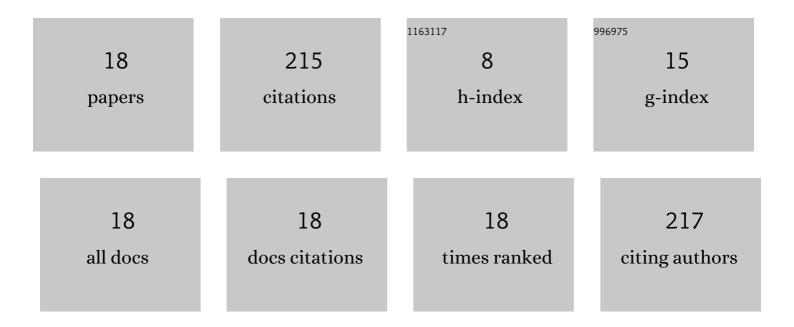
Atsuomi Kimura

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 129Xe MRI in Mice. Contrast Media and Molecular Imaging, 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 129Xe NMR Chemical Shift and Signal Intensity. Analytical Sciences, 2021, 37, 1803-1810.	1.6	2
3	Multiplexed ¹²⁹ Xe HyperCEST MRI Detection of Genetically Reconstituted Bacterial Protein Nanoparticles in Human Cancer Cells. Contrast Media and Molecular Imaging, 2020, 2020, 1-10.	0.8	5
4	Stability Enhancement of 129Xe Hyperpolarizing System Using Alkali Metal Vapor in Spin-Exchange Optical Pumping Cell to Achieve High NMR Sensitivity. Analytical Sciences, 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. Magnetic Resonance in Medical Sciences, 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. Scientific Reports, 2017, 7, 7352.	3.3	5
7	Treatment response of ethyl pyruvate in a mouse model of chronic obstructive pulmonary disease studied by hyperpolarized129Xe MRI. Magnetic Resonance in Medicine, 2017, 78, 721-729.	3.0	8
8	Hyperpolarized ¹²⁹ Xe MRI using isobutene as a new quenching gas. NMR in Biomedicine, 2016, 29, 1414-1419.	2.8	5
9	Small Animal Imaging with Hyperpolarized ¹²⁹ Xe Magnetic Resonance. Analytical Sciences, 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. NMR in Biomedicine, 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. Magnetic Resonance in Medicine, 2010, 64, 929-938.	3.0	31
12	Hyperpolarized 129Xe dynamic study in mouse lung under spontaneous respiration: Application to murine tumor B16BL6 melanoma. European Journal of Radiology, 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. Concepts in Magnetic Resonance Part B, 2008, 33B, 192-200.	0.7	29
14	A Simple Method for Quantitative Measurement and Analysis of Hyperpolarized 129Xe Uptake Dynamics in Mouse Brain under Controlled Flow. Magnetic Resonance in Medical Sciences, 2008, 7, 179-185.	2.0	13
15	Inclusion Complex Formation of Thiacalix[4]arene and Xe in Aqueous Solution Studied by Hyperpolarized 129Xe NMR. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2007, 58, 115-122.	1.6	15
16	19F Magnetic resonance imaging of perfluorooctanoic acid encapsulated in liposome for biodistribution measurement. Magnetic Resonance Imaging, 2004, 22, 855-860.	1.8	32
17	Improvement of T1 Determination of Hyperpolarized 129Xe in Mouse Brain under Controlled-Flow. Magnetic Resonance in Medical Sciences, 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. Perkin Transactions II RSC, 2000, , 1489-1494.	1.1	7