

Vivek Tiwari

List of Publications by Year in descending order

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papers

642
citations

623734

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docs citations

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1079
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#	ARTICLE	IF	CITATIONS
1	Prospective Longitudinal Analysis of 2-Hydroxyglutarate Magnetic Resonance Spectroscopy Identifies Broad Clinical Utility for the Management of Patients With IDH1-Mutant Glioma. <i>Journal of Clinical Oncology</i> , 2016, 34, 4030-4039.	1.6	157
2	Glutamatergic and GABAergic TCA Cycle and Neurotransmitter Cycling Fluxes in Different Regions of Mouse Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 1523-1531.	4.3	53
3	Impaired Glutamatergic and GABAergic Function at Early Age in A β PPswe-PS1dE9 Mice: Implications for Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2012, 28, 765-769.	2.6	43
4	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
5	Glycine by MR spectroscopy is an imaging biomarker of glioma aggressiveness. <i>Neuro-Oncology</i> , 2020, 22, 1018-1029.	1.2	37
6	Oligo(<i>p</i> -phenyleneethynylene)-Derived Porous Luminescent Nanoscale Coordination Polymer of Gd ^{III} : Bimodal Imaging and Nitroaromatic Sensing. <i>Journal of Physical Chemistry C</i> , 2014, 118, 12241-12249.	3.1	36
7	Differential effects of ethanol on regional glutamatergic and GABAergic neurotransmitter pathways in mouse brain. <i>Journal of Neurochemistry</i> , 2014, 128, 628-640.	3.9	34
8	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
9	Echo-planar spectroscopic imaging with dual-readout alternated gradients (DRAG-EPSI) at 7 T: Application for 2-hydroxyglutarate imaging in glioma patients. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1851-1861.	3.0	30
10	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
11	Pyruvate Carboxylase and Pentose Phosphate Fluxes are Reduced in A β PP-PS1 Mouse Model of Alzheimer's Disease: A 13C NMR Study. <i>Journal of Alzheimer's Disease</i> , 2014, 41, 387-399.	2.6	27
12	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
13	Increased astroglial activity and reduced neuronal function across brain in A β PP-PS1 mouse model of Alzheimer's disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 1213-1226.	4.3	21
14	Effect of biomimetic templates on the magneto-structural properties of Fe ₃ O ₄ nanoparticles. <i>RSC Advances</i> , 2015, 5, 13777-13786.	3.6	15
15	In vivo MRS measurement of 2-hydroxyglutarate in patient-derived IDH1-mutant xenograft mouse models versus glioma patients. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1152-1160.	3.0	11
16	Multifunctional carbon nanospheres with magnetic and luminescent probes: probable brain theranostic agents. <i>Journal of Materials Chemistry B</i> , 2013, 1, 939-945.	5.8	10
17	Amalaki Rasayana improved memory and neuronal metabolic activity in A β PP-PS1 mouse model of Alzheimer's disease. <i>Journal of Biosciences</i> , 2017, 42, 363-371.	1.1	9
18	Measurement of glycine in healthy and tumorous brain by triple-refocusing MRS at 3T <i>in vivo</i> . <i>NMR in Biomedicine</i> , 2017, 30, e3747.	2.8	9

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19	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
20	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
21	Distinction of the GABA 2.29 ppm resonance using triple refocusing at 3 T in vivo. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 1307-1319.	3.0	6
22	Engineering of gadofluoroprobes: Broad-spectrum applications from cancer diagnosis to therapy. <i>Applied Physics Letters</i> , 2014, 104, 023703.	3.3	3
23	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
24	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
25	NIMG-08. 2-HYDROXYGLUTARATE MAGNETIC RESONANCE SPECTROSCOPY IN BRAINSTEM TUMOR PATIENTS IN VIVO. <i>Neuro-Oncology</i> , 2019, 21, vi163-vi163.	1.2	0
26	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