

# Erin Johnson

## List of Publications by Year in descending order

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139  
papers

22,628  
citations

50276

46  
h-index

10734

138  
g-index

152  
all docs

152  
docs citations

152  
times ranked

18069  
citing authors

#	ARTICLE	IF	CITATIONS
1	Revealing Noncovalent Interactions. <i>Journal of the American Chemical Society</i> , 2010, 132, 6498-6506.	13.7	6,465
2	NCIPLOT: A Program for Plotting Noncovalent Interaction Regions. <i>Journal of Chemical Theory and Computation</i> , 2011, 7, 625-632.	5.3	2,897
3	Predicting the Activity of Phenolic Antioxidants: A Theoretical Method, Analysis of Substituent Effects, and Application to Major Families of Antioxidants. <i>Journal of the American Chemical Society</i> , 2001, 123, 1173-1183.	13.7	1,367
4	A simple effective potential for exchange. <i>Journal of Chemical Physics</i> , 2006, 124, 221101.	3.0	1,200
5	A density-functional model of the dispersion interaction. <i>Journal of Chemical Physics</i> , 2005, 123, 154101.	3.0	1,150
6	A post-Hartree-Fock model of intermolecular interactions: Inclusion of higher-order corrections. <i>Journal of Chemical Physics</i> , 2006, 124, 174104.	3.0	896
7	A post-Hartree-Fock model of intermolecular interactions. <i>Journal of Chemical Physics</i> , 2005, 123, 024101.	3.0	735
8	Exchange-hole dipole moment and the dispersion interaction. <i>Journal of Chemical Physics</i> , 2005, 122, 154104.	3.0	497
9	Critic2: A program for real-space analysis of quantum chemical interactions in solids. <i>Computer Physics Communications</i> , 2014, 185, 1007-1018.	7.5	497
10	Exchange-hole dipole moment and the dispersion interaction revisited. <i>Journal of Chemical Physics</i> , 2007, 127, 154108.	3.0	432
11	Analysis of Hydrogen-Bond Interaction Potentials from the Electron Density: Integration of Noncovalent Interaction Regions. <i>Journal of Physical Chemistry A</i> , 2011, 115, 12983-12990.	2.5	339
12	Dispersion interactions in density-functional theory. <i>Journal of Physical Organic Chemistry</i> , 2009, 22, 1127-1135.	1.9	322
13	A benchmark for non-covalent interactions in solids. <i>Journal of Chemical Physics</i> , 2012, 137, 054103.	3.0	300
14	Revealing non-covalent interactions in solids: NCI plots revisited. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 12165.	2.8	279
15	Application of 25 density functionals to dispersion-bound homomolecular dimers. <i>Chemical Physics Letters</i> , 2004, 394, 334-338.	2.6	237
16	Van der Waals interactions in solids using the exchange-hole dipole moment model. <i>Journal of Chemical Physics</i> , 2012, 136, 174109.	3.0	197
17	A unified density-functional treatment of dynamical, nondynamical, and dispersion correlations. <i>Journal of Chemical Physics</i> , 2007, 127, 124108.	3.0	193
18	Lone Pair- $\pi$ and $\pi$ - $\pi$ Interactions Play an Important Role in Proton-Coupled Electron Transfer Reactions. <i>Journal of the American Chemical Society</i> , 2007, 129, 6199-6203.	13.7	185

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19	Exchange-hole dipole moment and the dispersion interaction: High-order dispersion coefficients. <i>Journal of Chemical Physics</i> , 2006, 124, 014104.	3.0	184
20	Delocalization errors in density functionals and implications for main-group thermochemistry. <i>Journal of Chemical Physics</i> , 2008, 129, 204112.	3.0	159
21	Naphthalene Diols: A New Class of Antioxidants Intramolecular Hydrogen Bonding in Catechols, Naphthalene Diols, and Their Aryloxy Radicals. <i>Journal of Organic Chemistry</i> , 2002, 67, 5190-5196.	3.2	154
22	Oscillations in meta-generalized-gradient approximation potential energy surfaces for dispersion-bound complexes. <i>Journal of Chemical Physics</i> , 2009, 131, 034111.	3.0	153
23	Patterning of Vinylferrocene on H <sup>+</sup> Si(100) via Self-Directed Growth of Molecular Lines and STM-Induced Decomposition. <i>Nano Letters</i> , 2002, 2, 807-810.	9.1	139
24	Structure and binding energies in van der Waals dimers: Comparison between density functional theory and correlated ab initio methods. <i>Chemical Physics Letters</i> , 2006, 419, 333-339.	2.6	136
25	Emergent Properties of an Organic Semiconductor Driven by its Molecular Chirality. <i>ACS Nano</i> , 2017, 11, 8329-8338.	14.6	136
26	Non-covalent interactions and thermochemistry using XDM-corrected hybrid and range-separated hybrid density functionals. <i>Journal of Chemical Physics</i> , 2013, 138, 204109.	3.0	130
27	Performance of conventional and dispersion-corrected density-functional theory methods for hydrogen bonding interaction energies. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 12821.	2.8	120
28	Origin of Nanoscale Friction Contrast between Supported Graphene, MoS <sub>2</sub> , and a Graphene/MoS <sub>2</sub> Heterostructure. <i>Nano Letters</i> , 2019, 19, 5496-5505.	9.1	115
29	Density Functional Theory Based Model Calculations for Accurate Bond Dissociation Enthalpies. 3. A Single Approach for X <sup>+</sup> H, X <sup>+</sup> X, and X <sup>+</sup> Y (X, Y = C, N, O, S, Halogen) Bonds. <i>Journal of Physical Chemistry A</i> , 2003, 107, 9953-9963.	2.5	109
30	Singlet-Triplet Energy Gaps for Diradicals from Fractional-Spin Density-Functional Theory. <i>Journal of Physical Chemistry A</i> , 2011, 115, 76-83.	2.5	107
31	Large negative thermal expansion of a polymer driven by a submolecular conformational change. <i>Nature Chemistry</i> , 2013, 5, 1035-1041.	13.6	103
32	Halogen Bonding from Dispersion-Corrected Density-Functional Theory: The Role of Delocalization Error. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 5436-5447.	5.3	100
33	Extreme density-driven delocalization error for a model solvated-electron system. <i>Journal of Chemical Physics</i> , 2013, 139, 184116.	3.0	93
34	Density-functional description of electrides. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 14584-14593.	2.8	76
35	Structure and formation of highly luminescent protein-stabilized gold clusters. <i>Chemical Science</i> , 2018, 9, 2782-2790.	7.4	76
36	Delocalization error of density-functional approximations: A distinct manifestation in hydrogen molecular chains. <i>Journal of Chemical Physics</i> , 2012, 137, 214106.	3.0	66

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37	Many-body dispersion interactions from the exchange-hole dipole moment model. <i>Journal of Chemical Physics</i> , 2013, 138, 054103.	3.0	65
38	Theoretical Descriptors of Electrudes. <i>Journal of Physical Chemistry A</i> , 2018, 122, 9371-9391.	2.5	63
39	Van der Waals interactions from the exchange hole dipole moment: Application to bio-organic benchmark systems. <i>Chemical Physics Letters</i> , 2006, 432, 600-603.	2.6	61
40	Predicting the Relative Solubilities of Racemic and Enantiopure Crystals by Density-Functional Theory. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7879-7882.	13.8	56
41	Exchange-Hole Dipole Dispersion Model for Accurate Energy Ranking in Molecular Crystal Structure Prediction. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 441-450.	5.3	56
42	Density-functional errors in ionization potential with increasing system size. <i>Journal of Chemical Physics</i> , 2015, 142, 184106.	3.0	52
43	Bisphosphine-Ligated Nickel Pre-catalysts in C(sp <sup>2</sup> )-N Cross-Couplings of Aryl Chlorides: A Comparison of Nickel(I) and Nickel(II). <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2972-2980.	4.3	51
44	Adsorption of Organic Molecules on Kaolinite from the Exchange-Hole Dipole Moment Dispersion Model. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 5124-5131.	5.3	50
45	A computational exploration of the crystal energy and charge-carrier mobility landscapes of the chiral [6]helicene molecule. <i>Nanoscale</i> , 2018, 10, 1865-1876.	5.6	48
46	Metallophilic interactions from dispersion-corrected density-functional theory. <i>Journal of Chemical Physics</i> , 2014, 140, 18A504.	3.0	47
47	Carbon Nanotube Chirality Determines Efficiency of Electron Transfer to Fullerene in All-Carbon Photovoltaics. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2914-2918.	4.6	46
48	Pervasive Delocalisation Error Causes Spurious Proton Transfer in Organic Acid-Base Co-Crystals. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14906-14910.	13.8	45
49	Hydroboration Catalyzed by 1,2,4,3-Triazaphosphenes. <i>Organic Letters</i> , 2017, 19, 5565-5568.	4.6	44
50	Surface Adsorption from the Exchange-Hole Dipole Moment Dispersion Model. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 3305-3315.	5.3	43
51	Delocalization error: The greatest outstanding challenge in density-functional theory. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2023, 13, .	14.6	43
52	Efficient silicon surface and cluster modeling using quantum capping potentials. <i>Journal of Chemical Physics</i> , 2005, 122, 044708.	3.0	42
53	Communication: DFT treatment of strong correlation in 3d transition-metal diatomics. <i>Journal of Chemical Physics</i> , 2017, 146, 211105.	3.0	42
54	Modeling Noncovalent Radical-Molecule Interactions Using Conventional Density-Functional Theory: Beware Erroneous Charge Transfer. <i>Journal of Physical Chemistry A</i> , 2013, 117, 947-952.	2.5	41

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55	Evaluating Force-Field London Dispersion Coefficients Using the Exchange-Hole Dipole Moment Model. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 6146-6157.	5.3	40
56	A unified density-functional treatment of dynamical, nondynamical, and dispersion correlations. II. Thermochemical and kinetic benchmarks. <i>Journal of Chemical Physics</i> , 2008, 128, 124105.	3.0	39
57	Predicting Energetics of Supramolecular Systems Using the XDM Dispersion Model. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 4033-4040.	5.3	39
58	Requirements for an accurate dispersion-corrected density functional. <i>Journal of Chemical Physics</i> , 2021, 154, 230902.	3.0	39
59	Local-hybrid functional based on the correlation length. <i>Journal of Chemical Physics</i> , 2014, 141, 124120.	3.0	38
60	The Exchange-Hole Dipole Moment Dispersion Model. , 2017, , 169-194.		37
61	(Ag,Cu)â€“Taâ€“O Ternaries As High-Temperature Solid-Lubricant Coatings. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 15422-15429.	8.0	32
62	Evaluating the London Dispersion Coefficients of Protein Force Fields Using the Exchange-Hole Dipole Moment Model. <i>Journal of Physical Chemistry B</i> , 2018, 122, 6690-6701.	2.6	32
63	Dependence of dispersion coefficients on atomic environment. <i>Journal of Chemical Physics</i> , 2011, 135, 234109.	3.0	31
64	Communication: A density functional with accurate fractional-charge and fractional-spin behaviour for $\langle i \rangle$ -electrons. <i>Journal of Chemical Physics</i> , 2011, 135, 081103.	3.0	31
65	Exchange-Hole Dipole Dispersion Model for Accurate Energy Ranking in Molecular Crystal Structure Prediction II: Nonplanar Molecules. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 5332-5342.	5.3	31
66	Quantum Chemical Methods for Modeling Covalent Modification of Biological Thiols. <i>Journal of Computational Chemistry</i> , 2020, 41, 427-438.	3.3	31
67	Effect of tip shape on atomic-friction at graphite step edges. <i>Applied Physics Letters</i> , 2013, 103, 081601.	3.3	30
68	What is â€œmany-bodyâ€•dispersion and should I worry about it?. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 8266-8276.	2.8	30
69	Density functionals and transition-metal atoms. <i>Journal of Chemical Physics</i> , 2007, 126, 184104.	3.0	29
70	Efficient basis sets for non-covalent interactions in XDM-corrected density-functional theory. <i>Journal of Chemical Physics</i> , 2013, 139, 214109.	3.0	29
71	Reevaluating the Stability and Prevalence of Conglomerates: Implications for Preferential Crystallization. <i>Crystal Growth and Design</i> , 2016, 16, 6055-6059.	3.0	29
72	Variational fractional-spin density-functional theory for diradicals. <i>Journal of Chemical Physics</i> , 2012, 137, 114112.	3.0	27

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73	Application of Diazaphospholidine/Diazaphospholene-Based Bisphosphines in Room-Temperature Nickel-Catalyzed C(sp <sup>2</sup> )–N Cross-Couplings of Primary Alkylamines with (Hetero)aryl Chlorides and Bromides. <i>ACS Catalysis</i> , 2018, 8, 5328-5339.	11.2	26
74	Theoretical Study of Dispersion Binding of Hydrocarbon Molecules to Hydrogen-Terminated Silicon(100)-2Å–1. <i>Journal of Physical Chemistry C</i> , 2009, 113, 5681-5689.	3.1	24
75	Tests of an exact-exchange-based density-functional theory on transition-metal complexes. <i>Canadian Journal of Chemistry</i> , 2009, 87, 1369-1373.	1.1	24
76	Exchange–Correlation Effects for Noncovalent Interactions in Density Functional Theory. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 3160-3175.	5.3	24
77	Balancing Exchange Mixing in Density-Functional Approximations for Iron Porphyrin. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 3022-3028.	5.3	22
78	Adsorption of graphene to metal (111) surfaces using the exchange-hole dipole moment model. <i>Carbon</i> , 2017, 124, 531-540.	10.3	22
79	Dispersion XDM with Hybrid Functionals: Delocalization Error and Halogen Bonding in Molecular Crystals. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 4933-4944.	5.3	22
80	Communication: Correct charge transfer in CT complexes from the Becke–Pople density functional. <i>Journal of Chemical Physics</i> , 2018, 148, 211101.	3.0	20
81	Chemical Basis of the Tribological Properties of AgTaO <sub>3</sub> Crystal Surfaces. <i>Journal of Physical Chemistry C</i> , 2014, 118, 17577-17584.	3.1	18
82	Oscillatory motion in layered materials: graphene, boron nitride, and molybdenum disulfide. <i>Nanotechnology</i> , 2015, 26, 165701.	2.6	18
83	Adsorption of graphene to nickel (111) using the exchange-hole dipole moment model. <i>Carbon</i> , 2017, 118, 184-191.	10.3	18
84	Composite and Low-Cost Approaches for Molecular Crystal Structure Prediction. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 2265-2276.	5.3	18
85	Evaluation of Shear-Slip Transitions in Crystalline Aspirin by Density-Functional Theory. <i>Crystal Growth and Design</i> , 2016, 16, 6867-6873.	3.0	17
86	Asymptotic Pairwise Dispersion Corrections Can Describe Layered Materials Accurately. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2298-2302.	4.6	17
87	Convergence of calculated nuclear magnetic resonance chemical shifts in a protein with respect to quantum mechanical model size. <i>Computational and Theoretical Chemistry</i> , 2009, 898, 56-61.	1.5	16
88	Density-Functional Errors in Alkanes: A Real-Space Perspective. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 2676-2681.	5.3	16
89	The explicit examination of the magnetic states of electrides. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 27326-27335.	2.8	16
90	The ionic versus metallic nature of 2D electrides: a density-functional description. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 27343-27352.	2.8	16

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91	Radicals as hydrogen bond donors and acceptors. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2009, 1, 133-140.	3.6	15
92	A density functional for strong correlation in atoms. <i>Journal of Chemical Physics</i> , 2013, 139, 074110.	3.0	15
93	Interrogating the Becke-Perdew density functional for non-locality information. <i>Journal of Chemical Physics</i> , 2017, 147, 154103.	3.0	15
94	Are dispersion corrections accurate outside equilibrium? A case study on benzene. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 1181-1191.	2.2	15
95	Spin-state splittings, highest-occupied-molecular-orbital and lowest-unoccupied-molecular-orbital energies, and chemical hardness. <i>Journal of Chemical Physics</i> , 2010, 133, 164107.	3.0	14
96	Chemical bonding and surface interactions in Bi <sub>2</sub> Se <sub>3</sub> and Bi <sub>4</sub> Se <sub>3</sub> . <i>Computational and Theoretical Chemistry</i> , 2015, 1053, 238-244.	2.5	14
97	Pressure-Induced Isostructural Antiferromagnetic-Ferromagnetic Transition in an Organic Electride. <i>Journal of Physical Chemistry C</i> , 2018, 122, 12742-12747.	3.1	14
98	Crystal-energy landscapes of active pharmaceutical ingredients using composite approaches. <i>CrystEngComm</i> , 2019, 21, 5995-6009.	2.6	14
99	Theoretical modeling of structural superlubricity in rotated bilayer graphene, hexagonal boron nitride, molybdenum disulfide, and blue phosphorene. <i>Nanoscale</i> , 2021, 13, 14399-14407.	5.6	13
100	Hydrogen-bond strengths in large complexes: Efficient calculations using locally dense basis sets. <i>Chemical Physics Letters</i> , 2007, 435, 201-207.	2.6	12
101	Pentacene Binds Strongly to Hydrogen-Terminated Silicon Surfaces Via Dispersion Interactions. <i>Journal of Physical Chemistry C</i> , 2009, 113, 9969-9973.	3.1	12
102	An empirical model for silver tantalate. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2013, 21, 055002.	2.0	12
103	Quantitative Electron Delocalization in Solids from Maximally Localized Wannier Functions. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 4699-4710.	5.3	12
104	Gold( <i>sc</i> ) sulfide: unusual bonding and an unexpected computational challenge in a simple solid. <i>Chemical Science</i> , 2019, 10, 6467-6475.	7.4	12
105	Counterintuitive electron localisation from density-functional theory with polarisable solvent models. <i>Journal of Chemical Physics</i> , 2015, 143, 184112.	3.0	11
106	Application of XDM to ionic solids: The importance of dispersion for bulk moduli and crystal geometries. <i>Journal of Chemical Physics</i> , 2020, 153, 054121.	3.0	11
107	Computational Screening of Chiral Organic Semiconductors: Exploring Side-Group Functionalization and Assembly to Optimize Charge Transport. <i>Crystal Growth and Design</i> , 2021, 21, 5036-5049.	3.0	11
108	Reply to comment on "Application of 25 density functionals to dispersion-bound homomolecular dimers" [Chem. Phys. Lett. 394 (2004) 334-338]. <i>Chemical Physics Letters</i> , 2005, 401, 595-596.	2.6	10

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109	Judging Density-Functional Approximations: Some Pitfalls of Statistics. <i>Topics in Current Chemistry</i> , 2014, , 81-95.	4.0	10
110	Pervasive Delocalisation Error Causes Spurious Proton Transfer in Organic Acid-Base Co-Crystals. <i>Angewandte Chemie</i> , 2018, 130, 15122-15126.	2.0	10
111	Probing the Influence of PAd-DalPhos Ancillary Ligand Structure on Nickel-Catalyzed Ammonia Cross-Coupling. <i>Organometallics</i> , 2018, 37, 4015-4023.	2.3	10
112	Identification of a Nitrenoid Reductive Elimination Pathway in Nickel-Catalyzed C-N Cross-Coupling. <i>ACS Catalysis</i> , 2022, 12, 1475-1480.	11.2	10
113	Contributions of pauli repulsions to the energetics and physical properties computed in QM/MM methods. <i>Journal of Computational Chemistry</i> , 2013, 34, 2380-2388.	3.3	9
114	Effect of a Metal Substrate on Interlayer Interactions in Bilayer Graphene. <i>Journal of Physical Chemistry C</i> , 2018, 122, 8910-8918.	3.1	9
115	Density-functional description of alkalides: introducing the alkalide state. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 26710-26718.	2.8	9
116	Communication: Becke's virial exciton model gives accurate charge-transfer excitation energies. <i>Journal of Chemical Physics</i> , 2018, 149, 231101.	3.0	9
117	Non-Covalent Interactions in Molecular Crystals: Exploring the Accuracy of the Exchange-Hole Dipole Moment Model with Local Orbitals. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 5715-5724.	5.3	9
118	The effect of electronic excitation on London dispersion. <i>Canadian Journal of Chemistry</i> , 2018, 96, 730-737.	1.1	9
119	Theoretical investigation of polymorph- and cofomer-dependent photoluminescence in molecular crystals. <i>CrystEngComm</i> , 2021, 23, 4264-4271.	2.6	9
120	Clusters in Liquid Fatty Acids: Structure and Role in Nucleation. <i>Journal of Physical Chemistry B</i> , 2019, 123, 7043-7054.	2.6	8
121	Hydrostibination of Alkynes: A Radical Mechanism**. <i>Chemistry - A European Journal</i> , 2020, 26, 17134-17142.	3.3	8
122	The Relative Thermodynamic Stability of Diamond and Graphite. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1546-1549.	13.8	8
123	Thermodynamic cycles of the alkali metal-ligand complexes central to electride formation. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 12816-12825.	2.8	7
124	Theoretical investigation of amino-acid adsorption on hydroxylated quartz surfaces: dispersion can determine enantioselectivity. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 16571-16578.	2.8	7
125	A density-functional benchmark of vibrational free-energy corrections for molecular crystal polymorphism. <i>Journal of Chemical Physics</i> , 2022, 156, 114108.	3.0	7
126	New XDM-corrected potential energy surfaces for Ar-NO(X2): A comparison with CCSD(T) calculations and experiments. <i>Journal of Chemical Physics</i> , 2015, 142, 024302.	3.0	6



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127	Potent Inhibition of Mandelate Racemase by Boronic Acids: Boron as a Mimic of a Carbon Acid Center. <i>Biochemistry</i> , 2020, 59, 3026-3037.	2.5	6
128	Kinetics of the Addition of Olefins to Si-Centered Radicals: The Critical Role of Dispersion Interactions Revealed by Theory and Experiment. <i>Journal of Physical Chemistry A</i> , 2015, 119, 5883-5888.	2.5	5
129	Analysis of Density-Functional Errors for Noncovalent Interactions between Charged Molecules. <i>Journal of Physical Chemistry A</i> , 2020, 124, 353-361.	2.5	5
130	Improved Charge Transfer and Barrier Lowering across a Au <sup>2+</sup> /MoS <sub>2</sub> Interface through Insertion of a Layered Ca <sub>2</sub> N Electride. <i>Journal of Physical Chemistry C</i> , 2021, 125, 11656-11664.	3.1	5
131	Computational modeling of piezochromism in molecular crystals. <i>Journal of Chemical Physics</i> , 2020, 152, 234106.	3.0	4
132	Improved quantitative crystal-structure comparison using powder diffractograms <i>via</i> anisotropic volume correction. <i>CrystEngComm</i> , 2021, 23, 7118-7131.	2.6	4
133	Interplay between London Dispersion, Hubbard U, and Metastable States for Uranium Compounds. <i>Journal of Physical Chemistry A</i> , 2021, 125, 2791-2799.	2.5	4
134	The role of roughness-induced damping in the oscillatory motion of bilayer graphene. <i>Nanotechnology</i> , 2014, 25, 425703.	2.6	2
135	Directed <i>Ortho</i> and <i>Remote</i> Metalation of Naphthalene 1,8-Diamide: Complementing S <sub>E</sub> Ar Reactivity for the Synthesis of Substituted Naphthalenes. <i>Organic Letters</i> , 2021, 23, 1966-1973.	4.6	2
136	Noncovalent Interactions in Organic Radicals: Pancake, $\pi$ -Hole, and H-Bonding in F2HbimDTDA. <i>Crystal Growth and Design</i> , 0, , .	3.0	2
137	van der Waals potential energy surfaces from the exchange-hole dipole moment dispersion model. <i>Canadian Journal of Chemistry</i> , 2016, 94, 1049-1056.	1.1	1
138	Density Functional Theory Based Model Calculations for Accurate Bond Dissociation Enthalpies. Part 3. A Single Approach for X-H, X-X, and X-Y, (X, Y: C, N, O, S, Halogen) Bonds.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
139	The Relative Thermodynamic Stability of Diamond and Graphite. <i>Angewandte Chemie</i> , 2021, 133, 1570-1573.	2.0	0