift and interpolation for hadamard-encoded MR images. <i>Magnetic Resonance in Medicine</i> , 2008 , 60, 524-35	4.4	6
32	Age dependence of regional proton metabolites T2 relaxation times in the human brain at 3 T. <i>Magnetic Resonance in Medicine</i> , 2008 , 60, 790-5	4.4	55
31	TriTone: a radiofrequency field (B1)-insensitive T1 estimator for MRI at high magnetic fields. <i>Magnetic Resonance Imaging</i> , 2008 , 26, 781-9	3.3	16
30	Optimizing the precision-per-unit-time of quantitative MR metrics: examples for T1, T2, and DTI. <i>Magnetic Resonance in Medicine</i> , 2007 , 57, 380-7	4.4	30
29	Human brain-structure resolved T(2) relaxation times of proton metabolites at 3 Tesla. <i>Magnetic Resonance in Medicine</i> , 2007 , 57, 983-9	4.4	50
28	Chemical-shift artifact reduction in Hadamard-encoded MR spectroscopic imaging at high (3T and 7T) magnetic fields. <i>Magnetic Resonance in Medicine</i> , 2007 , 58, 167-73	4.4	33
27	Lateralized caudate metabolic abnormalities in adolescent major depressive disorder: a proton MR spectroscopy study. <i>American Journal of Psychiatry</i> , 2007 , 164, 1881-9	11.9	87
26	Characterizing mild traumatic brain injury with proton MR spectroscopy in the thalamus: Initial findings. <i>Brain Injury</i> , 2007 , 21, 1147-54	2.1	44
25	Reducing voxel bleed in Hadamard-encoded MRI and MRS. <i>Magnetic Resonance in Medicine</i> , 2006 , 55, 1460-5	4.4	22
24	Robust fully automated shimming of the human brain for high-field 1H spectroscopic imaging. <i>Magnetic Resonance in Medicine</i> , 2006 , 56, 26-33	4.4	54
23	Optimizing the efficiency of high-field multivoxel spectroscopic imaging by multiplexing in space and time. <i>Magnetic Resonance in Medicine</i> , 2006 , 56, 34-40	4.4	44
22	Relapsing-remitting multiple sclerosis: metabolic abnormality in nonenhancing lesions and normal-appearing white matter at MR imaging: initial experience. <i>Radiology</i> , 2005 , 234, 211-7	20.5	45
21	Assessing global invasion of newly diagnosed glial tumors with whole-brain proton MR spectroscopy. <i>American Journal of Neuroradiology</i> , 2005 , 26, 2170-7	4.4	30
20	Brain compression without global neuronal loss in meningiomas: whole-brain proton MR spectroscopy report of 2 cases. <i>American Journal of Neuroradiology</i> , 2005 , 26, 2178-82	4.4	6
19	Dilated perivascular spaces: hallmarks of mild traumatic brain injury. <i>American Journal of Neuroradiology</i> , 2005 , 26, 719-24	4.4	64
18	MR imaging and proton spectroscopy of neuronal injury in late-onset GM2 gangliosidosis. <i>American Journal of Neuroradiology</i> , 2005 , 26, 2037-42	4.4	24
17	Indirect evidence for early widespread gray matter involvement in relapsing-remitting multiple sclerosis. <i>NeuroImage</i> , 2004 , 21, 1825-9	7.9	84

16	Diffusely elevated cerebral choline and creatine in relapsing-remitting multiple sclerosis. <i>Magnetic Resonance in Medicine</i> , 2003 , 50, 190-5	4.4	97
15	Metabolite ratios to assumed stable creatine level may confound the quantification of proton brain MR spectroscopy. <i>Magnetic Resonance Imaging</i> , 2003 , 21, 923-8	3.3	144
14	Whole-brain N-acetylaspartate level and cognitive performance in HIV infection. <i>American Journal of Neuroradiology</i> , 2003 , 24, 1587-91	4.4	16
13	Brain metabolite profiles of T1-hypointense lesions in relapsing-remitting multiple sclerosis. <i>American Journal of Neuroradiology</i> , 2003 , 24, 68-74	4.4	22
12	Reproducibility of 3D proton spectroscopy in the human brain. <i>Magnetic Resonance in Medicine</i> , 2002 , 47, 439-46	4.4	59
11	Relapsing-remitting multiple sclerosis and whole-brain N-acetylaspartate measurement: evidence for different clinical cohorts initial observations. <i>Radiology</i> , 2002 , 225, 261-8	20.5	34
10	SNR versus resolution in 3D 1H MRS of the human brain at high magnetic fields. <i>Magnetic Resonance in Medicine</i> , 2001 , 46, 1049-53	4.4	56
9	Quantifying radiation therapy-induced brain injury with whole-brain proton MR spectroscopy: initial observations. <i>Radiology</i> , 2001 , 221, 327-31	20.5	32
8	The accuracy of whole brain N-acetylaspartate quantification. <i>Magnetic Resonance Imaging</i> , 2000 , 18, 1255-8	3.3	25
7	3D multivoxel proton spectroscopy of human brain using a hybrid of 8th-order Hadamard encoding with 2D chemical shift imaging. <i>Magnetic Resonance in Medicine</i> , 1998 , 39, 34-40	4.4	44
6	Total brain N-acetylaspartate concentration in normal, age-grouped females: quantitation with non-echo proton NMR spectroscopy. <i>Magnetic Resonance in Medicine</i> , 1998 , 40, 684-9	4.4	72
5	In vivo phosphorus polarization transfer and decoupling from protons in three-dimensional localized nuclear magnetic resonance spectroscopy of human brain. <i>Magnetic Resonance in Medicine</i> , 1997 , 37, 301-6	4.4	30
4	Simultaneous 3D NMR spectroscopy of proton-decoupled fluorine and phosphorus in human liver during 5-fluorouracil chemotherapy. <i>Magnetic Resonance in Medicine</i> , 1997 , 37, 164-9	4.4	21
3	3D localized in vivo 1H spectroscopy of human brain by using a hybrid of 1D-Hadamard with 2D-chemical shift imaging. <i>Magnetic Resonance in Medicine</i> , 1997 , 37, 644-50	4.4	45
2	Heteronuclear multivoxel spectroscopy of in vivo human brain: two-dimensional proton interleaved with three-dimensional 1H-decoupled phosphorus chemical shift imaging. <i>NMR in Biomedicine</i> , 1996 , 9, 105-13	4.4	6
1	Hybrid three dimensional (1D-Hadamard, 2D-chemical shift imaging) phosphorus localized spectroscopy of phantom and human brain. <i>Magnetic Resonance in Medicine</i> , 1995 , 33, 300-8	4.4	35