

# Yaoming Xie

## List of Publications by Year in descending order

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128  
papers

2,702  
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201575

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132  
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132  
docs citations

132  
times ranked

2298  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Viable Anionic N-Heterocyclic Dicarbene. <i>Journal of the American Chemical Society</i> , 2010, 132, 14370-14372.	6.6	206
2	The protonated water dimer: Extensive theoretical studies of H <sub>5</sub> O <sup>+</sup> . <i>Journal of Chemical Physics</i> , 1994, 101, 4878-4884.	1.2	174
3	Mechanism of the C <sub>2</sub> H <sub>5</sub> +O <sub>2</sub> reaction. <i>Journal of Chemical Physics</i> , 1997, 107, 141-155.	1.2	142
4	The Nature of the Gallium-Gallium Triple Bond. <i>Journal of the American Chemical Society</i> , 1998, 120, 3773-3780.	6.6	124
5	Stabilization of elusive silicon oxides. <i>Nature Chemistry</i> , 2015, 7, 509-513.	6.6	104
6	Hydrogen bonding between the water molecule and the hydroxyl radical (H <sub>2</sub> O...HO): The global minimum. <i>Journal of Chemical Physics</i> , 1993, 98, 8829-8834.	1.2	89
7	Stabilization of Silicon-Carbon Mixed Oxides. <i>Journal of the American Chemical Society</i> , 2015, 137, 8396-8399.	6.6	71
8	Hydrogen bonding between the water molecule and the hydroxyl radical (H <sub>2</sub> O...OH): The 2A <sup>-</sup> and 2A <sup>+</sup> minima. <i>Journal of Chemical Physics</i> , 1991, 94, 2057-2062.	1.2	63
9	The entrance complex, transition state, and exit complex for the F + H <sub>2</sub> O → HF + OH reaction. Definitive predictions. Comparison with popular density functional methods. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 10891.	1.3	63
10	Theory and applications of spin-restricted open-shell Møller-Plesset theory. <i>Molecular Physics</i> , 1993, 79, 777-793.	0.8	55
11	The alkaline earth dimer cations (Be <sub>2</sub> <sup>+</sup> , Mg <sub>2</sub> <sup>+</sup> ), Tj ETQq1 1 0.784314 rgBT /Over Coupled cluster and full configuration interaction studies. <i>Molecular Physics</i> , 2013, 111, 2292-2298.	0.8	54
12	Hexalithiobenzene: a D <sub>6h</sub> equilibrium geometry with six lithium atoms in bridging positions. <i>Chemical Physics Letters</i> , 1991, 179, 563-567.	1.2	53
13	Is the oxywater radical cation more stable than neutral oxywater?. <i>Journal of Chemical Physics</i> , 1996, 104, 7615-7623.	1.2	53
14	Binuclear Homoleptic Manganese Carbonyls: Mn <sub>2</sub> (CO) <sub>x</sub> (x = 10, 9, 8, 7). <i>Inorganic Chemistry</i> , 2003, 42, 5219-5230.	1.9	51
15	Why does Togni's reagent I exist in the high-energy hypervalent iodine form? Re-evaluation of benziodoxole based hypervalent iodine reagents. <i>Chemical Communications</i> , 2016, 52, 5371-5374.	2.2	50
16	A Stable Anionic Dithiolene Radical. <i>Journal of the American Chemical Society</i> , 2017, 139, 6859-6862.	6.6	49
17	The radical anions and the electron affinities of perfluorinated benzene, naphthalene and anthracene Electronic supplementary information (ESI) available: calculated energies and electron affinities for perfluorinated benzene, naphthalene and anthracene and their anions. Calculated structures for perfluorinated naphthalene and anthracene and their anions. See <a href="http://www.rsc.org/suppdata/cc/b2/b208831mi/">http://www.rsc.org/suppdata/cc/b2/b208831mi/</a> . <i>Chemical Communications</i> , 2003, , 102-103.	2.2	47
18	Structures, thermochemistry, and electron affinities of the germanium fluorides, GeF <sub>n</sub> /GeF <sub>n</sub> <sup>-</sup> (n=1-5). <i>Journal of Chemical Physics</i> , 1999, 111, 7945-7953.	1.2	45

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19	Can Oxywater Be Made?. The Journal of Physical Chemistry, 1996, 100, 6076-6080.	2.9	43
20	Ammonia alane. Journal of Chemical Physics, 1992, 96, 5310-5317.	1.2	40
21	Flat Potential Energy Surface of the Saturated Binuclear Homoleptic Chromium Carbonyl Cr <sub>2</sub> (CO) <sub>11</sub> with One, Two, and Three Bridging Carbonyls: Comparison with the Well-Known [HCr <sub>2</sub> (CO) <sub>10</sub> ]- Anion and the Related [( $\frac{1}{4}$ -H) <sub>2</sub> Cr <sub>2</sub> (CO) <sub>9</sub> ] <sup>2-</sup> and [( $\frac{1}{4}$ -H) <sub>2</sub> Cr <sub>2</sub> (CO) <sub>8</sub> ] <sup>2-</sup> Dianions. Journal of Physical Chemistry A, 2001, 105, 11134-11143.	1.1	37
22	A Twist of the Twist Mechanism, 2-Iodoxybenzoic Acid (IBX)-Mediated Oxidation of Alcohol Revisited: Theory and Experiment. Organic Letters, 2017, 19, 6502-6505.	2.4	35
23	Reduction of Dinitrogen via 2,3-Bipyridine-Mediated Tetraboration. Journal of the American Chemical Society, 2020, 142, 6244-6250.	6.6	35
24	The germanium clusters Ge <sub>n</sub> (n= 1-6) and their anions: structures, thermochemistry and electron affinities. Molecular Physics, 2004, 102, 579-598.	0.8	33
25	Metal-Metal Quintuple and Sextuple Bonding in Bent Dimetallocenes of the Third Row Transition Metals. Journal of Chemical Theory and Computation, 2010, 6, 735-746.	2.3	30
26	Communication: Some critical features of the potential energy surface for the Cl + H <sub>2</sub> O $\rightarrow$ HCl + OH forward and reverse reactions. Journal of Chemical Physics, 2013, 139, 041101.	1.2	29
27	Acetylene: Synergy between theory and experiment. Journal of Chemical Physics, 1993, 98, 8384-8391.	1.2	28
28	Naked organosulfur clusters: The infrared spectrum of the C <sub>2</sub> S molecule. Journal of Chemical Physics, 1992, 96, 3714-3717.	1.2	26
29	Push-Pull Stabilization of Parent Monochlorosilylenes. Journal of the American Chemical Society, 2016, 138, 9799-9802.	6.6	26
30	Stabilizing a different cyclooctatetraene stereoisomer. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9803-9808.	3.3	26
31	Metal-Substrate Cooperation Mechanism for Dehydrogenative Amidation Catalyzed by a PNN-Ru Catalyst. Inorganic Chemistry, 2018, 57, 8778-8787.	1.9	24
32	What is the lowest energy structure of the NS <sub>2</sub> molecule?. Journal of Chemical Physics, 1990, 92, 3683-3687.	1.2	23
33	Sulfur clusters: structure, infrared, and Raman spectra of cyclo-S <sub>6</sub> and comparison with the hypothetical cyclo-O <sub>6</sub> molecule. Molecular Physics, 1992, 76, 537-546.	0.8	23
34	The Symmetric Exchange Reaction OH + H <sub>2</sub> O $\rightarrow$ H <sub>2</sub> O + OH: Convergent Quantum Mechanical Predictions. Journal of Physical Chemistry A, 2016, 120, 10223-10230.	1.1	23
35	Stable Boron Dithiolene Radicals. Angewandte Chemie - International Edition, 2018, 57, 7865-7868.	7.2	23
36	F + (H <sub>2</sub> O) <sub>2</sub> Reaction: The Second Water Removes the Barrier. Journal of Physical Chemistry A, 2013, 117, 11979-11982.	1.1	20

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37	Transition-Metal-Mediated Cleavage of a Si $\pi$ - $\frac{3}{4}$ Si Double Bond. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10267-10270.	7.2	20
38	The barrier height for decomposition of HN <sub>2</sub> . <i>Journal of Chemical Physics</i> , 1998, 108, 8029-8030.	1.2	19
39	Binuclear Alkaline Earth Metal Compounds (Be, Mg, Ca, Sr, Ba) with $\hat{\pi}$ -Diimine Ligands: A Computational Study. <i>Organometallics</i> , 2011, 30, 3113-3118.	1.1	18
40	Benchmarking the Electron Affinity of Uracil. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 609-612.	2.3	18
41	Synthesis and molecular structure of an unusual $\hat{\pi}$ -Ga $\hat{\pi}$ -Ga $\hat{\pi}$ -Ga $\hat{\pi}$ linked organometallic. <i>Chemical Communications</i> , 2000, , 453-454.	2.2	17
42	The puzzling infrared spectra of the nitric oxide dimer radical cation: a systematic application of Brueckner methods. <i>Molecular Physics</i> , 2000, 98, 955-959.	0.8	17
43	Facile Conversion of Bis-Silylene to Cyclic Silylene Isomers: Unexpected C $\hat{\pi}$ -N and C $\hat{\pi}$ -H Bond Cleavage. <i>Journal of the American Chemical Society</i> , 2017, 139, 16109-16112.	6.6	17
44	Carbene-Stabilized Disilicon as a Silicon-Transfer Agent: Synthesis of a Dianionic Silicon Tris(dithiolene) Complex. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8864-8867.	7.2	16
45	The silaformyl radical HSiO and its SiOH isomer. <i>Journal of Chemical Physics</i> , 1990, 93, 1196-1199.	1.2	15
46	The infrared spectrum of trimethylenemethane. Predictions of in-plane vibrational frequencies from correlated wave functions. <i>Journal of Chemical Physics</i> , 1990, 92, 1174-1179.	1.2	15
47	The description of elementary organoaluminum fragments: AlCH <sub>x</sub> (x=1,2,3). <i>Journal of Chemical Physics</i> , 1991, 95, 1834-1837.	1.2	14
48	The SiOH $\hat{\pi}$ -HSiO system: A high level quantum mechanical study. <i>Journal of Chemical Physics</i> , 1996, 105, 1951-1958.	1.2	14
49	Structures, thermochemistry, and electron affinities of the disilicon fluorides, Si <sub>2</sub> F <sub>n</sub> /Si <sub>2</sub> F $\hat{\pi}$ <sup>n</sup> (n= 1 $\hat{\pi}$ 6). <i>Molecular Physics</i> , 2001, 99, 1053-1074.	0.8	14
50	Protonation of carbene-stabilized diphosphorus: complexation of HP <sub>2</sub> <sup>+</sup> . <i>Chemical Communications</i> , 2016, 52, 5746-5748.	2.2	14
51	Acceleration Effect of Bases on Mn Pincer Complex-Catalyzed CO <sub>2</sub> Hydroboration. <i>Inorganic Chemistry</i> , 2022, 61, 3970-3980.	1.9	14
52	The electron affinity of CF. <i>Journal of Chemical Physics</i> , 1994, 101, 10191-10192.	1.2	13
53	Conformational Preferences of Gas-Phase Helices: Experiment and Theory Struggle to Agree: The Seven-Residue Peptide Ac-Phe-(Ala) <sub>5</sub> -Lys-H <sup>+</sup> . <i>Chemistry - A European Journal</i> , 2012, 18, 12941-12944.	1.7	13
54	Electron affinities, molecular structures, and thermochemistry of the fluorine, chlorine and bromine substituted methyl radicals. <i>Molecular Physics</i> , 2002, 100, 3615-3648.	0.8	12

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55	Molecular structures, thermochemistry, and electron affinities for the dichlorine oxides: $Cl_2O_n/Cl_2O_n$ ( $n=1-4$ ). <i>International Journal of Quantum Chemistry</i> , 2003, 95, 731-757.	1.0	12
56	Designing new Togni reagents by computation. <i>Chemical Communications</i> , 2019, 55, 5667-5670.	2.2	12
57	Redox chemistry of an anionic dithiolene radical. <i>Dalton Transactions</i> , 2019, 48, 3543-3546.	1.6	12
58	III: PROPERTIES OF COMPLEX SYSTEMS. <i>Molecular Physics</i> , 2003, 101, 211-225.	0.8	11
59	(Acetylene)dicobalt Carbonyl Derivatives: Decarbonylation of the $H_2Co_2(CO)_6$ Tetrahedrane. <i>Organometallics</i> , 2009, 28, 3390-3394.	1.1	11
60	Does the metal-metal sextuple bond exist in the bimetallic sandwich compounds $Cr_2(C_6H_6)_2$ , $Mo_2(C_6H_6)_2$ , and $W_2(C_6H_6)_2$ ? <i>Molecular Physics</i> , 2013, 111, 2523-2535.	0.8	11
61	From Gas-Phase to Liquid-Phase Water Chemical Reactions: The Fluorine Atom Plus Water Trimer System. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11223-11226.	7.2	11
62	The Hydrogen Abstraction Reaction $H_2S + OH \rightarrow H_2O + SH$ : Convergent Quantum Mechanical Predictions. <i>Journal of Physical Chemistry A</i> , 2017, 121, 9136-9145.	1.1	11
63	A Stable Naked Dithiolene Radical Anion and Synergic THF Ring-Opening. <i>Journal of the American Chemical Society</i> , 2020, 142, 17301-17305.	6.6	11
64	Anchoring the potential energy surface for the $Br_2 + H_2O \rightarrow HBr + HOH$ reaction. <i>Theoretical Chemistry Accounts</i> , 2014, 133, 1.	0.5	10
65	Conformers, properties, and docking mechanism of the anticancer drug docetaxel: DFT and molecular dynamics studies. <i>Journal of Computational Chemistry</i> , 2018, 39, 889-900.	1.5	10
66	The Recently Synthesized Dimagnesiabutadiene and the Analogous Dimetalla-Beryllium, Calcium, Strontium, and Barium Compounds. <i>Chemistry - A European Journal</i> , 2016, 22, 15019-15026.	1.7	9
67	Lewis base-complexed magnesium dithiolenes. <i>Chemical Communications</i> , 2019, 55, 8087-8089.	2.2	9
68	The $HO_2 +$ ion. <i>Molecular Physics</i> , 1989, 68, 1095-1109.	0.8	8
69	The silyl anion ( $SiH_3^-$ ): Harmonic vibrational frequencies and infrared intensities predicted at the SCF, CISD, and CCSD levels of theory with substantial basis sets. <i>Journal of Chemical Physics</i> , 1990, 93, 8098-8104.	1.2	8
70	Ring structure of the NO dimer radical cation: A possible new assignment of the mysterious IR absorption at $1424\text{ cm}^{-1}$ . <i>Journal of Chemical Physics</i> , 2002, 117, 9727-9732.	1.2	8
71	Hypervalent molecules, sulfuranes, and persulfuranes: review and studies related to the recent synthesis of the first persulfurane with all substituents carbon-linked. <i>Theoretical Chemistry Accounts</i> , 2009, 124, 151-159.	0.5	8
72	The exothermic $HCl + OH \rightarrow H_2O$ reaction: Removal of the HCl + OH barrier by a single water molecule. <i>Journal of Chemical Physics</i> , 2014, 140, 124316.	1.2	8

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73	The electronic spectra of SNS. Low-lying doublet states. <i>Journal of Chemical Physics</i> , 1990, 93, 5053-5061.	1.2	7
74	The silyl anion (SiH <sup>-3</sup> ): Cubic/quartic force field and anharmonic contributions to the fundamental vibrational frequencies. <i>Journal of Chemical Physics</i> , 1991, 94, 8112-8121.	1.2	7
75	Features of the potential energy surface for the SiO + OH → SiO <sub>2</sub> + H reaction: relationship to oxygen isotopic partitioning during gas phase SiO <sub>2</sub> formation. <i>RSC Advances</i> , 2014, 4, 47163-47168.	1.7	7
76	The electronic spectrum of NS <sub>2</sub> : Low-lying quartet states. <i>Journal of Chemical Physics</i> , 1991, 94, 1277-1287.	1.2	6
77	Novel bromine oxyfluorides: structures, thermochemistry and electron affinities of BrOF <sub>n</sub> /BrO (n = 1-5). <i>Molecular Physics</i> , 2005, 103, 1995-2008.	0.8	6
78	Binuclear hexafluorocyclopentadiene iron carbonyls: bis(dihapto) versus trihapto- <sup>π</sup> monohapto bonding in iron-iron bonded structures. <i>New Journal of Chemistry</i> , 2013, 37, 2902.	1.4	6
79	Ligand conformations and spin states in open metallocenes of the first row transition metals having U-shaped 2,4-dimethylpentadienyl ligands. <i>New Journal of Chemistry</i> , 2016, 40, 8511-8521.	1.4	6
80	From gas-phase to liquid water chemical reactions: The F + (H <sub>2</sub> O) <sub>n</sub> , n = 1-4 systems. <i>Chemical Physics Letters</i> , 2016, 648, 1-7.	1.2	6
81	Stable Boron Dithiolene Radicals. <i>Angewandte Chemie</i> , 2018, 130, 7991-7994.	1.6	6
82	Unusual <sup>1</sup> Coordinated Alkyne and Alkene Complexes. <i>Chemistry - A European Journal</i> , 2019, 25, 15628-15633.	1.7	6
83	Binding modes of cabazitaxel with the different human <sup>2</sup> -tubulin isotypes: DFT and MD studies. <i>Journal of Molecular Modeling</i> , 2020, 26, 162.	0.8	6
84	Carbonyl-Carbon-Centered Mechanism for Catalytic <sup>1</sup> -Methylation. <i>Organometallics</i> , 2021, 40, 2420-2429.	1.1	6
85	Carbene-Stabilized Dithiolene (L <sup>0</sup> ) Zwitterions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22706-22710.	7.2	6
86	The lowest triplet electronic states of polyacenes and perfluoropolyacenes. <i>Molecular Physics</i> , 2007, 105, 2743-2752.	0.8	5
87	Binuclear Cyclopentadienylmolybdenum Carbonyl Derivatives: Where is the Missing Mo-Mo Double-Bonded Species Cp <sub>2</sub> Mo <sub>2</sub> (CO) <sub>5</sub> ?. <i>Organometallics</i> , 2009, 28, 2818-2829.	1.1	5
88	Iron carbonyl thioboronyls: effect of substitution of sulfur for oxygen in the viability of binuclear complexes toward dissociation reactions. <i>Theoretical Chemistry Accounts</i> , 2014, 133, 1.	0.5	4
89	How Small Can a Catenane Be?. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 1511-1517.	2.3	4
90	Tris(butadiene) Metal Complexes of the First-Row Transition Metals versus Coupling of Butadiene to Eight- and Twelve-Carbon Hydrocarbon Chains. <i>Journal of Physical Chemistry A</i> , 2019, 123, 5542-5554.	1.1	4

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91	Labile Imidazolium Cyclopentadienides. <i>Organometallics</i> , 2019, 38, 4578-4584.	1.1	4
92	Carbene-Stabilized Disilicon as a Silicon-Transfer Agent: Synthesis of a Dianionic Silicon Tris(dithiolene) Complex. <i>Angewandte Chemie</i> , 2020, 132, 8949-8952.	1.6	4
93	Heteroatom (N, P, As, Sb, Bi) Effects on the Resonance-Stabilized 2-, 3-, and 4-Picolyl Radicals. <i>Inorganic Chemistry</i> , 2021, 60, 5860-5867.	1.9	4
94	Protonated Digermene, Distannane, and Diplumbane: Can They Be Made in the Laboratory?. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 5015-5020.	1.0	3
95	The Li-HF van der Waals minimum and the barrier to the deep HF-Li potential well. <i>Molecular Physics</i> , 2014, 112, 770-773.	0.8	3
96	From spiropentane to butterfly and tetrahedral structures in tetranuclear iron carbonyl carbide chemistry. <i>New Journal of Chemistry</i> , 2014, 38, 3762-3769.	1.4	3
97	I + (H <sub>2</sub> O) <sub>2</sub> → HI + (H <sub>2</sub> O)OH Forward and Reverse Reactions. CCSD(T) Studies Including Spin-Orbit Coupling. <i>Journal of Physical Chemistry B</i> , 2016, 120, 1743-1748.	1.2	3
98	The Reaction between Bromine and the Water Dimer and the Highly Exothermic Reverse Reaction. <i>Journal of Computational Chemistry</i> , 2016, 37, 177-182.	1.5	3
99	Noncovalent Interactions between Molecular Hydrogen and the Alkali Fluorides: H <sub>2</sub> ...H <sub>2</sub> ...F <sub>2</sub> ...M (M = Li, Tl) ETQq1 1 0.784314 rgB <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 5118-5127.	2.3	3
100	Quantitative Theoretical Predictions and Qualitative Bonding Analysis of the Divinylborinium System and Its Al, Ga, In, and Tl Congeners. <i>Inorganic Chemistry</i> , 2018, 57, 7851-7859.	1.9	3
101	Dibridged, Monobridged, Vinylidene-Like, and Linear Structures for the Alkaline Earth Dihydrides Be <sub>2</sub> H <sub>2</sub> , Mg <sub>2</sub> H <sub>2</sub> , Ca <sub>2</sub> H <sub>2</sub> , Sr <sub>2</sub> H <sub>2</sub> , and Ba <sub>2</sub> H <sub>2</sub> . Proposals for Observations. <i>Inorganic Chemistry</i> , 2020, 59, 10404-10408.	1.9	3
102	Carbene-mediated synthesis of a germanium tris(dithiolene)dianion. <i>Chemical Communications</i> , 2021, 57, 2543-2546.	2.2	3
103	The Energy Difference between the Triply-Bridged and All-Terminal Structures of Co <sub>4</sub> (CO) <sub>12</sub> , Rh <sub>4</sub> (CO) <sub>12</sub> , and Ir <sub>4</sub> (CO) <sub>12</sub> : A Difficult Test for Conventional Density Functional Methods. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 940-949.	2.3	2
104	New Titanium Carbonyls: Ti <sub>2</sub> (CO) <sub>10</sub> , Ti <sub>2</sub> (CO) <sub>11</sub> , and Ti <sub>2</sub> (CO) <sub>12</sub> . <i>Journal of Physical Chemistry A</i> , 2015, 119, 5224-5232.	1.1	2
105	1,1-Dilithioethylene: Toward Spectroscopic Identification of the Definitive Singlet Ground Electronic State of a Peculiar Structure. <i>ChemPhysChem</i> , 2016, 17, 1623-1629.	1.0	2
106	Alternative modes of bonding of C <sub>4</sub> F <sub>8</sub> units in mononuclear and binuclear iron carbonyl complexes. <i>New Journal of Chemistry</i> , 2019, 43, 6932-6942.	1.4	2
107	Stabilizing Borinium Cations [X <sup>+</sup> B <sup>+</sup> X] <sup>+</sup> through Conjugation and Hyperconjugation Effects. <i>Inorganic Chemistry</i> , 2019, 58, 243-249.	1.9	2
108	Hydrogen Abstraction Reaction H <sub>2</sub> Se + OH → H <sub>2</sub> O + SeH: Comparison with the Analogous Hydrogen Sulfide and Water Reactions. <i>Inorganic Chemistry</i> , 2019, 58, 2069-2079.	1.9	2

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109	C5 Metalation of Imidazole-Based Monothiolates en Route to Selenothiolates. <i>Organometallics</i> , 2020, 39, 4178-4182.	1.1	2
110	Unusual Structures of the Parent Molecules Diarsene, Distibene, and Dibismuthene: Toward Their Observation. <i>Chemistry - A European Journal</i> , 2020, 26, 14159-14166.	1.7	2
111	Fluorine Migration from Carbon to Iron and Fluorine- $\sigma$ -Iron Dative Bonds in Octafluorocyclohexadiene Iron Carbonyl Chemistry. <i>Organometallics</i> , 2021, 40, 397-407.	1.1	2
112	Synthesis of Methanesulfonic Acid Directly from Methane: The Cation Mechanism or the Radical Mechanism?. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6486-6491.	2.1	2
113	Potential energy profile for the $\text{Cl} + (\text{H}_2\text{O})_3 \rightarrow \text{HCl} + (\text{H}_2\text{O})_2\text{OH}$ reaction. A CCSD(T) study. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 26837-26842.	1.3	2
114	$^{13}\text{C}$ NMR relaxation and computational study of anisole and derivatives in the solution state. <i>Journal of Physical Organic Chemistry</i> , 2012, 25, 1374-1379.	0.9	1
115	Molecular orbital interpretation of the metal-metal multiple bonding in coaxial dibenzene dimetal compounds of iron, manganese, and chromium. <i>Theoretical Chemistry Accounts</i> , 2014, 133, 1.	0.5	1
116	The Nature of Lithium Bonding in $\text{C}_2\text{H}_2\text{Li}_2$ , $\text{C}_6\text{Li}_6$ , and Lithium Halide Dimers. <i>Organometallics</i> , 2019, 38, 4708-4716.	1.1	1
117	Phosphine-Mediated Cleavage of Sulfur-Sulfur Bonds. <i>Organometallics</i> , 2022, 41, 3099-3103.	1.1	1
118	Some remarkably stable chalcogen(ii) dications, including comparisons with their structurally distinct monocations and neutrals. <i>New Journal of Chemistry</i> , 2012, 36, 2000.	1.4	0
119	Prototypical metal-oxo bonds: the reactions of $\text{Cr}(\text{PF}_3)_6$ , $\text{Fe}(\text{PF}_3)_5$ , and $\text{Ni}(\text{PF}_3)_4$ with oxygen. <i>Theoretical Chemistry Accounts</i> , 2015, 134, 1.	0.5	0
120	Effect of metal complexation on the equilibrium between methylphosphepine and methylphosphanocaradiene and their benzo analogues. <i>New Journal of Chemistry</i> , 2016, 40, 7804-7813.	1.4	0
121	Metal-metal bonding in biscycloheptatrienyl dimetal compounds of the second-row transition metals. <i>International Journal of Quantum Chemistry</i> , 2017, 117, e25374.	1.0	0
122	Tetranuclear iron carbonyl complexes with a central tin atom: relationship to iron carbonyl carbides. <i>New Journal of Chemistry</i> , 2018, 42, 10898-10905.	1.4	0
123	Increasing the Ligand Field Strength in Butadiene Open Sandwich Compounds from the First to the Second Row Transition Metals. <i>ChemistrySelect</i> , 2020, 5, 6350-6359.	0.7	0
124	Tris(Butadiene) Compounds versus Butadiene Oligomerization in Second-Row Transition Metal Chemistry: Effects of Increased Ligand Fields. <i>Molecules</i> , 2021, 26, 2220.	1.7	0
125	Carbene-Stabilized Dithiolene (L <sub>0</sub> ) Zwitterions. <i>Angewandte Chemie</i> , 2021, 133, 22888.	1.6	0
126	The role of the phosphorus lone pair in the low-energy binuclear phospholyl vanadium carbonyl structures: comparison with cyclopentadienyl analogues. <i>Theoretical Chemistry Accounts</i> , 2021, 140, 1.	0.5	0



#	ARTICLE	IF	CITATIONS
127	Carbon-hydrogen bond activation in bridging cyclobutadiene ligands in unsaturated binuclear vanadium carbonyl derivatives. <i>Journal of Molecular Modeling</i> , 2022, 28, 39.	0.8	0
128	A Cationic Magnesium-Based Dithiolene Radical. <i>Organometallics</i> , 2022, 41, 527-531.	1.1	0