

# Vivek Tiwari

## List of Publications by Year in descending order

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26  
papers

642  
citations

623734

14  
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642732

23  
g-index

26  
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docs citations

26  
times ranked

1079  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of spectrally selective 180° radiofrequency pulse timings in J-difference editing (MEGA) of lactate. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 1150-1164.	3.0	2
2	Spectral fitting strategy to overcome the overlap between 2-hydroxyglutarate and lipid resonances at 2.25 ppm. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1818-1828.	3.0	7
3	NIMG-29. ELEVATION OF GLUTAMINE AND CITRATE BY MR SPECTROSCOPY IS AN IMAGING BIOMARKER OF RAPID CELL PROLIFERATION IN GLIOMAS. <i>Neuro-Oncology</i> , 2021, 23, vi135-vi135.	1.2	0
4	Glycine by MR spectroscopy is an imaging biomarker of glioma aggressiveness. <i>Neuro-Oncology</i> , 2020, 22, 1018-1029.	1.2	37
5	In vivo MRS measurement of 2-hydroxyglutarate in patient-derived IDH-mutant xenograft mouse models versus glioma patients. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1152-1160.	3.0	11
6	NIMG-13. GLYCINE IS A METABOLIC BIOMARKER OF MALIGNANCY IN GLIOMAS: IN VIVO MAGNETIC RESONANCE SPECTROSCOPY STUDY. <i>Neuro-Oncology</i> , 2019, 21, vi164-vi164.	1.2	0
7	NIMG-08. 2-HYDROXYGLUTARATE MAGNETIC RESONANCE SPECTROSCOPY IN BRAINSTEM TUMOR PATIENTS IN VIVO. <i>Neuro-Oncology</i> , 2019, 21, vi163-vi163.	1.2	0
8	3D high-resolution imaging of 2-hydroxyglutarate in glioma patients using DRAG-EPSI at 3T in vivo. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 795-802.	3.0	9
9	Distinction of the GABA 2.29 ppm resonance using triple refocusing at 3T in vivo. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 1307-1319.	3.0	6
10	Increased astroglial activity and reduced neuronal function across brain in A <sup>2</sup> PP-PS1 mouse model of Alzheimer's disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 1213-1226.	4.3	21
11	Echo-planar spectroscopic imaging with dual-readout alternated gradients (DRAG-EPSI) at 7T: Application for 2-hydroxyglutarate imaging in glioma patients. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1851-1861.	3.0	30
12	In vivo detection of 2-hydroxyglutarate in brain tumors by optimized point-resolved spectroscopy (PRESS) at 7T. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 936-944.	3.0	40
13	Amalaki Rasayana improved memory and neuronal metabolic activity in A <sup>2</sup> PP-PS1 mouse model of Alzheimer's disease. <i>Journal of Biosciences</i> , 2017, 42, 363-371.	1.1	9
14	Measurement of glycine in healthy and tumorous brain by triple refocusing MRS at 3T in vivo. <i>NMR in Biomedicine</i> , 2017, 30, e3747.	2.8	9
15	Detection of 2-hydroxyglutarate in brain tumors by triple refocusing MR spectroscopy at 3T in vivo. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 40-48.	3.0	28
16	Energetics of Excitatory and Inhibitory Neurotransmission in Aluminum Chloride Model of Alzheimer's Disease: Reversal of Behavioral and Metabolic Deficits by Rasa Sindoor. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 323.	2.9	33
17	Implication of Genetic Deletion of Wdr13 in Mice: Mild Anxiety, Better Performance in Spatial Memory Task, with Upregulation of Multiple Synaptic Proteins. <i>Frontiers in Molecular Neuroscience</i> , 2016, 9, 73.	2.9	22
18	Prospective Longitudinal Analysis of 2-Hydroxyglutarate Magnetic Resonance Spectroscopy Identifies Broad Clinical Utility for the Management of Patients With IDH-Mutant Glioma. <i>Journal of Clinical Oncology</i> , 2016, 34, 4030-4039.	1.6	157

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19	Effect of biomimetic templates on the magneto-structural properties of Fe <sub>3</sub> O <sub>4</sub> nanoparticles. RSC Advances, 2015, 5, 13777-13786.	3.6	15
20	Engineering of gadofluoroprobes: Broad-spectrum applications from cancer diagnosis to therapy. Applied Physics Letters, 2014, 104, 023703.	3.3	3
21	Differential effects of ethanol on regional glutamatergic and GABAergic neurotransmitter pathways in mouse brain. Journal of Neurochemistry, 2014, 128, 628-640.	3.9	34
22	Oligo( <i>p</i> -phenyleneethynylene)-Derived Porous Luminescent Nanoscale Coordination Polymer of Gd <sup>III</sup> : Bimodal Imaging and Nitroaromatic Sensing. Journal of Physical Chemistry C, 2014, 118, 12241-12249.	3.1	36
23	Pyruvate Carboxylase and Pentose Phosphate Fluxes are Reduced in A $\beta$ PP-PS1 Mouse Model of Alzheimer's Disease: A <sup>13</sup> C NMR Study. Journal of Alzheimer's Disease, 2014, 41, 387-399.	2.6	27
24	Glutamatergic and GABAergic TCA Cycle and Neurotransmitter Cycling Fluxes in Different Regions of Mouse Brain. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1523-1531.	4.3	53
25	Multifunctional carbon nanospheres with magnetic and luminescent probes: probable brain theranostic agents. Journal of Materials Chemistry B, 2013, 1, 939-945.	5.8	10
26	Impaired Glutamatergic and GABAergic Function at Early Age in A $\beta$ PP <sup>swe</sup> -PS1 <sup>dE9</sup> Mice: Implications for Alzheimer's Disease. Journal of Alzheimer's Disease, 2012, 28, 765-769.	2.6	43