

Stephan DÃ¼wel

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

300
citations

1163117

8
h-index

1372567

10
g-index

13
all docs

13
docs citations

13
times ranked

486
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging of pH in vivo using hyperpolarized ¹³ C-labelled zymonic acid. Nature Communications, 2017, 8, 15126.	12.8	94
2	Diffusion of hyperpolarized ¹³ C-metabolites in tumor cell spheroids using real-time NMR spectroscopy. NMR in Biomedicine, 2013, 26, 557-568.	2.8	40
3	Earth's magnetic field enabled scalar coupling relaxation of ¹³ C nuclei bound to fast-relaxing quadrupolar ¹⁴ N in amide groups. Journal of Magnetic Resonance, 2013, 227, 35-38.	2.1	37
4	Simultaneous characterization of tumor cellularity and the Warburg effect with PET, MRI and hyperpolarized ¹³ C-MRSI. Theranostics, 2018, 8, 4765-4780.	10.0	35
5	Multiparametric human hepatocellular carcinoma characterization and therapy response evaluation by hyperpolarized ¹³ C MRSI. NMR in Biomedicine, 2016, 29, 952-960.	2.8	28
6	Hyperpolarized Amino Acid Derivatives as Multivalent Magnetic Resonance pH Sensor Molecules. Sensors, 2018, 18, 600.	3.8	28
7	Deuteration of Hyperpolarized ¹³ C-Labeled Zymonic Acid Enables Sensitivity-Enhanced Dynamic MRI of pH. ChemPhysChem, 2017, 18, 2422-2425.	2.1	20
8	Imaging of Extracellular pH Using Hyperpolarized Molecules. Israel Journal of Chemistry, 2017, 57, 788-799.	2.3	14
9	MRI, 2017, , 227-324.		2
10	Deuteration of Hyperpolarized ¹³ C-Labeled Zymonic Acid Enables Sensitivity-Enhanced Dynamic MRI of pH. ChemPhysChem, 2017, 18, 2421-2421.	2.1	1
11	Proof of concept of a multimodal intravital molecular imaging system for tumour transpathology investigation. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 1157-1165.	6.4	1
12	Ab Initio Simulation of pH-Sensitive Biomarkers in Magnetic Resonance Imaging. Journal of Physical Chemistry A, 2018, 122, 7983-7990.	2.5	0