

Wayne E Steinmetz

List of Publications by Year in descending order

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26
papers

991
citations

623734

14
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

1190
citing authors

#	ARTICLE	IF	CITATIONS
1	Ring-Closing Metathesis of Olefinic Peptides: Design, Synthesis, and Structural Characterization of Macrocyclic Helical Peptides. <i>Journal of Organic Chemistry</i> , 2001, 66, 5291-5302.	3.2	216
2	NMR Diffusion, Relaxation, and Spectroscopic Studies of Water Soluble, Monolayer-Protected Gold Nanoclusters. <i>Journal of Physical Chemistry B</i> , 2001, 105, 8801-8809.	2.6	119
3	A computer-assisted model for estimating protein secondary structure from circular dichroic spectra: Comparison of animal lactate dehydrogenases. <i>Analytical Biochemistry</i> , 1980, 104, 160-167.	2.4	115
4	On the Role of Polarizability in Chemical~Biological Interactions. <i>Journal of Chemical Information and Computer Sciences</i> , 2003, 43, 120-125.	2.8	91
5	Synthesis of a Molecular Charm Bracelet via Click Cyclization and Olefin Metathesis Clipping. <i>Journal of the American Chemical Society</i> , 2010, 132, 3405-3412.	13.7	79
6	Structure-Selectivity Relationships and Structure for a Peptide-Based Enantioselective Acylation Catalyst. <i>Journal of the American Chemical Society</i> , 2004, 126, 6967-6971.	13.7	78
7	Application of low-resolution microwave spectroscopy to conformational analysis. <i>Journal of the American Chemical Society</i> , 1974, 96, 685-692.	13.7	46
8	NMR studies of the conformation of the natural sweetener rebaudioside A. <i>Carbohydrate Research</i> , 2009, 344, 2533-2538.	2.3	34
9	The conformational analysis of 1-haloalkanes by low resolution microwave spectroscopy. <i>Journal of Molecular Spectroscopy</i> , 1977, 68, 173-182.	1.2	28
10	The conformation of 6-methoxyerythromycin A in water determined by proton NMR spectroscopy. <i>Journal of Medicinal Chemistry</i> , 1992, 35, 4842-4845.	6.4	23
11	The Structure of Erythromycin Enol Ether as a Model for Its Activity as a Motilide. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 4899-4902.	6.4	21
12	Preliminary spectroscopic characterization of six toxins from Latin American scorpions. <i>Biochimica Et Biophysica Acta (BBA) - Protein Structure</i> , 1981, 669, 183-192.	1.7	20
13	A CoMFA Model of Steric and Electronic Effects of Phosphorus Ligands. <i>QSAR and Combinatorial Science</i> , 1996, 15, 1-6.	1.2	18
14	Determination of the aqueous-phase structure of 6-O-methylerythromycin from NMR constraints. <i>Magnetic Resonance in Chemistry</i> , 2001, 39, 163-172.	1.9	17
15	Structure and Conformational Dynamics of Trichothecene Mycotoxins. <i>Journal of Natural Products</i> , 2008, 71, 589-594.	3.0	15
16	3D QSAR study of the toxicity of trichothecene mycotoxins. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 4485-4489.	5.5	15
17	NMR assignment and characterization of proton exchange of the ellagitannin granatin B. <i>Magnetic Resonance in Chemistry</i> , 2010, 48, 565-570.	1.9	12
18	Separation of electronic and hydrophobic effects for the papain hydrolysis of substituted N-benzoylglycine esters. <i>BBA - Proteins and Proteomics</i> , 1991, 1079, 43-52.	2.1	11

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19	Conformational analysis of conjugated polyenes by nuclear magnetic resonance and low resolution microwave spectroscopy. <i>The Journal of Physical Chemistry</i> , 1979, 83, 1540-1545.	2.9	9
20	A CoMFA Analysis of Selected Physical Properties of Amino Acids in Water. <i>QSAR and Combinatorial Science</i> , 1995, 14, 19-23.	1.2	7
21	Determination of the three-dimensional, solution-phase structure of the macrolide antibiotic oxolide in CD ₂ Cl ₂ and D ₂ O from NMR constraints. <i>Magnetic Resonance in Chemistry</i> , 2005, 43, 16-20.	1.9	4
22	Using an NMR Spectrometer To Do Magnetic Resonance Imaging. <i>Journal of Chemical Education</i> , 2007, 84, 1830.	2.3	4
23	Magnetic resonance imaging on an NMR spectrometer. An experiment for the physical chemistry laboratory. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2007, 30A, 133-139.	0.5	3
24	The Conformation and Assignment of the Proton NMR Spectrum in Water of DX600, a Bioactive Peptide with a Random Coil Conformation. <i>International Journal of Spectroscopy</i> , 2011, 2011, 1-8.	1.6	3
25	NMR Characterization of the Structure and Dynamics of a Cavitand-SDS Complex. <i>Supramolecular Chemistry</i> , 2007, 19, 399-402.	1.2	2
26	Elective and Capstone Undergraduate Experiences in NMR Spectroscopy. <i>ACS Symposium Series</i> , 2007, , 36-47.	0.5	1