Mikael P Johansson

List of Publications by Year
in descending order

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57 papers	2,405 citations	185998 28 h-index	197535 49 g-index
59 all docs	59 docs citations	59 times ranked	2616 citing authors

#	Article	IF	Citations
1	Au32: A 24-Carat Golden Fullerene. Angewandte Chemie - International Edition, 2004, 43, 2678-2681.	7.2	285
2	2D-3D transition of gold cluster anions resolved. Physical Review A, 2008, 77, .	1.0	255
3	Torsional Barriers and Equilibrium Angle of Biphenyl: Reconciling Theory with Experiment. Journal of Chemical Theory and Computation, 2008, 4, 1460-1471.	2.3	189
4	Sphere Currents of Buckminsterfullerene. Angewandte Chemie - International Edition, 2005, 44, 1843-1846.	7.2	113
5	Manipulating the Torsion of Molecules by Strong Laser Pulses. Physical Review Letters, 2009, 102, 073007.	2.9	102
6	Properties of WAu12. Physical Chemistry Chemical Physics, 2004, 6, 11-22.	1.3	97
7	Control and femtosecond time-resolved imaging of torsion in a chiral molecule. Journal of Chemical Physics, 2012, 136, 204310.	1.2	83
8	At What Size Do Neutral Gold Clusters Turn Three-Dimensional?. Journal of Physical Chemistry C, 2014, 118, 29370-29377.	1.5	70
9	The Spin Distribution in Low-Spin Iron Porphyrins. Journal of the American Chemical Society, 2002, 124, 11771-11780.	6.6	64
10	Terminal Electronâ€“Proton Transfer Dynamics in the Quinone Reduction of Respiratory Complex I. Journal of the American Chemical Society, 2017, 139, 16282-16288.	6.6	62
11	Intramolecular halogenâ€“halogen bonds?. Physical Chemistry Chemical Physics, 2013, 15, 11543.	1.3	61
12	Dynamic Stark Control of Torsional Motion by a Pair of Laser Pulses. Physical Review Letters, 2014, 113, 073005.	2.9	60
13	Covariance imaging experiments using a pixel-imaging mass-spectrometry camera. Physical Review A, 2014, 89, .	1.0	59
14	A combined experimental and theoretical study on realizing and using laser controlled torsion of molecules. Journal of Chemical Physics, 2009, 130, 234310.	1.2	55
15	On the Strong Ring Currents in B₂₀ and Neighboring Boron Toroids. Journal of Physical Chemistry C, 2009, 113, 524-530.	1.5	51
16	Coulomb-explosion imaging using a pixel-imaging mass-spectrometry camera. Physical Review A, 2015, 91, .	1.0	50
17	Change in electron and spin density upon electron transfer to haem. Biochimica Et Biophysica Acta - Bioenergetics, 2002, 1553, 183-187.	0.5	49
18	Charge parameterization of the metal centers in cytochrome c oxidase. Journal of Computational Chemistry, 2008, 29, 753-767.	1.5	48

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19	The chemistry of the CuB site in cytochrome c oxidase and the importance of its unique Hisâ€“Tyr bond. Biochimica Et Biophysica Acta - Bioenergetics, 2009, 1787, 221-233.	0.5	47
20	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.	1.2	44
21	Nanosecond electron tunneling between the hemes in cytochrome bo ₃. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20811-20814.	3.3	40
22	Spin and charge distribution in iron porphyrin models: A coupled cluster and density-functional study. Journal of Chemical Physics, 2004, 120, 3229-3236.	1.2	37
23	Exploring the Stability of Golden Fullerenes. Journal of Physical Chemistry C, 2008, 112, 19311-19315.	1.5	37
24	Excited State Potential Energy Surfaces of Polyenes and Protonated Schiff Bases. Journal of Chemical Theory and Computation, 2009, 5, 2401-2414.	2.3	36
25	Arsole Aromaticity Revisited. Letters in Organic Chemistry, 2005, 2, 469-474.	0.2	33
26	Fixing the Chirality and Trapping the Transition State of Helicene with Atomic Metal Glue. Chemistry - A European Journal, 2009, 15, 13210-13218.	1.7	31
27	The importance of being tetrahedral: the cadmium pyramids CdN; N = 4, 10, 20, 35 and 56. Physical Chemistry Chemical Physics, 2004, 6, 2907-2909.	1.3	30
28	Acetyl Group Migration across the Saccharide Units in Oligomannoside Model Compound. Journal of the American Chemical Society, 2019, 141, 1646-1654.	6.6	30
29	(Z)-1-Aryl-1-haloalkenes as Intermediates in the Vilsmeier Haloformylation of Aryl Ketones. Organic Letters, 2003, 5, 3387-3390.	2.4	27
30	Interheme electron tunneling in cytochrome c oxidase. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21470-21475.	3.3	26
31	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.	1.6	25
32	WAu12(CO)12?. Chemical Communications, 2010, 46, 3762.	2.2	21
33	Subtle effects control the polymerisation mechanism in Î±-diimine iron catalysts. Dalton Transactions, 2011, 40, 8419.	1.6	19
34	Autoxidation of Conjugated Linoleic Acid Methyl Ester in the Presence of Î±â€Tocopherol: The Hydroperoxide Pathway. Lipids, 2008, 43, 599-610.	0.7	15
35	A stepwise atomic, valence-molecular, and full-molecular optimisation of the Hartreeâ€“Fock/Kohnâ€“Sham energy. Physical Chemistry Chemical Physics, 2009, 11, 5805.	1.3	15
36	Addressing the Biochemical Foundations of a Glucose-Based â€œTrojan Horseâ€•Strategy to Boron Neutron Capture Therapy: From Chemical Synthesis to In Vitro Assessment. Molecular Pharmaceutics, 2020, 17, 3885-3899.	2.3	15

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37	Exploring the Biochemical Foundations of a Successful GLUT1-Targeting Strategy to BNCT: Chemical Synthesis and In Vitro Evaluation of the Entire Positional Isomer Library of ortho-Carboranylmethyl-Bearing Glucoconjugates. Molecular Pharmaceutics, 2021, 18, 285-304.	2.3	15
38	Robust and Reliable Multilevel Minimization of the Kohnâ˜Sham Energy. Journal of Chemical Theory and Computation, 2009, 5, 1027-1032.	2.3	12
39	Magnetizabilities at Self-Interaction-Corrected Density Functional Theory Level. Journal of Chemical Theory and Computation, 2010, 6, 3302-3311.	2.3	10
40	Chemical bonding in supermolecular flowers. Physical Chemistry Chemical Physics, 2012, 14, 14905.	1.3	9
41	Coreâ€“Satellite Gold Nanoparticle Complexes Grown by Inert Gas-Phase Condensation. Journal of Physical Chemistry C, 2020, 124, 24441-24450.	1.5	8
42	Increasing the Potential of the Auristatin Cancer-Drug Family by Shifting the Conformational Equilibrium. Molecular Pharmaceutics, 2019, 16, 3600-3608.	2.3	7
43	Sphere Currents of Buckminsterfullerene. Angewandte Chemie, 2005, 117, 1877-1880.	1.6	6
44	Ab Initio, Density Functional Theory, and Semi-Empirical Calculations. Methods in Molecular Biology, 2013, 924, 3-27.	0.4	6
45	Dispersion forces drive water oxidation in molecular ruthenium catalysts. RSC Advances, 2021, 11, 425-432.	1.7	4
46	Density Functional Study on UV/VIS Spectra of Copper-Protein Active Sites: The Effect of Mutations. Chemistry and Biodiversity, 2012, 9, 1728-1738.	1.0	2
47	Conformational Selection of Dimethylarginine Recognition by the Survival Motor Neuron Tudor Domain. Angewandte Chemie - International Edition, 2018, 57, 486-490.	7.2	2
48	Magnetically induced ring currents in naphthalene-fused heteroporphyrinoids. Physical Chemistry Chemical Physics, 2021, 23, 16629-16634.	1.3	2
49	Halogenation at the Phenylalanine Residue of Monomethyl Auristatin F Leads to a Favorable cis/trans Equilibrium and Retained Cytotoxicity. Molecular Pharmaceutics, 2021, 18, 3125-3131.	2.3	2
50	(Z)-1-Aryl-1-haloalkenes as Intermediates in the Vilsmeier Haloformylation of Aryl Ketones.. ChemInform, 2004, 35, no.	0.1	0
51	Properties of WAu12.. ChemInform, 2004, 35, no.	0.1	0
52	Au32: A 24-Carat Golden Fullerene.. ChemInform, 2004, 35, no.	0.1	0
53	The Importance of Being Tetrahedral: The Cadmium Pyramids CdN; N = 4, 10, 20, 35 and 56.. ChemInform, 2004, 35, no.	0.1	0
54	Sphere Currents of Buckminsterfullerene.. ChemInform, 2005, 36, no.	0.1	0

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55	Towards a mechanistic model for redox-driven proton pumping in respiratory complex I. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, e40.	0.5	0
56	Conformational Selection of Dimethylarginine Recognition by the Survival Motor Neuron Tudor Domain. Angewandte Chemie, 2018, 130, 495-499.	1.6	0
57	Quantum Chemical Studies of the Ground States of the Metal Centres in Haem-Copper Oxidases. Current Inorganic Chemistry, 2012, 2, 316-324.	0.2	0