

Ravi Prakash Reddy Nanga

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11654863/publications.pdf>

Version: 2024-02-01

31
papers

1,939
citations

393982

19
h-index

476904

29
g-index

31
all docs

31
docs citations

31
times ranked

2340
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and membrane orientation of IAPP in its natively amidated form at physiological pH in a membrane environment. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 2337-2342.	1.4	229
2	Role of Zinc in Human Islet Amyloid Polypeptide Aggregation. <i>Journal of the American Chemical Society</i> , 2010, 132, 8973-8983.	6.6	212
3	Structures of Rat and Human Islet Amyloid Polypeptide IAPP ¹⁻¹⁹ in Micelles by NMR Spectroscopy. <i>Biochemistry</i> , 2008, 47, 12689-12697.	1.2	161
4	Exchange rates of creatine kinase metabolites: feasibility of imaging creatine by chemical exchange saturation transfer MRI. <i>NMR in Biomedicine</i> , 2012, 25, 1305-1309.	1.6	157
5	Glutamate imaging (GluCEST) lateralizes epileptic foci in nonlesional temporal lobe epilepsy. <i>Science Translational Medicine</i> , 2015, 7, 309ra161.	5.8	156
6	Three-Dimensional Structure and Orientation of Rat Islet Amyloid Polypeptide Protein in a Membrane Environment by Solution NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2009, 131, 8252-8261.	6.6	142
7	Method for high-resolution imaging of creatine in vivo using chemical exchange saturation transfer. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 164-172.	1.9	138
8	A Two-Site Mechanism for the Inhibition of IAPP Amyloidogenesis by Zinc. <i>Journal of Molecular Biology</i> , 2011, 410, 294-306.	2.0	111
9	Mapping glutamate in subcortical brain structures using high-resolution GluCEST MRI. <i>NMR in Biomedicine</i> , 2013, 26, 1278-1284.	1.6	73
10	Lactate Chemical Exchange Saturation Transfer (LATEST) Imaging in vivo: A Biomarker for LDH Activity. <i>Scientific Reports</i> , 2016, 6, 19517.	1.6	62
11	In vivo measurement of glutamate loss is associated with synapse loss in a mouse model of tauopathy. <i>NeuroImage</i> , 2014, 101, 185-192.	2.1	57
12	In vivo Magnetic Resonance Imaging of Tumor Protease Activity. <i>Scientific Reports</i> , 2014, 4, 6081.	1.6	57
13	Glutamate weighted imaging contrast in gliomas with 7-Tesla magnetic resonance imaging. <i>NeuroImage: Clinical</i> , 2019, 22, 101694.	1.4	50
14	Accelerated molecular dynamics simulation analysis of MSI-594 in a lipid bilayer. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 19289-19299.	1.3	46
15	High quality three-dimensional gagCEST imaging of in vivo human knee cartilage at 7 Tesla. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1866-1873.	1.9	44
16	Mapping the alterations in glutamate with GluCEST MRI in a mouse model of dopamine deficiency. <i>Journal of Neurochemistry</i> , 2016, 139, 432-439.	2.1	43
17	Muscle oxidative phosphorylation quantitation using creatine chemical exchange saturation transfer (CrCEST) MRI in mitochondrial disorders. <i>JCI Insight</i> , 2016, 1, e88207.	2.3	38
18	Reproducibility of 2D ^{GluCEST} in healthy human volunteers at 7T. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 2033-2039.	1.9	32

#	ARTICLE	IF	CITATIONS
19	Lisdexamfetamine Effects on Executive Activation and Neurochemistry in Menopausal Women with Executive Function Difficulties. <i>Neuropsychopharmacology</i> , 2017, 42, 437-445.	2.8	23
20	Accelerating GluCEST imaging using deep learning for B ₀ correction. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1724-1733.	1.9	21
21	Recovery kinetics of creatine in mild plantar flexion exercise using 3D creatine CEST imaging at 7 Tesla. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 802-817.	1.9	15
22	Integrating 1H MRS and deuterium labeled glucose for mapping the dynamics of neural metabolism in humans. <i>NeuroImage</i> , 2022, 251, 118977.	2.1	14
23	Glutamate-Weighted CEST Contrast After Removal of Magnetization Transfer Effect in Human Brain and Rat Brain with Tumor. <i>Molecular Imaging and Biology</i> , 2020, 22, 1087-1101.	1.3	11
24	Diminished reward responsiveness is associated with lower reward network GluCEST: an ultra-high field glutamate imaging study. <i>Molecular Psychiatry</i> , 2021, 26, 2137-2147.	4.1	10
25	Glutamate-weighted CEST (gluCEST) imaging for mapping neurometabolism: An update on the state of the art and emerging findings from <i>in vivo</i> applications. <i>NMR in Biomedicine</i> , 2023, 36, .	1.6	9
26	Emerging MR Imaging and Spectroscopic Methods to Study Brain Tumor Metabolism. <i>Frontiers in Neurology</i> , 2022, 13, 789355.	1.1	8
27	Glutaminase catalyzes reaction of Glutamate to GABA. <i>Biochemical and Biophysical Research Communications</i> , 2014, 448, 361-364.	1.0	7
28	Volumetric glutamate imaging (GluCEST) using 7T MRI can lateralize nonlesional temporal lobe epilepsy: A preliminary study. <i>Brain and Behavior</i> , 2021, 11, e02134.	1.0	7
29	Characterizing the neurological phenotype of the hyperinsulinism hyperammonemia syndrome. <i>Orphanet Journal of Rare Diseases</i> , 2022, 17, .	1.2	5
30	Fully automated macromolecule suppressed single voxel glutamate spectroscopy (FAMOUS SVGS). <i>Journal of Translational Medicine</i> , 2016, 14, 220.	1.8	1
31	Editorial: Structural, Metabolic, and Physiologic MR Imaging to Study Glioblastomas. <i>Frontiers in Neurology</i> , 2022, 13, 887027.	1.1	0