

Vilko Smrecki

List of Publications by Year in descending order

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30
papers

587
citations

687363

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31
docs citations

31
times ranked

1071
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative Study on the Antioxidant and Biological Activities of Carvacrol, Thymol, and Eugenol Derivatives. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 3989-3996.	5.2	233
2	Non-linearity and frequency shifts of nuclear magnetic spin-noise. <i>Journal of Magnetic Resonance</i> , 2009, 198, 73-79.	2.1	33
3	Study of the mechanism of formation of nano-crystalline zeolite X in heterogeneous system. <i>Microporous and Mesoporous Materials</i> , 2011, 142, 139-146.	4.4	29
4	Cross-dimerization of nitrosobenzenes in solution and in solid state. <i>Journal of Molecular Structure</i> , 2009, 918, 19-25.	3.6	25
5	Sugar Pucker Modulates the Cross-Correlated Relaxation Rates across the Glycosidic Bond in DNA. <i>Journal of the American Chemical Society</i> , 2005, 127, 14663-14667.	13.7	24
6	Supramolecular Ionic Liquid Gels with High Ionic Conductivity. <i>Chemistry - A European Journal</i> , 2015, 21, 12121-12128.	3.3	23
7	Infrared and Raman spectra of cis-stilbene and its deuterated isotopomers. <i>Journal of Molecular Structure</i> , 1995, 348, 229-232.	3.6	17
8	Structure and vibrational spectra of conjugated acids of trans- and cis-azobenzene. <i>Journal of Molecular Structure</i> , 2001, 569, 89-109.	3.6	17
9	Dibenzotetraaza[14]annulene adenine conjugate recognizes complementary poly dT among ss-DNA/ss-RNA sequences. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4077.	2.8	17
10	Synthesis of Glycomimetics by Diastereoselective Passerini Reaction. <i>Journal of Organic Chemistry</i> , 2018, 83, 13146-13156.	3.2	17
11	Extraction of multiple pure component ¹ H and ¹³ C NMR spectra from two mixtures: Novel solution obtained by sparse component analysis-based blind decomposition. <i>Analytica Chimica Acta</i> , 2009, 653, 143-153.	5.4	15
12	Homocuclear long-range correlation spectra from HMBC experiments by covariance processing. <i>Magnetic Resonance in Chemistry</i> , 2007, 45, 583-589.	1.9	13
13	Nitrosobenzene cross-dimerization: Structural selectivity in solution and in solid state. <i>Journal of Molecular Structure</i> , 2010, 979, 22-26.	3.6	13
14	The secondary cell wall polymer of <i>Geobacillus tepidamans</i> GS5-97T: structure of different glycoforms. <i>Carbohydrate Research</i> , 2005, 340, 2290-2296.	2.3	12
15	Vibrational coupling in trans-azobenzene and its isotopomers. <i>Journal of Molecular Structure</i> , 1997, 408-409, 399-403.	3.6	10
16	Near-infrared Fourier transform Raman spectra of protonated and deuterated trans-azobenzene isotopomers. <i>Journal of Molecular Structure</i> , 1997, 408-409, 405-408.	3.6	10
17	Deep Insights into the Processes Occurring during Early Stages of the Formation and Room-Temperature Evolution of the Core (Amorphous SiO ₂)@Shell (Organocations) Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018, 122, 9441-9454.	3.1	10
18	¹ H- ¹³ C-Acetylferrocene amino acid esters and amides. A simple model for parallel ¹ H-helical peptides. <i>Tetrahedron</i> , 2014, 70, 2330-2342.	1.9	9

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19	Controlled aggregation of core(amorphous silica)@shell(TPA+-polysilicate) nanoparticles at room temperature by selective removal of TPA+ ions from the nanoparticle shell. Inorganic Chemistry Frontiers, 2019, 6, 1639-1653.	6.0	8
20	Isotope effects in ¹³ C NMR spectra of monodeuteriated trans-N-benzylideneanilines. Journal of Molecular Structure, 1995, 348, 69-72.	3.6	7
21	Fructose-induced N-terminal glycation of enkephalins and related peptides. Journal of Peptide Science, 2008, 14, 936-945.	1.4	7
22	Primary and secondary deuterium-induced isotope effects for ¹³ C NMR parameters of benzaldehyde. Magnetic Resonance in Chemistry, 1995, 33, 426-430.	1.9	6
23	Unique Aggregation of Sterigmatocystin in Water Yields Strong and Specific Circular Dichroism Response Allowing Highly Sensitive and Selective Monitoring of Bio-Relevant Interactions. Marine Drugs, 2019, 17, 629.	4.6	6
24	Machine learning approach for predicting crude oil stability based on NMR spectroscopy. Fuel, 2021, 305, 121561.	6.4	6
25	Deuterium isotope effects in ¹³ C NMR spectra of trans-azobenzene. Journal of Molecular Structure, 1997, 410-411, 5-7.	3.6	4
26	Atropisomerism in 1-(2-adamantyl)naphthalene Derivatives. Journal of Molecular Structure, 2013, 1046, 101-109.	3.6	4
27	Magnetic field influence on asphaltene aggregation monitored by diffusion NMR spectroscopy: Is aggregation reversible at high magnetic fields?. Journal of Dispersion Science and Technology, 2020, 41, 179-187.	2.4	4
28	A ferrocene-based pseudopeptide chiroptical switch. Dalton Transactions, 2021, 50, 4504-4511.	3.3	4
29	Structural dependence of isotope effects in ¹ H and ¹³ C nuclear magnetic resonance spectra of the trans-N-benzylideneaniline imino group. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1998, 54, 327-333.	3.9	3
30	Determination of ³ J(¹ H- ³¹ P) couplings in a DNA oligomer with enhanced sensitivity employing a constant-time TOCSY difference experiment. Magnetic Resonance in Chemistry, 2011, 49, 125-128.	1.9	1