

Yaoming Xie

List of Publications by Year in descending order

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128
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2,702
citations

201575

27
h-index

214721

47
g-index

132
all docs

132
docs citations

132
times ranked

2298
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	A Cationic Magnesium-Based Dithiolene Radical. <i>Organometallics</i> , 2022, 41, 527-531.	1.1	0
3	Acceleration Effect of Bases on Mn Pincer Complex-Catalyzed CO ₂ Hydroboration. <i>Inorganic Chemistry</i> , 2022, 61, 3970-3980.	1.9	14
4	Phosphine-Mediated Cleavage of Sulfur-Sulfur Bonds. <i>Organometallics</i> , 2022, 41, 3099-3103.	1.1	1
5	Fluorine Migration from Carbon to Iron and Fluorine-Iron Dative Bonds in Octafluorocyclohexadiene Iron Carbonyl Chemistry. <i>Organometallics</i> , 2021, 40, 397-407.	1.1	2
6	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
7	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
8	Carbonylic-Carbon-Centered Mechanism for Catalytic α -Methylation. <i>Organometallics</i> , 2021, 40, 2420-2429.	1.1	6
9	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
10	Carbene-Stabilized Dithiolene (L O) Zwitterions. <i>Angewandte Chemie</i> , 2021, 133, 22888.	1.6	0
11	Carbene-Stabilized Dithiolene (L ^O) Zwitterions. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22706-22710.	7.2	6
12	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
13	Carbene-mediated synthesis of a germanium tris(dithiolene)dianion. <i>Chemical Communications</i> , 2021, 57, 2543-2546.	2.2	3
14	Potential energy profile for the Cl + (H ₂ O) ₃ \rightarrow HCl + (H ₂ O) ₂ OH reaction. A CCSD(T) study. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 26837-26842.	1.3	2
15	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
16	Dibridged, Monobridged, Vinylidene-Like, and Linear Structures for the Alkaline Earth Dihydrides Be ₂ H ₂ , Mg ₂ H ₂ , Ca ₂ H ₂ , Sr ₂ H ₂ , and Ba ₂ H ₂ . Proposals for Observations. <i>Inorganic Chemistry</i> , 2020, 59, 10404-10408.	1.9	3
17	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
18	C5 Metalation of Imidazole-Based Monothiolates en Route to Selenothiolates. <i>Organometallics</i> , 2020, 39, 4178-4182.	1.1	2

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19	Binding modes of cabazitaxel with the different human β -tubulin isotypes: DFT and MD studies. <i>Journal of Molecular Modeling</i> , 2020, 26, 162.	0.8	6
20	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
21	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
22	Reduction of Dinitrogen via 2,3-Bipyridine-Mediated Tetraboration. <i>Journal of the American Chemical Society</i> , 2020, 142, 6244-6250.	6.6	35
23	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
24	Unusual σ -Coordinated Alkyne and Alkene Complexes. <i>Chemistry - A European Journal</i> , 2019, 25, 15628-15633.	1.7	6
25	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
26	Lewis base-complexed magnesium dithiolenes. <i>Chemical Communications</i> , 2019, 55, 8087-8089.	2.2	9
27	Designing new Togni reagents by computation. <i>Chemical Communications</i> , 2019, 55, 5667-5670.	2.2	12
28	Alternative modes of bonding of C ₄ F ₈ units in mononuclear and binuclear iron carbonyl complexes. <i>New Journal of Chemistry</i> , 2019, 43, 6932-6942.	1.4	2
29	Redox chemistry of an anionic dithiolene radical. <i>Dalton Transactions</i> , 2019, 48, 3543-3546.	1.6	12
30	Labile Imidazolium Cyclopentadienides. <i>Organometallics</i> , 2019, 38, 4578-4584.	1.1	4
31	The Nature of Lithium Bonding in C ₂ H ₂ Li ₂ , C ₆ Li ₆ , and Lithium Halide Dimers. <i>Organometallics</i> , 2019, 38, 4708-4716.	1.1	1
32	Stabilizing Borinium Cations [X-B-X] ⁺ through Conjugation and Hyperconjugation Effects. <i>Inorganic Chemistry</i> , 2019, 58, 243-249.	1.9	2
33	Hydrogen Abstraction Reaction H ₂ Se + OH \rightarrow H ₂ O + SeH: Comparison with the Analogous Hydrogen Sulfide and Water Reactions. <i>Inorganic Chemistry</i> , 2019, 58, 2069-2079.	1.9	2
34	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
35	Noncovalent Interactions between Molecular Hydrogen and the Alkali Fluorides: H ₂ \cdots F ⁻ M (M = Li, Tl). <i>Journal of Physical Chemistry A</i> , 2018, 122, 10784-10791.	0.784314	3
36	Stable Boron Dithiolene Radicals. <i>Angewandte Chemie</i> , 2018, 130, 7991-7994.	1.6	6

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37	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
38	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
39	Metal-Substrate Cooperation Mechanism for Dehydrogenative Amidation Catalyzed by a PNN-Ru Catalyst. <i>Inorganic Chemistry</i> , 2018, 57, 8778-8787.	1.9	24
40	Stable Boron Dithiolene Radicals. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7865-7868.	7.2	23
41	A Stable Anionic Dithiolene Radical. <i>Journal of the American Chemical Society</i> , 2017, 139, 6859-6862.	6.6	49
42	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
43	Facile Conversion of Bis-Silylene to Cyclic Silylene Isomers: Unexpected C-N and C-H Bond Cleavage. <i>Journal of the American Chemical Society</i> , 2017, 139, 16109-16112.	6.6	17
44	Stabilizing a different cyclooctatetraene stereoisomer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9803-9808.	3.3	26
45	A Twist of the Twist Mechanism, 2-Iodoxybenzoic Acid (IBX)-Mediated Oxidation of Alcohol Revisited: Theory and Experiment. <i>Organic Letters</i> , 2017, 19, 6502-6505.	2.4	35
46	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
47	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
48	The Symmetric Exchange Reaction $OH + H_2O \rightarrow H_2O + OH$: Convergent Quantum Mechanical Predictions. <i>Journal of Physical Chemistry A</i> , 2016, 120, 10223-10230.	1.1	23
49	Protonation of carbene-stabilized diphosphorus: complexation of HP_2^{+} . <i>Chemical Communications</i> , 2016, 52, 5746-5748.	2.2	14
50	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
51	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
52	Push-Pull Stabilization of Parent Monochlorosilylenes. <i>Journal of the American Chemical Society</i> , 2016, 138, 9799-9802.	6.6	26
53	Effect of metal complexation on the equilibrium between methylphosphepine and methylphosphanorcaradiene and their benzo analogues. <i>New Journal of Chemistry</i> , 2016, 40, 7804-7813.	1.4	0
54	From gas-phase to liquid water chemical reactions: The $F + (H_2O)_n$, $n = 1-4$ systems. <i>Chemical Physics Letters</i> , 2016, 648, 1-7.	1.2	6

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55	Why does Togni's reagent I exist in the high-energy hypervalent iodine form? Re-evaluation of benziiodoxole based hypervalent iodine reagents. <i>Chemical Communications</i> , 2016, 52, 5371-5374.	2.2	50
56	I + (H ₂ O) ₂ → HI + (H ₂ 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
57	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
58	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
59	Transition-Metal-Mediated Cleavage of a Si ₃ /4Si Double Bond. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10267-10270.	7.2	20
60	The Energy Difference between the Triply-Bridged and All-Terminal Structures of Co ₄ (CO) ₁₂ , Rh ₄ (CO) ₁₂ , and Ir ₄ (CO) ₁₂ : A Difficult Test for Conventional Density Functional Methods. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 940-949.	2.3	2
61	New Titanium Carbonyls: Ti ₂ (CO) ₁₀ , Ti ₂ (CO) ₁₁ , and Ti ₂ (CO) ₁₂ . <i>Journal of Physical Chemistry A</i> , 2015, 119, 5224-5232.	1.1	2
62	Stabilization of Silicon-Carbon Mixed Oxides. <i>Journal of the American Chemical Society</i> , 2015, 137, 8396-8399.	6.6	71
63	Stabilization of elusive silicon oxides. <i>Nature Chemistry</i> , 2015, 7, 509-513.	6.6	104
64	Prototypical metal-oxo bonds: the reactions of Cr(PF ₃) ₆ , Fe(PF ₃) ₅ , and Ni(PF ₃) ₄ with oxygen. <i>Theoretical Chemistry Accounts</i> , 2015, 134, 1.	0.5	0
65	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
66	Protonated Digermane, Distannane, and Diplumbane: Can They Be Made in the Laboratory?. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 5015-5020.	1.0	3
67	The exothermic HCl + OH(H ₂ O) reaction: Removal of the HCl + OH barrier by a single water molecule. <i>Journal of Chemical Physics</i> , 2014, 140, 124316.	1.2	8
68	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
69	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
70	From spiro-pentane to butterfly and tetrahedral structures in tetranuclear iron carbonyl carbide chemistry. <i>New Journal of Chemistry</i> , 2014, 38, 3762-3769.	1.4	3
71	Features of the potential energy surface for the SiO + OH → SiO ₂ + H reaction: relationship to oxygen isotopic partitioning during gas phase SiO ₂ formation. <i>RSC Advances</i> , 2014, 4, 47163-47168.	1.7	7
72	Anchoring the potential energy surface for the Br-H ₂ O → HBr + OH reaction. <i>Theoretical Chemistry Accounts</i> , 2014, 133, 1.	0.5	10

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73	How Small Can a Catenane Be?. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 1511-1517.	2.3	4
74	Benchmarking the Electron Affinity of Uracil. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 609-612.	2.3	18
75	F + (H ₂ O) ₂ Reaction: The Second Water Removes the Barrier. <i>Journal of Physical Chemistry A</i> , 2013, 117, 11979-11982.	1.1	20
76	Binuclear hexafluorocyclopentadiene iron carbonyls: bis(dihapto) versus trihaptoâ€“monohapto bonding in ironâ€“iron bonded structures. <i>New Journal of Chemistry</i> , 2013, 37, 2902.	1.4	6
77	Does the metalâ€“metal sextuple bond exist in the bimetallic sandwich compounds Cr ₂ (C ₆ H ₆) ₂ , Mo ₂ (C ₆ H ₆) ₂ , and W ₂ (C ₆ H ₆) ₂ ? <i>Molecular Physics</i> , 2013, 111, 2292-2298.	0.8	11
78	The alkaline earth dimer cations (Be ₂ ⁺ , Mg ₂ ⁺ , Tl ₂ ⁺ , Pb ₂ ⁺ , Bi ₂ ⁺ , Sn ₂ ⁺ , and Sb ₂ ⁺). <i>Journal of Chemical Physics</i> , 2013, 139, 041101.	0.8	54
79	Coupled cluster and full configuration interaction studies. <i>Molecular Physics</i> , 2013, 111, 2292-2298.	1.2	29
80	Communication: Some critical features of the potential energy surface for the Cl + H ₂ O â†’ HCl + OH forward and reverse reactions. <i>Journal of Chemical Physics</i> , 2013, 139, 041101.	0.9	1
81	¹³ 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.	1.4	0
82	Some â€œremarkably stableâ€“chalcogen(ii) dications, including comparisons with their structurally distinct monocations and neutrals. <i>New Journal of Chemistry</i> , 2012, 36, 2000.	1.7	13
83	Conformational Preferences of Gas-Phase Helices: Experiment and Theory Struggle to Agree: The Seven-Residue Peptide Ac-Phe-(Ala) ₅ -Lys-H ⁺ . <i>Chemistry - A European Journal</i> , 2012, 18, 12941-12944.	1.3	63
84	The entrance complex, transition state, and exit complex for the F + H ₂ O â†’ HF + OH reaction. Definitive predictions. Comparison with popular density functional methods. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 10891.	1.1	18
85	Binuclear Alkaline Earth Metal Compounds (Be, Mg, Ca, Sr, Ba) with Î±-Diimine Ligands: A Computational Study. <i>Organometallics</i> , 2011, 30, 3113-3118.	2.3	30
86	Metalâ€“Metal Quintuple and Sextuple Bonding in Bent Dimetalloenes of the Third Row Transition Metals. <i>Journal of Chemical Theory and Computation</i> , 2010, 6, 735-746.	6.6	206
87	A Viable Anionic N-Heterocyclic Dicarbene. <i>Journal of the American Chemical Society</i> , 2010, 132, 14370-14372.	0.5	8
88	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.	1.1	5
89	Binuclear Cyclopentadienylmolybdenum Carbonyl Derivatives: Where is the Missing Moâ€“Mo Double-Bonded Species Cp ₂ Mo ₂ (CO) ₅ ? <i>Organometallics</i> , 2009, 28, 2818-2829.	1.1	11
90	(Acetylene)dibocobalt Carbonyl Derivatives: Decarbonylation of the H ₂ C ₂ Co ₂ (CO) ₆ Tetrahedrane. <i>Organometallics</i> , 2009, 28, 3390-3394.	0.8	5
90	The lowest triplet electronic states of polyacenes and perfluoropolyacenes. <i>Molecular Physics</i> , 2007, 105, 2743-2752.		

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91	Novel bromine oxyfluorides: structures, thermochemistry and electron affinities of BrOF _n /BrO (n=1-5). Molecular Physics, 2005, 103, 1995-2008.	0.8	6
92	The germanium clusters Ge _n (n=1-6) and their anions: structures, thermochemistry and electron affinities. Molecular Physics, 2004, 102, 579-598.	0.8	33
93	Molecular structures, thermochemistry, and electron affinities for the dichlorine oxides: Cl ₂ O _n /Cl ₂ O ⁻ⁿ (n=1-4). International Journal of Quantum Chemistry, 2003, 95, 731-757.	1.0	12
94	Binuclear Homoleptic Manganese Carbonyls: Mn ₂ (CO) _x (x = 10, 9, 8, 7). Inorganic Chemistry, 2003, 42, 5219-5230.	1.9	51
95	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 http://www.rsc.org/suppdata/cc/b2/b208831m/ . Chemical Communications, 2003, , 102-103.	2.2	47
96	III: PROPERTIES OF COMPLEX SYSTEMS. Molecular Physics, 2003, 101, 211-225.	0.8	11
97	Ring structure of the NO dimer radical cation: A possible new assignment of the mysterious IR absorption at 1424 cm ⁻¹ . Journal of Chemical Physics, 2002, 117, 9727-9732.	1.2	8
98	Electron affinities, molecular structures, and thermochemistry of the fluorine, chlorine and bromine substituted methyl radicals. Molecular Physics, 2002, 100, 3615-3648.	0.8	12
99	Flat Potential Energy Surface of the Saturated Binuclear Homoleptic Chromium Carbonyl Cr ₂ (CO) ₁₁ with One, Two, and Three Bridging Carbonyls: Comparison with the Well-Known [HCr ₂ (CO) ₁₀] ⁻ Anion and the Related [(1/4-H) ₂ Cr ₂ (CO) ₉] ²⁻ and [(1/4-H) ₂ Cr ₂ (CO) ₈] ²⁻ Dianions. Journal of Physical Chemistry A, 2001, 105, 11134-11143.	1.1	37
100	Structures, thermochemistry, and electron affinities of the disilicon fluorides, Si ₂ F _n /Si ₂ F ⁻ⁿ (n=1-6). Molecular Physics, 2001, 99, 1053-1074.	0.8	14
101	Synthesis and molecular structure of an unusual Ga-Ga-Ga linked organometallic. Chemical Communications, 2000, , 453-454.	2.2	17
102	The puzzling infrared spectra of the nitric oxide dimer radical cation: a systematic application of Brueckner methods. Molecular Physics, 2000, 98, 955-959.	0.8	17
103	Structures, thermochemistry, and electron affinities of the germanium fluorides, GeF _n /GeF ⁻ⁿ (n=1-5). Journal of Chemical Physics, 1999, 111, 7945-7953.	1.2	45
104	The Nature of the Gallium-Gallium Triple Bond. Journal of the American Chemical Society, 1998, 120, 3773-3780.	6.6	124
105	The barrier height for decomposition of HN ₂ . Journal of Chemical Physics, 1998, 108, 8029-8030.	1.2	19
106	Mechanism of the C ₂ H ₅ +O ₂ reaction. Journal of Chemical Physics, 1997, 107, 141-155.	1.2	142
107	Can Oxywater Be Made?. The Journal of Physical Chemistry, 1996, 100, 6076-6080.	2.9	43
108	Is the oxywater radical cation more stable than neutral oxywater?. Journal of Chemical Physics, 1996, 104, 7615-7623.	1.2	53

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109	The SiOH ⁻ HSiO system: A high level quantum mechanical study. Journal of Chemical Physics, 1996, 105, 1951-1958.	1.2	14
110	The protonated water dimer: Extensive theoretical studies of H ₅ O ⁺ . Journal of Chemical Physics, 1994, 101, 4878-4884.	1.2	174
111	The electron affinity of CF. Journal of Chemical Physics, 1994, 101, 10191-10192.	1.2	13
112	Hydrogen bonding between the water molecule and the hydroxyl radical (H ₂ O...HO): The global minimum. Journal of Chemical Physics, 1993, 98, 8829-8834.	1.2	89
113	Theory and applications of spin-restricted open-shell Møller-Plesset theory. Molecular Physics, 1993, 79, 777-793.	0.8	55
114	Acetylene: Synergy between theory and experiment. Journal of Chemical Physics, 1993, 98, 8384-8391.	1.2	28
115	Ammonia alane. Journal of Chemical Physics, 1992, 96, 5310-5317.	1.2	40
116	Naked organosulfur clusters: The infrared spectrum of the C ₂ S molecule. Journal of Chemical Physics, 1992, 96, 3714-3717.	1.2	26
117	Sulfur clusters: structure, infrared, and Raman spectra of cyclo-S ₆ and comparison with the hypothetical cyclo-O ₆ molecule. Molecular Physics, 1992, 76, 537-546.	0.8	23
118	The electronic spectrum of NS ₂ : Low-lying quartet states. Journal of Chemical Physics, 1991, 94, 1277-1287.	1.2	6
119	Hexalithiobenzene: a D _{6h} equilibrium geometry with six lithium atoms in bridging positions. Chemical Physics Letters, 1991, 179, 563-567.	1.2	53
120	Hydrogen bonding between the water molecule and the hydroxyl radical (H ₂ O...OH): The 2A ⁻ and 2A ⁺ minima. Journal of Chemical Physics, 1991, 94, 2057-2062.	1.2	63
121	The description of elementary organoaluminum fragments: AlCH _x (x=1,2,3). Journal of Chemical Physics, 1991, 95, 1834-1837.	1.2	14
122	The silyl anion (SiH ⁻³): Cubic/quartic force field and anharmonic contributions to the fundamental vibrational frequencies. Journal of Chemical Physics, 1991, 94, 8112-8121.	1.2	7
123	The silaformyl radical HSiO and its SiOH isomer. Journal of Chemical Physics, 1990, 93, 1196-1199.	1.2	15
124	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. Journal of Chemical Physics, 1990, 93, 8098-8104.	1.2	8
125	The infrared spectrum of trimethylenemethane. Predictions of in-plane vibrational frequencies from correlated wave functions. Journal of Chemical Physics, 1990, 92, 1174-1179.	1.2	15
126	The electronic spectra of SNS. Low-lying doublet states. Journal of Chemical Physics, 1990, 93, 5053-5061.	1.2	7

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127	What is the lowest energy structure of the NS ₂ molecule?. Journal of Chemical Physics, 1990, 92, 3683-3687.	1.2	23
128	The HO ₂ + ion. Molecular Physics, 1989, 68, 1095-1109.	0.8	8