

Sven Macholl

List of Publications by Year in descending order

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29
papers

863
citations

567281

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h-index

501196

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g-index

31
all docs

31
docs citations

31
times ranked

1280
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic Nuclear Polarization with Trityls at 1.2 K. Applied Magnetic Resonance, 2008, 34, 509-522.	1.2	138
2	Dynamic Nuclear Polarization of [1- ¹³ C]pyruvic acid at 4.6 tesla. Journal of Magnetic Resonance, 2009, 197, 167-175.	2.1	130
3	¹⁸ F-Trifluoromethanesulfinate Enables Direct ¹⁸ F-Trifluoromethylation of Native Aromatic Residues in Peptides. Journal of the American Chemical Society, 2020, 142, 1180-1185.	13.7	61
4	In Vivo pH Imaging with ^{99m} Tc-pHLIP. Molecular Imaging and Biology, 2012, 14, 725-734.	2.6	60
5	Contrast agent and radiation dose reduction in abdominal CT by a combination of low tube voltage and advanced image reconstruction algorithms. European Radiology, 2015, 25, 1023-1031.	4.5	57
6	J-Coupling Nuclear Magnetic Resonance Spectroscopy of Liquids in nT Fields. Journal of the American Chemical Society, 2006, 128, 714-715.	13.7	56
7	Trityl biradicals and ¹³ C dynamic nuclear polarization. Physical Chemistry Chemical Physics, 2010, 12, 5804.	2.8	52
8	[¹⁸ F]Fluciclatide in the in vivo evaluation of human melanoma and renal tumors expressing $\hat{1}\pm\hat{v}\hat{1}^23$ and $\hat{1}\pm\hat{v}\hat{1}^25$ integrins. European Journal of Nuclear Medicine and Molecular Imaging, 2014, 41, 1879-1888.	6.4	43
9	2H MAS NMR of strongly dipolar coupled deuterium pairs in transition metal dihydrides: extracting dipolar coupling and quadrupolar tensor orientations from the lineshape of spinning sidebands. Physical Chemistry Chemical Physics, 2000, 2, 935-941.	2.8	35
10	The Ground State Rotational Spectra of HDCO and D2CO. Journal of Molecular Spectroscopy, 1999, 195, 345-355.	1.2	27
11	c-Met PET Imaging Detects Early-Stage Locoregional Recurrence of Basal-Like Breast Cancer. Journal of Nuclear Medicine, 2016, 57, 765-770.	5.0	25
12	Conformational studies of polymorphic N-octyl-D-gluconamide with ¹⁵ N (labeled) ¹³ C (natural) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	2.8	23
13	Revealing the Configuration and Crystal Packing of Organic Compounds by Solid-State NMR Spectroscopy: Methoxycarbonylurea, a Case Study. Chemistry - A European Journal, 2004, 10, 4808-4816.	3.3	19
14	A ¹⁵ N- ¹ H dipolar CSA solid-state NMR study of polymorphous polyglycine (-CO-CD ₂ - ¹⁵ NH-)n. Applied Magnetic Resonance, 1999, 17, 413-431.	1.2	17
15	Revealing CSA Tensors and Hydrogen Bonding in Methoxycarbonyl Urea: A combined ¹³ C, ¹⁵ N and ¹³ C ¹⁴ N ² Dipolar Chemical Shift NMR and DFT Study. Zeitschrift Fur Physikalische Chemie, 2003, 217, 1473-1506.	2.8	16
16	NMR crystallography of amides, peptides and protein-ligand complexes. CrystEngComm, 2013, 15, 8627.	2.6	15
17	Novel fluorine- ¹⁸ F PET radiotracers based on flumazenil for GABA _A imaging in the brain. Nuclear Medicine and Biology, 2013, 40, 901-905.	0.6	15
18	NMR Study of Blue-Shifting Hydrogen Bonds Formed by Fluoroform in Solution. Zeitschrift Fur Physikalische Chemie, 2008, 222, 1225-1245.	2.8	13

#	ARTICLE	IF	CITATIONS
19	The Impact of Combining a Low-Tube Voltage Acquisition with Iterative Reconstruction on Total Iodine Dose in Coronary CT Angiography. <i>BioMed Research International</i> , 2017, 2017, 1-10.	1.9	13
20	High-resolution ^2H MAS NMR applied to deuterium analogs of hydrido $\hat{1}$ -2-dihydrogen complexes. <i>Solid State Nuclear Magnetic Resonance</i> , 2009, 36, 137-143.	2.3	11
21	Solid-state NMR study of the SH3 domain of γ -spectrin: application of ^{13}C - ^{15}N TEDOR and REDOR. <i>Magnetic Resonance in Chemistry</i> , 2000, 38, 596-603.	1.9	10
22	Polymorphism of $\text{N,N}'\text{-bis}(2\text{-diacetylbiuret})$ Studied by Solid-State ^{13}C and ^{15}N NMR Spectroscopy, DFT Calculations, and X-ray Diffraction. <i>Chemistry - A European Journal</i> , 2007, 13, 6139-6149.	3.3	8
23	Anesthesia and Monitoring of Animals During MRI Studies. <i>Methods in Molecular Biology</i> , 2018, 1718, 423-439.	0.9	5
24	Improved enhancement in CT angiography with reduced contrast media iodine concentrations at constant iodine dose. <i>Scientific Reports</i> , 2018, 8, 17493.	3.3	4
25	Flexible scintillator autoradiography for tumor margin inspection using ^{18}F -FDG. , 2018, , .		4
26	Rotational Spectrum of NSF3 in the Ground and $\nu_5 = 1$ Vibrational States: Observation of Q-Branch Perturbation-Allowed Transitions with $\hat{l}^{\nu} (k \hat{\nu} l) = 0, \hat{A}\pm 3, \hat{A}\pm 6$ and Anomalies in the Rovibrational Structure of the $\nu_5 = 1$ State. <i>Journal of Physical Chemistry A</i> , 2009, 113, 668-679.	2.5	2
27	High-throughput high-volume nuclear imaging for preclinical in vivo compound screening. <i>EJNMMI Research</i> , 2017, 7, 33.	2.5	2
28	Anomalous hyperfine structure of NSF3 in the degenerate vibrational state $\nu_5 = 1$: Lifting of the parity degeneracy by the fluorine spin-rotation interaction. <i>Physical Review A</i> , 2010, 81, .	2.5	1
29	Radiochemistry for Preclinical Imaging Studies. <i>Imaging in Medical Diagnosis and Therapy</i> , 2016, , 277-314.	0.0	1