Mikael P Johansson

List of Publications by Year in Descending Order

52 papers	2,120 citations	28 h-index	46 g-index
59 ext. papers	2,286 ext. citations	5.8 avg, IF	4.87 L-index

#	Paper	IF	Citations
52	Halogenation at the Phenylalanine Residue of Monomethyl Auristatin F Leads to a Favorable / Equilibrium and Retained Cytotoxicity. *Molecular Pharmaceutics*, **2021**, 18, 3125-3131	5.6	0
51	Exploring the Biochemical Foundations of a Successful GLUT1-Targeting Strategy to BNCT: Chemical Synthesis and Evaluation of the Entire Positional Isomer Library of -Carboranylmethyl-Bearing Glucoconjugates. *Molecular Pharmaceutics*, **2021**, 18, 285-304	5.6	6
50	Magnetically induced ring currents in naphthalene-fused heteroporphyrinoids. *Physical Chemistry Chemical Physics*, **2021**, 23, 16629-16634	3.6	0
49	Core-Satellite Gold Nanoparticle Complexes Grown by Inert Gas-Phase Condensation. *Journal of Physical Chemistry C*, **2020**, 124, 24441-24450	3.8	4
48	Addressing the Biochemical Foundations of a Glucose-Based "Trojan Horse"-Strategy to Boron Neutron Capture Therapy: From Chemical Synthesis to Assessment. *Molecular Pharmaceutics*, **2020**, 17, 3885-3899	5.6	6
47	Dispersion forces drive water oxidation in molecular ruthenium catalysts.. *RSC Advances*, **2020**, 11, 425-432	3.7	2
46	Increasing the Potential of the Auristatin Cancer-Drug Family by Shifting the Conformational Equilibrium. *Molecular Pharmaceutics*, **2019**, 16, 3600-3608	5.6	5
45	Acetyl Group Migration across the Saccharide Units in Oligomannoside Model Compound. *Journal of the American Chemical Society*, **2019**, 141, 1646-1654	16.4	18
44	Conformational Selection of Dimethylarginine Recognition by the Survival Motor Neuron Tudor Domain. *Angewandte Chemie*, **2018**, 130, 495-499	3.6	
43	Conformational Selection of Dimethylarginine Recognition by the Survival Motor Neuron Tudor Domain. *Angewandte Chemie - International Edition*, **2018**, 57, 486-490	16.4	1
42	Terminal Electron-Proton Transfer Dynamics in the Quinone Reduction of Respiratory Complex I. *Journal of the American Chemical Society*, **2017**, 139, 16282-16288	16.4	41
41	New insight on the structural features of the cytotoxic auristatins MMAE and MMAF revealed by combined NMR spectroscopy and quantum chemical modelling. *Scientific Reports*, **2017**, 7, 15920	4.9	15
40	Towards a mechanistic model for redox-driven proton pumping in respiratory complex I. *Biochimica Et Biophysica Acta - Bioenergetics*, **2016**, 1857, e40	4.6	
39	Coulomb-explosion imaging using a pixel-imaging mass-spectrometry camera. *Physical Review A*, **2015**, 91,	2.6	37
38	Covariance imaging experiments using a pixel-imaging mass-spectrometry camera. *Physical Review A*, **2014**, 89,	2.6	41
37	At What Size Do Neutral Gold Clusters Turn Three-Dimensional?. *Journal of Physical Chemistry C*, **2014**, 118, 29370-29377	3.8	57
36	Dynamic stark control of torsional motion by a pair of laser pulses. *Physical Review Letters*, **2014**, 113, 073005	7.4	52

35	Ab initio, density functional theory, and semi-empirical calculations. *Methods in Molecular Biology*, **2013**, 924, 3-27	1.4	3
34	Intramolecular halogen-halogen bonds?. *Physical Chemistry Chemical Physics*, **2013**, 15, 11543-53	3.6	53
33	Density functional study on UV/VIS spectra of copper-protein active sites: the effect of mutations. *Chemistry and Biodiversity*, **2012**, 9, 1728-38	2.5	2
32	Chemical bonding in supermolecular flowers. *Physical Chemistry Chemical Physics*, **2012**, 14, 14905-10	3.6	8
31	Control and femtosecond time-resolved imaging of torsion in a chiral molecule. *Journal of Chemical Physics*, **2012**, 136, 204310	3.9	73
30	Subtle effects control the polymerisation mechanism in Ediimine iron catalysts. *Dalton Transactions*, **2011**, 40, 8419-28	4.3	18
29	Magnetizabilities at Self-Interaction-Corrected Density Functional Theory Level. *Journal of Chemical Theory and Computation*, **2010**, 6, 3302-11	6.4	9
28	WAu12(CO)12?. *Chemical Communications*, **2010**, 46, 3762-4	5.8	20
27	Interheme electron tunneling in cytochrome c oxidase. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 21470-5	11.5	20
26	Manipulating the torsion of molecules by strong laser pulses. *Physical Review Letters*, **2009**, 102, 073007	7.4	94
25	Coupled-cluster and density functional theory studies of the electronic excitation spectra of trans-1,3-butadiene and trans-2-propeniminium. *Journal of Chemical Physics*, **2009**, 131, 024301	3.9	43
24	A combined experimental and theoretical study on realizing and using laser controlled torsion of molecules. *Journal of Chemical Physics*, **2009**, 130, 234310	3.9	52
23	The chemistry of the CuB site in cytochrome c oxidase and the importance of its unique His-Tyr bond. *Biochimica Et Biophysica Acta - Bioenergetics*, **2009**, 1787, 221-33	4.6	41
22	Fixing the chirality and trapping the transition state of helicene with atomic metal glue. *Chemistry - A European Journal*, **2009**, 15, 13210-8	4.8	29
21	Robust and Reliable Multilevel Minimization of the Kohn-Sham Energy. *Journal of Chemical Theory and Computation*, **2009**, 5, 1027-32	6.4	12
20	Excited State Potential Energy Surfaces of Polyenes and Protonated Schiff Bases. *Journal of Chemical Theory and Computation*, **2009**, 5, 2401-14	6.4	34
19	On the Strong Ring Currents in B20 and Neighboring Boron Toroids. *Journal of Physical Chemistry C*, **2009**, 113, 524-530	3.8	44
18	A stepwise atomic, valence-molecular, and full-molecular optimisation of the Hartree-Fock/Kohn-Sham energy. *Physical Chemistry Chemical Physics*, **2009**, 11, 5805-13	3.6	13

17	Torsional Barriers and Equilibrium Angle of Biphenyl: Reconciling Theory with Experiment. *Journal of Chemical Theory and Computation*, **2008**, 4, 1460-71	6.4	169
16	2D-3D transition of gold cluster anions resolved. *Physical Review A*, **2008**, 77,	2.6	243
15	Exploring the Stability of Golden Fullerenes. *Journal of Physical Chemistry C*, **2008**, 112, 19311-19315	3.8	37
14	Autoxidation of conjugated linoleic acid methyl ester in the presence of alpha-tocopherol: the hydroperoxide pathway. *Lipids*, **2008**, 43, 599-610	1.6	14
13	Charge parameterization of the metal centers in cytochrome c oxidase. *Journal of Computational Chemistry*, **2008**, 29, 753-67	3.5	45
12	Nanosecond electron tunneling between the hemes in cytochrome bo3. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 20811-4	11.5	38
11	Sphere currents of Buckminsterfullerene. *Angewandte Chemie - International Edition*, **2005**, 44, 1843-6	16.4	107
10	Sphere Currents of Buckminsterfullerene. *Angewandte Chemie*, **2005**, 117, 1877-1880	3.6	6
9	Arsole Aromaticity Revisited. *Letters in Organic Chemistry*, **2005**, 2, 469-474	0.6	30
8	Au32: a 24-carat golden fullerene. *Angewandte Chemie - International Edition*, **2004**, 43, 2678-81	16.4	261
7	Au32: A 24-Carat Golden Fullerene. *Angewandte Chemie*, **2004**, 116, 2732-2735	3.6	31
6	Properties of WAu12. *Physical Chemistry Chemical Physics*, **2004**, 6, 11-22	3.6	93
5	Spin and charge distribution in iron porphyrin models: a coupled cluster and density-functional study. *Journal of Chemical Physics*, **2004**, 120, 3229-36	3.9	36
4	The importance of being tetrahedral: the cadmium pyramids CdN; N = 4, 10, 20, 35 and 56. *Physical Chemistry Chemical Physics*, **2004**, 6, 2907-2909	3.6	28
3	(Z)-1-Aryl-1-haloalkenes as intermediates in the Vilsmeier haloformylation of aryl ketones. *Organic Letters*, **2003**, 5, 3387-90	6.2	26
2	The spin distribution in low-spin iron porphyrins. *Journal of the American Chemical Society*, **2002**, 124, 11771-80	16.4	60
1	Change in electron and spin density upon electron transfer to haem. *Biochimica Et Biophysica Acta - Bioenergetics*, **2002**, 1553, 183-7	4.6	43