

Sven Macholl

List of Publications by Year in descending order

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567281

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1280
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#	ARTICLE	IF	CITATIONS
1	¹⁸ F-Trifluoromethanesulfinate Enables Direct ¹⁸ F-Trifluoromethylation of Native Aromatic Residues in Peptides. <i>Journal of the American Chemical Society</i> , 2020, 142, 1180-1185.	13.7	61
2	Anesthesia and Monitoring of Animals During MRI Studies. <i>Methods in Molecular Biology</i> , 2018, 1718, 423-439.	0.9	5
3	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
4	Flexible scintillator autoradiography for tumor margin inspection using ¹⁸ F-FDG. , 2018, ,		4
5	High-throughput high-volume nuclear imaging for preclinical in vivo compound screening. <i>EJNMMI Research</i> , 2017, 7, 33.	2.5	2
6	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
7	Radiochemistry for Preclinical Imaging Studies. <i>Imaging in Medical Diagnosis and Therapy</i> , 2016, , 277-314.	0.0	1
8	c-Met PET Imaging Detects Early-Stage Locoregional Recurrence of Basal-Like Breast Cancer. <i>Journal of Nuclear Medicine</i> , 2016, 57, 765-770.	5.0	25
9	Contrast agent and radiation dose reduction in abdominal CT by a combination of low tube voltage and advanced image reconstruction algorithms. <i>European Radiology</i> , 2015, 25, 1023-1031.	4.5	57
10	[¹⁸ F]Fluciclatide in the in vivo evaluation of human melanoma and renal tumors expressing $\hat{1}\pm\hat{v}^{\hat{2}3}$ and $\hat{1}\pm\hat{v}^{\hat{2}5}$ integrins. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 41, 1879-1888.	6.4	43
11	NMR crystallography of amides, peptides and protein-ligand complexes. <i>CrystEngComm</i> , 2013, 15, 8627.	2.6	15
12	Novel fluorine-18 PET radiotracers based on flumazenil for GABAA imaging in the brain. <i>Nuclear Medicine and Biology</i> , 2013, 40, 901-905.	0.6	15
13	In Vivo pH Imaging with ^{99m} Tc-pHLIP. <i>Molecular Imaging and Biology</i> , 2012, 14, 725-734.	2.6	60
14	Anomalous hyperfine structure of NSF3 in the degenerate vibrational state $v_5=1$: Lifting of the parity degeneracy by the fluorine spin-rotation interaction. <i>Physical Review A</i> , 2010, 81, .	2.5	1
15	Trityl biradicals and ¹³ C dynamic nuclear polarization. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 5804.	2.8	52
16	High-resolution ² H MAS NMR applied to deuterium analogs of hydrido $\hat{1}\pm\hat{2}$ -dihydrogen complexes. <i>Solid State Nuclear Magnetic Resonance</i> , 2009, 36, 137-143.	2.3	11
17	Dynamic Nuclear Polarization of [¹³ C]pyruvic acid at 4.6 tesla. <i>Journal of Magnetic Resonance</i> , 2009, 197, 167-175.	2.1	130
18	Rotational Spectrum of NSF3 in the Ground and $v_5 = 1$ Vibrational States: Observation of Q-Branch Perturbation-Allowed Transitions with $\hat{1}^{\hat{0}}$ ($k \hat{a}^{\hat{0}} l$) = 0, $\hat{A}\pm 3$, $\hat{A}\pm 6$ and Anomalies in the Rovibrational Structure of the $v_5 = 1$ State. <i>Journal of Physical Chemistry A</i> , 2009, 113, 668-679.	2.5	2

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19	Dynamic Nuclear Polarization with Trityls at 1.2 K. Applied Magnetic Resonance, 2008, 34, 509-522.	1.2	138
20	NMR Study of Blue-Shifting Hydrogen Bonds Formed by Fluoroform in Solution. Zeitschrift Fur Physikalische Chemie, 2008, 222, 1225-1245.	2.8	13
21	Polymorphism of N,N'-Diacetylbiuret Studied by Solid-State ^{13}C and ^{15}N NMR Spectroscopy, DFT Calculations, and X-ray Diffraction. Chemistry - A European Journal, 2007, 13, 6139-6149.	3.3	8
22	J-Coupling Nuclear Magnetic Resonance Spectroscopy of Liquids in nT Fields. Journal of the American Chemical Society, 2006, 128, 714-715.	13.7	56
23	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
24	Revealing CSA Tensors and Hydrogen Bonding in Methoxycarbonyl Urea: A combined ^{13}C , ^{15}N and $^{13}\text{C}/^{14}\text{N}$ Dipolar Chemical Shift NMR and DFT Study. Zeitschrift Fur Physikalische Chemie, 2003, 217, 1473-1506.	2.8	16
25	Solid-state NMR study of the SH3 domain of β -spectrin: application of ^{13}C - ^{15}N TEDOR and REDOR. Magnetic Resonance in Chemistry, 2000, 38, 596-603.	1.9	10
26	Conformational studies of polymorphic N-octyl-D-gluconamide with ^{15}N (labeled) ^{13}C (natural) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	2.8	23
27	^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
28	^{15}N - ^1H dipolar CSA solid-state NMR study of polymorphous polyglycine ($-(\text{CO}-\text{CD}_2-^{15}\text{NH})_n$). Applied Magnetic Resonance, 1999, 17, 413-431.	1.2	17
29	The Ground State Rotational Spectra of HDCO and D $_2$ CO. Journal of Molecular Spectroscopy, 1999, 195, 345-355.	1.2	27