Gaspard Huber

List of Publications by Year
in descending order

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37	1,485	304743	330143
papers	citations	22 h-index	37 g-index

40	40	40	1223
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cucurbit[5]uril derivatives as oxygen carriers. Supramolecular Chemistry, 2019, 31, 668-675.	1.2	5
2	Singleâ€Scan Diffusionâ€Ordered NMR Spectroscopy of SABREâ€Hyperpolarized Mixtures. ChemPhysChem, 2019, 20, 392-398.	2.1	14
3	Functionalization of Bambusurils by a Thiolâ€“Ene Click Reaction and a Facile Method for the Preparation of Anionâ€Free Bambus[6]urils. Chemistry - A European Journal, 2018, 24, 10793-10801.	3.3	8
4	Unsaturated cryptophanes: Toward dual PHIP/hyperpolarised xenon sensors. Magnetic Resonance in Chemistry, 2018, 56, 672-678.	1.9	0
5	HR-Î¼MAS NMR-Based Metabolomics: Localized Metabolic Profiling of a Garlic Clove with Î¼g Tissues. Analytical Chemistry, 2018, 90, 13736-13743.	6.5	14
6	Metabolomic and proteomic investigations of impacts of titanium dioxide nanoparticles on Escherichia coli. PLoS ONE, 2017, 12, e0178437.	2.5	50
7	Nuclear spin noise in NMR revisited. Journal of Chemical Physics, 2015, 143, 094201.	3.0	9
8	Singleâ€Scan Multidimensional NMR Analysis of Mixtures at Subâ€Millimolar Concentrations by using SABRE Hyperpolarization. ChemPhysChem, 2015, 16, 3413-3417.	2.1	59
9	A more accurate tuningâ€matching technique for <scp>NMR</scp> probes using wobulation and variable phase shifter. Concepts in Magnetic Resonance Part B, 2015, 45, 59-68.	0.7	2
10	On the Tuning of Highâ€Resolution NMR Probes. ChemPhysChem, 2014, 15, 3639-3645.	2.1	21
11	Synthesis of Cucurbit[6]uril Derivatives and Insights into Their Solubility in Water. European Journal of Organic Chemistry, 2013, 2013, 3857-3865.	2.4	27
12	Multiple echoes due to distant dipolar fields in NMR of hyperpolarized noble gas solutions. European Physical Journal D, 2013, 67, 1.	1.3	3
13	Interaction of Xenon with Cucurbit[5]uril in Water. ChemPhysChem, 2011, 12, 1053-1055.	2.1	37
14	Cell uptake of a biosensor detected by hyperpolarized 129Xe NMR: The transferrin case. Bioorganic and Medicinal Chemistry, 2011, 19, 4135-4143.	3.0	82
15	A Water-Soluble Xe@cryptophane-111 Complex Exhibits Very High Thermodynamic Stability and a Peculiar ¹²⁹Xe NMR Chemical Shift. Journal of the American Chemical Society, 2010, 132, 15505-15507.	13.7	79
16	Nuclear Spinâ€Noise Spectra of Hyperpolarized Systems. Angewandte Chemie - International Edition, 2009, 48, 4341-4343.	13.8	24
17	Towards thrombosis-targeted zeolitenanoparticles for laser-polarized129Xe MRI. Journal of Materials Chemistry, 2009, 19, 379-386.	6.7	35
18	Biosensing using laser-polarized xenon NMR/MRI. Progress in Nuclear Magnetic Resonance Spectroscopy, 2009, 55, 35-60.	7.5	105

#	Article	IF	Citations
19	Observation of Noiseâ€Triggered Chaotic Emissions in an NMRâ€Maser. ChemPhysChem, 2008, 9, 1395-1401.	2.1	28
20	Effects on 1H and 129Xe NMR spectra of large magnetization created by dissolved laser-polarized xenon. Comptes Rendus Chimie, 2008, 11, 553-559.	0.5	3
21	Cryptophane-Xenon Complexes in Organic Solvents Observed through NMR Spectroscopy. Journal of Physical Chemistry A, 2008, 112, 11363-11372.	2.5	57
22	Sensitivity and Multiplexing Capabilities of MRI Based on Polarized ¹²⁹Xe Biosensors. Journal of the American Chemical Society, 2008, 130, 16456-16457.	13.7	47
23	A Cryptophane Core Optimized for Xenon Encapsulation. Journal of the American Chemical Society, 2007, 129, 10332-10333.	13.7	110
24	A Cryptophane Biosensor for the Detection of Specific Nucleotide Targets through Xenon NMR Spectroscopy. ChemPhysChem, 2007, 8, 2082-2085.	2.1	77
25	1H and 129Xe NMR absorption line shapes in the presence of highly polarized and concentrated xenon solutions in high magnetic field. Journal of Magnetic Resonance, 2007, 187, 78-87.	2.1	9
26	Water Soluble Cryptophanes Showing Unprecedented Affinity for Xenon:Â Candidates as NMR-Based Biosensors. Journal of the American Chemical Society, 2006, 128, 6239-6246.	13.7	139
27	Study of the Hydrophobic Cavity of Î²-Cryptogein through Laser-Polarized Xenon NMR Spectroscopy. ChemBioChem, 2006, 7, 59-64.	2.6	6
28	Regioselective one-step synthesis of hexahydroxy permethylated Î²-cyclodextrin and unambiguous NMR analysis. Comptes Rendus Chimie, 2005, 8, 27-30.	0.5	9
29	Dynamics of Xenon Binding Inside the Hydrophobic Cavity of Pseudo-Wild-type Bacteriophage T4 Lysozyme Explored through Xenon-Based NMR Spectroscopy. Journal of the American Chemical Society, 2005, 127, 11676-11683.	13.7	30
30	Diisobutylaluminum hydride as a molecular scalpel: the regioselective stripping of four methyl groups from permethylated Î²-cyclodextrin. Comptes Rendus Chimie, 2004, 7, 25-28.	0.5	14
31	Dynamics of Xenon inside Hydrophobic Cavities As Probed by NMR Relaxation of Dissolved Laser-Polarized Xenon. Journal of Physical Chemistry B, 2004, 108, 767-773.	2.6	18
32	Probing the Hydrophobic Cavity of Lipid Transfer Protein fromNicotianatabacumthrough Xenon-Based NMR Spectroscopy. Journal of the American Chemical Society, 2004, 126, 15738-15746.	13.7	45
33	NMR Study of Optically Active Monosubstituted Cryptophanes and Their Interaction with Xenon. Journal of Physical Chemistry A, 2004, 108, 9608-9615.	2.5	35
34	Magnetization Transfer from Laser-Polarized Xenon to Protons with Spin-Diffusion Quenching. ChemPhysChem, 2003, 4, 384-387.	2.1	22
35	Solution structure of reduced horse heart cytochrome c. Journal of Biological Inorganic Chemistry, 1999, 4, 21-31.	2.6	116
36	Partial Orientation of Oxidized and Reduced Cytochromeb5at High Magnetic Fields:Â Magnetic Susceptibility Anisotropy Contributions and Consequences for Protein Solution Structure Determination. Journal of the American Chemical Society, 1998, 120, 12903-12909.	13.7	110

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37	ePHOGSY experiments on a paramagnetic protein: location of the catalytic water molecule in the heme crevice of the oxidized form of horse heart cytochrome c. FEBS Letters, 1997, 415, 45-48.	2.8	30