

Renuka Sriram

List of Publications by Year in descending order

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38
papers

952
citations

516681

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454934

30
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all docs

38
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38
times ranked

1104
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyperpolarized ¹³ C-Pyruvate Magnetic Resonance Reveals Rapid Lactate Export in Metastatic Renal Cell Carcinomas. <i>Cancer Research</i> , 2013, 73, 529-538.	0.9	95
2	Metabolic Reprogramming and Validation of Hyperpolarized ¹³ C Lactate as a Prostate Cancer Biomarker Using a Human Prostate Tissue Slice Culture Bioreactor. <i>Prostate</i> , 2013, 73, 1171-1181.	2.3	93
3	First hyperpolarized [2- ¹³ C]pyruvate MR studies of human brain metabolism. <i>Journal of Magnetic Resonance</i> , 2019, 309, 106617.	2.1	63
4	Assessing Prostate Cancer Aggressiveness with Hyperpolarized Dual-Agent 3D Dynamic Imaging of Metabolism and Perfusion. <i>Cancer Research</i> , 2017, 77, 3207-3216.	0.9	60
5	Imaging Active Infection in vivo Using D-Amino Acid Derived PET Radiotracers. <i>Scientific Reports</i> , 2017, 7, 7903.	3.3	58
6	[¹¹ C]Para-Aminobenzoic Acid: A Positron Emission Tomography Tracer Targeting Bacteria-Specific Metabolism. <i>ACS Infectious Diseases</i> , 2018, 4, 1067-1072.	3.8	54
7	Sensing Living Bacteria <i>in Vivo</i> Using ¹¹ C-Alanine-Derived ¹¹ C Radiotracers. <i>ACS Central Science</i> , 2020, 6, 155-165.	11.3	48
8	Real-time measurement of hyperpolarized lactate production and efflux as a biomarker of tumor aggressiveness in an MR compatible 3D cell culture bioreactor. <i>NMR in Biomedicine</i> , 2015, 28, 1141-1149.	2.8	43
9	The Role of Lactate Metabolism in Prostate Cancer Progression and Metastases Revealed by Dual-Agent Hyperpolarized ¹³ C MRSI. <i>Cancers</i> , 2019, 11, 257.	3.7	41
10	Measuring Dynamic Changes in the Labile Iron Pool in Vivo with a Reactivity-Based Probe for Positron Emission Tomography. <i>ACS Central Science</i> , 2019, 5, 727-736.	11.3	38
11	Metabolic response of prostate cancer to nicotinamide phosphoribosyltransferase inhibition in a hyperpolarized MR/PET compatible bioreactor. <i>Prostate</i> , 2015, 75, 1601-1609.	2.3	30
12	Monitoring acute metabolic changes in the liver and kidneys induced by fructose and glucose using hyperpolarized [2- ¹³ C]dihydroxyacetone. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 65-73.	3.0	28
13	Non-Invasive Differentiation of Benign Renal Tumors from Clear Cell Renal Cell Carcinomas Using Clinically Translatable Hyperpolarized ¹³ C Pyruvate Magnetic Resonance. <i>Tomography</i> , 2016, 2, 35-42.	1.8	26
14	Clinical translation of hyperpolarized ¹³ C pyruvate and urea MRI for simultaneous metabolic and perfusion imaging. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 138-149.	3.0	23
15	Non-Invasive Assessment of Lactate Production and Compartmentalization in Renal Cell Carcinomas Using Hyperpolarized ¹³ C Pyruvate MRI. <i>Cancers</i> , 2018, 10, 313.	3.7	22
16	Imaging glutathione depletion in the rat brain using ascorbate-derived hyperpolarized MR and PET probes. <i>Scientific Reports</i> , 2018, 8, 7928.	3.3	20
17	Separation of extra- and intracellular metabolites using hyperpolarized ¹³ C diffusion weighted MR. <i>Journal of Magnetic Resonance</i> , 2016, 270, 115-123.	2.1	19
18	Molecular detection of inflammation in cell models using hyperpolarized ¹³ C-pyruvate. <i>Theranostics</i> , 2018, 8, 3400-3407.	10.0	19

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19	Simultaneous Metabolic and Perfusion Imaging Using Hyperpolarized ¹³ C MRI Can Evaluate Early and Dose-Dependent Response to Radiation Therapy in a Prostate Cancer Mouse Model. International Journal of Radiation Oncology Biology Physics, 2020, 107, 887-896.	0.8	18
20	Molecular Imaging of Prostate Cancer Targeting CD46 Using ImmunoPET. Clinical Cancer Research, 2021, 27, 1305-1315.	7.0	18
21	Hyperpolarized <i>in vivo</i> pH imaging reveals grade-dependent acidification in prostate cancer. Oncotarget, 2019, 10, 6096-6110.	1.8	16
22	Elevated Tumor Lactate and Efflux in High-grade Prostate Cancer demonstrated by Hyperpolarized ¹³ C Magnetic Resonance Spectroscopy of Prostate Tissue Slice Cultures. Cancers, 2020, 12, 537.	3.7	14
23	Detection of Bacteria-Specific Metabolism Using Hyperpolarized [¹³ C]Pyruvate. ACS Infectious Diseases, 2018, 4, 797-805.	3.8	13
24	Resistance to Androgen Deprivation Leads to Altered Metabolism in Human and Murine Prostate Cancer Cell and Tumor Models. Metabolites, 2021, 11, 139.	2.9	13
25	Deuterium Metabolic Imaging—Rediscovery of a Spectroscopic Tool. Metabolites, 2021, 11, 570.	2.9	12
26	Assessing high-intensity focused ultrasound treatment of prostate cancer with hyperpolarized ¹³ C dual-agent imaging of metabolism and perfusion. NMR in Biomedicine, 2019, 32, e3962.	2.8	10
27	CUB Domain-Containing Protein 1 (CDCP1) Is a Target for Radioligand Therapy in Castration-Resistant Prostate Cancer, including PSMA Null Disease. Clinical Cancer Research, 2022, 28, 3066-3075.	7.0	10
28	Dynamic UltraFast 2D EXchange Spectroscopy (UF-EXSY) of hyperpolarized substrates. Journal of Magnetic Resonance, 2015, 257, 102-109.	2.1	9
29	Amino Acid-Derived Sensors for Specific Zn ²⁺ Detection Using Hyperpolarized ¹³ C Magnetic Resonance Spectroscopy. Chemistry - A European Journal, 2019, 25, 11842-11846.	3.3	8
30	Using bidirectional chemical exchange for improved hyperpolarized [¹³ C]bicarbonate pH imaging. Magnetic Resonance in Medicine, 2019, 82, 959-972.	3.0	8
31	Measuring glucocorticoid receptor expression <i>in vivo</i> with PET. Oncotarget, 2018, 9, 20399-20408.	1.8	8
32	NMR quantification of lactate production and efflux and glutamate fractional enrichment in living human prostate biopsies cultured with [1,6- ¹³ C ₂]glucose. Magnetic Resonance in Medicine, 2019, 82, 566-576.	3.0	7
33	Modeling hyperpolarized lactate signal dynamics in cells, patient-derived tissue slice cultures and murine models. NMR in Biomedicine, 2021, 34, e4467.	2.8	5
34	In Vivo Profiling with ¹⁸ F-YJH08 Reveals Diverse Tissue Patterns of Antagonist/Glucocorticoid Receptor Interactions. Molecular Pharmaceutics, 2022, 19, 704-709.	4.6	2
35	Using Hyperpolarized NMR to Understand Biochemistry from Cells to Humans. , 2021, , 123-149.		1
36	Deuterium Metabolic Imaging-Rediscovery of a Spectroscopic Tool. Metabolites, 2021, 11, .	2.9	0

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37	HP experimental methods: cells and animals. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2021, 3, 75-91.	0.1	0
38	Defining the Magnetic Resonance Features of Renal Lesions and Their Response to Everolimus in a Transgenic Mouse Model of Tuberous Sclerosis Complex. <i>Frontiers in Oncology</i> , 0, 12, .	2.8	0