

Atsuomi Kimura

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Inflammation during Lung Cancer Progression and Ethyl Pyruvate Treatment Observed by Pulmonary Functional Hyperpolarized ¹²⁹ Xe MRI in Mice. <i>Contrast Media and Molecular Imaging</i> , 2021, 2021, 1-10.	0.8	2
2	Analysis of NMR Adsorption Isotherms of Zeolite ZSM-5: Adsorption Profiles Derived from the Pressure and Temperature Dependences of ¹²⁹ Xe NMR Chemical Shift and Signal Intensity. <i>Analytical Sciences</i> , 2021, 37, 1803-1810.	1.6	2
3	Multiplexed ¹²⁹ Xe HyperCEST MRI Detection of Genetically Reconstituted Bacterial Protein Nanoparticles in Human Cancer Cells. <i>Contrast Media and Molecular Imaging</i> , 2020, 2020, 1-10.	0.8	5
4	Stability Enhancement of ¹²⁹ Xe Hyperpolarizing System Using Alkali Metal Vapor in Spin-Exchange Optical Pumping Cell to Achieve High NMR Sensitivity. <i>Analytical Sciences</i> , 2019, 35, 869-873.	1.6	3
5	Ethyl Pyruvate Improves Pulmonary Function in Mice with Bleomycin-induced Lung Injury as Monitored with Hyperpolarized ¹²⁹ Xe MR Imaging. <i>Magnetic Resonance in Medical Sciences</i> , 2018, 17, 331-337.	2.0	5
6	Continuous flow production of concentrated hyperpolarized xenon gas from a dilute xenon gas mixture by buffer gas condensation. <i>Scientific Reports</i> , 2017, 7, 7352.	3.3	5
7	Treatment response of ethyl pyruvate in a mouse model of chronic obstructive pulmonary disease studied by hyperpolarized ¹²⁹ Xe MRI. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 721-729.	3.0	8
8	Hyperpolarized ¹²⁹ Xe MRI using isobutene as a new quenching gas. <i>NMR in Biomedicine</i> , 2016, 29, 1414-1419.	2.8	5
9	Small Animal Imaging with Hyperpolarized ¹²⁹ Xe Magnetic Resonance. <i>Analytical Sciences</i> , 2014, 30, 157-166.	1.6	12
10	Hyperpolarized ¹²⁹ Xe lung MRI in spontaneously breathing mice with respiratory gated fast imaging and its application to pulmonary functional imaging. <i>NMR in Biomedicine</i> , 2011, 24, 1343-1352.	2.8	21
11	Noninvasive detection of pulmonary tissue destruction in a mouse model of emphysema using hyperpolarized ¹²⁹ Xe MRS under spontaneous respiration. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 929-938.	3.0	31
12	Hyperpolarized ¹²⁹ Xe dynamic study in mouse lung under spontaneous respiration: Application to murine tumor B16BL6 melanoma. <i>European Journal of Radiology</i> , 2010, 73, 196-205.	2.6	15
13	Effect of reduced pressure on the polarization of ¹²⁹ Xe in the production of hyperpolarized ¹²⁹ Xe gas: Development of a simple continuous flow mode hyperpolarizing system working at pressures as low as 0.15 atm. <i>Concepts in Magnetic Resonance Part B</i> , 2008, 33B, 192-200.	0.7	29
14	A Simple Method for Quantitative Measurement and Analysis of Hyperpolarized ¹²⁹ Xe Uptake Dynamics in Mouse Brain under Controlled Flow. <i>Magnetic Resonance in Medical Sciences</i> , 2008, 7, 179-185.	2.0	13
15	Inclusion Complex Formation of Thiacalix[4]arene and Xe in Aqueous Solution Studied by Hyperpolarized ¹²⁹ Xe NMR. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007, 58, 115-122.	1.6	15
16	¹⁹ F Magnetic resonance imaging of perfluorooctanoic acid encapsulated in liposome for biodistribution measurement. <i>Magnetic Resonance Imaging</i> , 2004, 22, 855-860.	1.8	32
17	Improvement of T1 Determination of Hyperpolarized ¹²⁹ Xe in Mouse Brain under Controlled-Flow. <i>Magnetic Resonance in Medical Sciences</i> , 2004, 3, 199-205.	2.0	5
18	Conformational analyses of quinolines substituted with a vinyloxy or vinylthio group at the ortho position by means of the NMR selective relaxation method. Experimental verification of the planar conformation in solution. <i>Perkin Transactions II RSC</i> , 2000, , 1489-1494.	1.1	7