Matthias Hennemann

List of Publications by Year
in descending order

33 papers	2,935 citations	516215 16 h-index	414034 32 g-index
36 all docs	36 docs citations	36 times ranked	3318 citing authors

#	Article	IF	Citations
1	Energy Efficient Ultrahigh Flux Separation of Oily Pollutants from Water with Superhydrophilic Nanoscale Metalâ€“Organic Framework Architectures. Angewandte Chemie - International Edition, 2021, 60, 5519-5526.	7.2	66
2	Energy Efficient Ultrahigh Flux Separation of Oily Pollutants from Water with Superhydrophilic Nanoscale Metalâ€“Organic Framework Architectures. Angewandte Chemie, 2021, 133, 5579-5586.	1.6	8
3	Titelbild: An Electrically Conducting Threeâ€Dimensional Ironâ€“Catecholate Porous Framework (Angew.) Tj ETQq1 1 0.784314 rgBT /O	1.6	0
4	An Electrically Conducting Threeâ€Dimensional Ironâ€“Catecholate Porous Framework. Angewandte Chemie, 2021, 133, 18213-18220.	1.6	4
5	An Electrically Conducting Threeâ€Dimensional Ironâ€“Catecholate Porous Framework. Angewandte Chemie - International Edition, 2021, 60, 18065-18072.	7.2	24
6	EMPIRE: a highly parallel semiempirical molecular orbital program: 3: Born-Oppenheimer molecular dynamics. Journal of Molecular Modeling, 2020, 26, 43.	0.8	10
7	Size-Dependent Local Ordering in Melanin Aggregates and Its Implication on Optical Properties. Journal of Physical Chemistry A, 2019, 123, 9403-9412.	1.1	4
8	Propagation of Holes and Electrons in Metalâ€“Organic Frameworks. Journal of Chemical Information and Modeling, 2019, 59, 5057-5064.	2.5	12
9	The Feynman dispersion correction for MNDO extended to F, Cl, Br and I. Journal of Molecular Modeling, 2019, 25, 156.	0.8	3
10	The Feynman dispersion correction for MNDO extended to F, Cl, Br and I. , 2019, 25, 1.		1
11	Solvatochromic covalent organic frameworks. Nature Communications, 2018, 9, 3802.	5.8	171
12	The hpCADD NDDO Hamiltonian: Parametrization. Journal of Chemical Information and Modeling, 2017, 57, 1907-1922.	2.5	11
13	Spontaneous butenolide ring formation of pregnane-21-O-malonyl hemiesters under mild reaction conditions is facilitated by the 14Î²-hydroxy group present in all natural cardenolides. Tetrahedron, 2016, 72, 4556-4563.	1.0	4
14	EMPIRE: a highly parallel semiempirical molecular orbital program: 2: periodic boundary conditions. Journal of Molecular Modeling, 2015, 21, 144.	0.8	27
15	Self-consistent field convergence for proteins: a comparison of full and localized-molecular-orbital schemes. Journal of Molecular Modeling, 2014, 20, 2159.	0.8	12
16	EMPIRE: a highly parallel semiempirical molecular orbital program: 1: self-consistent field calculations. Journal of Molecular Modeling, 2014, 20, 2331.	0.8	52
17	Quantum-mechanics-based molecular interaction fields for 3D-QSAR. Journal of Cheminformatics, 2014, 6, O10.	2.8	3
18	Improving the Charge Transport in Self-Assembled Monolayer Field-Effect Transistors: From Theory to Devices. Journal of the American Chemical Society, 2013, 135, 4893-4900.	6.6	72

#	Article	IF	Citations
19	Quantum Mechanics-Based Properties for 3D-QSAR. Journal of Chemical Information and Modeling, 2013, 53, 1486-1502.	2.5	24
20	Predicting the Sites and Energies of Noncovalent Intermolecular Interactions Using Local Properties. Journal of Chemical Information and Modeling, 2012, 52, 1061-1071.	2.5	14
21	Polarization-induced Ïƒ-holes and hydrogen bonding. Journal of Molecular Modeling, 2012, 18, 2461-2469.	0.8	121
22	Unprecedented triphosphinine iron interactions: Intramolecular electron transfer, reactivity round a corner, and a low-activated ring element exchange reaction. Comptes Rendus Chimie, 2010, 13, 1203-1212.	0.2	14
23	The Effect of a Complexed Lithium Cation on a Norcaraneâ€Based Radical Clock. Chemistry - A European Journal, 2009, 15, 2425-2433.	1.7	7
24	CypScore: Quantitative Prediction of Reactivity toward Cytochromes P450 Based on Semiempirical Molecular Orbital Theory. ChemMedChem, 2009, 4, 657-669.	1.6	69
25	An ab initio and Density Functional Theory Study of Radical-Clock Reactions. Journal of Organic Chemistry, 2008, 73, 1536-1545.	1.7	13
26	Halogen bonding: the Ïƒ-hole. Journal of Molecular Modeling, 2007, 13, 291-296.	0.8	2,004
27	In Silico Prediction of Buffer Solubility Based on Quantum-Mechanical and HQSAR- and Topology-Based Descriptors. Journal of Chemical Information and Modeling, 2006, 46, 648-658.	2.5	35
28	Near-infrared Fourier transform surface-enhanced Raman scattering spectroscopy of 1,4-benzodiazepine drugs employing gold films over nanospheres. Journal of Raman Spectroscopy, 2004, 35, 368-383.	1.2	16
29	Intramolecular Reactivity of Ï€-Coordinated P-Heterocycles: How to Form Five-Membered Rings out of Phosphaalkynes. Phosphorus, Sulfur and Silicon and the Related Elements, 2002, 177, 1523-1527.	0.8	4
30	Solvation Largely Accounts for the Effect ofN-Alkylation on the Properties of Nickel(II/I) and Chromium(III/II) Cyclam Complexes. Inorganic Chemistry, 2002, 41, 2927-2935.	1.9	40
31	Ambiphilicity: A Characteristic Reactivity Principle of Ï€-Bound Phosphorus Heterocycles. Angewandte Chemie - International Edition, 2002, 41, 4047-4052.	7.2	22
32	A QSPR-Approach to the Estimation of the p K HB of Six-Membered Nitrogen-Heterocycles using Quantum Mechanically Derived Descriptors. Journal of Molecular Modeling, 2002, 8, 95-101.	0.8	33
33	P6 Manganocene and P3 Cymantrene: Consequences of the Inclusion of Phosphorus Atoms in Mn-Coordinated Cyclopentadienyl Ligands. Angewandte Chemie - International Edition, 2000, 39, 2087-2091.	7.2	33