

# 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	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
2	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
3	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
4	3D QSAR study of the toxicity of trichothecene mycotoxins. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 4485-4489.	5.5	15
5	NMR studies of the conformation of the natural sweetener rebaudioside A. <i>Carbohydrate Research</i> , 2009, 344, 2533-2538.	2.3	34
6	Structure and Conformational Dynamics of Trichothecene Mycotoxins. <i>Journal of Natural Products</i> , 2008, 71, 589-594.	3.0	15
7	NMR Characterization of the Structure and Dynamics of a Cavitand-SDS Complex. <i>Supramolecular Chemistry</i> , 2007, 19, 399-402.	1.2	2
8	Elective and Capstone Undergraduate Experiences in NMR Spectroscopy. <i>ACS Symposium Series</i> , 2007, , 36-47.	0.5	1
9	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
10	Using an NMR Spectrometer To Do Magnetic Resonance Imaging. <i>Journal of Chemical Education</i> , 2007, 84, 1830.	2.3	4
11	Determination of the three-dimensional, solution-phase structure of the macrolide antibiotic oxilide in CD <sub>2</sub> Cl <sub>2</sub> and D <sub>2</sub> O from NMR constraints. <i>Magnetic Resonance in Chemistry</i> , 2005, 43, 16-20.	1.9	4
12	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
13	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
14	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
15	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
16	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
17	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
18	A CoMFA Model of Steric and Electronic Effects of Phosphorus Ligands. <i>QSAR and Combinatorial Science</i> , 1996, 15, 1-6.	1.2	18

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19	A CoMFA Analysis of Selected Physical Properties of Amino Acids in Water. QSAR and Combinatorial Science, 1995, 14, 19-23.	1.2	7
20	The conformation of 6-methoxyerythromycin A in water determined by proton NMR spectroscopy. Journal of Medicinal Chemistry, 1992, 35, 4842-4845.	6.4	23
21	Separation of electronic and hydrophobic effects for the papain hydrolysis of substituted N-benzoylglycine esters. BBA - Proteins and Proteomics, 1991, 1079, 43-52.	2.1	11
22	Preliminary spectroscopic characterization of six toxins from Latin American scorpions. Biochimica Et Biophysica Acta (BBA) - Protein Structure, 1981, 669, 183-192.	1.7	20
23	A computer-assisted model for estimating protein secondary structure from circular dichroic spectra: Comparison of animal lactate dehydrogenases. Analytical Biochemistry, 1980, 104, 160-167.	2.4	115
24	Conformational analysis of conjugated polyenes by nuclear magnetic resonance and low resolution microwave spectroscopy. The Journal of Physical Chemistry, 1979, 83, 1540-1545.	2.9	9
25	The conformational analysis of 1-haloalkanes by low resolution microwave spectroscopy. Journal of Molecular Spectroscopy, 1977, 68, 173-182.	1.2	28
26	Application of low-resolution microwave spectroscopy to conformational analysis. Journal of the American Chemical Society, 1974, 96, 685-692.	13.7	46