

James Ratnakar

List of Publications by Year in descending order

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Version: 2024-02-01

9
papers

247
citations

1478505

6
h-index

1474206

9
g-index

9
all docs

9
docs citations

9
times ranked

350
citing authors

#	ARTICLE	IF	CITATIONS
1	A concentration-independent method to measure exchange rates in PARACEST agents. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 625-632.	3.0	176
2	Using frequency-labeled exchange transfer to separate out conventional magnetization transfer effects from exchange transfer effects when detecting ParaCEST agents. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 906-911.	3.0	21
3	In vivo imaging of paraCEST agents using frequency labeled exchange transfer <scp>MRI</scp>. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 286-293.	3.0	10
4	Conditions for ¹³ C NMR detection of 2-hydroxyglutarate in tissue extracts from isocitrate dehydrogenase-mutated gliomas. <i>Analytical Biochemistry</i> , 2015, 481, 4-6.	2.4	10
5	Hyperpolarized ¹³ C MR Spectroscopy Depicts in Vivo Effect of Exercise on Pyruvate Metabolism in Human Skeletal Muscle. <i>Radiology</i> , 2021, 300, 626-632.	7.3	10
6	Hepatic gluconeogenesis influences ¹³ C enrichment in lactate in human brain tumors during metabolism of [1,2- ¹³ C]acetate. <i>Neurochemistry International</i> , 2016, 97, 133-136.	3.8	7
7	Elucidating the structural organization of a novel low-density lipoprotein nanoparticle reconstituted with docosahexaenoic acid. <i>Chemistry and Physics of Lipids</i> , 2017, 204, 65-75.	3.2	6
8	Dynamic ¹³ C MR spectroscopy as an alternative to imaging for assessing cerebral metabolism using hyperpolarized pyruvate in humans. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 1136-1149.	3.0	4
9	Hyperpolarized ⁸⁹ Y-EDTMP complex as a chemical shift-based NMR sensor for pH at the physiological range. <i>Journal of Magnetic Resonance</i> , 2020, 320, 106837.	2.1	3