Ming-Der Su

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/849887/publications.pdf

Version: 2024-02-01

142 papers	1,744 citations	304743 22 h-index	361022 35 g-index
143 all docs	143 docs citations	143 times ranked	1375 citing authors

#	Article	IF	Citations
1	Singlet oxygen-mediated selective Câ€“H bond hydroperoxidation of ethereal hydrocarbons. Nature Communications, 2017, 8, 1812.	12.8	96
2	An Energetically Feasible Mechanism for the Activation of the Câˆ’H Bond by the 16-Electron CpM(PH3)(CH3)+(M = Rh, Ir) Complex. A Theoretical Study. Journal of the American Chemical Society, 1997, 119, 5373-5383.	13.7	89
3	Density Functional Study of Some Germylene Insertion Reactions. Journal of the American Chemical Society, 1999, 121, 4229-4237.	13.7	80
4	Cycloadditions of 16-Electron 1,3-Dipoles with Ethylene. A Density Functional and CCSD(T) Study. Journal of Organic Chemistry, 1999, 64, 6710-6716.	3.2	76
5	Theoretical Study of Oxidative Addition and Reductive Elimination of 14-Electron d10ML2Complexes:Â A ML2+ CH4(M = Pd, Pt; L = CO, PH3, L2= PHâ€˜2CH2CH2PH2) Case Study. Inorganic Chemistry, 1998, 37, 3400-3406.	4.0	66
6	A Versatile NHC-Parent Silyliumylidene Cation for Catalytic Chemo- and Regioselective Hydroboration. Journal of the American Chemical Society, 2019, 141, 17629-17636.	13.7	56
7	Theoretical Study on the Reactivities of Stannylene and Plumbylene and the Origin of their Activation Barriers. Chemistry - A European Journal, 2004, 10, 6073-6084.	3.3	47
8	A NHC-Silyliumylidene Cation for Catalytic N-Formylation of Amines Using Carbon Dioxide. ACS Catalysis, 2020, 10, 14824-14833.	11.2	45
9	Theoretical Study of the Reaction Mechanism of Abstraction Reactions of Disilenes and Digermenes with Haloalkanes. Journal of Physical Chemistry A, 2004, 108, 823-832.	2.5	38
10	Theoretical Model for Insertion of the 16-Electron Species (Î·5-C5H5)M(L) into Saturated Hydrocarbons. A (Î·5-C5H5)M(CO) + CH4 (M = Ru-, Os-, Rh, Ir, Pd+, Pt+) Case Study. Organometallics, 1997, 16, 1621-1627.	2.3	37
11	Density Functional and MP2 Studies of Germylene Insertion into Câˆ’H, Siâˆ’H, Nâˆ’H, Pâˆ’H, Oâˆ’H, Sâˆ’H, Fâˆ’H, and Clâˆ’H Bonds. Journal of Physical Chemistry A, 1999, 103, 11011-11019.	2.5	37
12	Theoretical Study of Reactions of Arduengo-Type Carbene, Silylene, and Germylene with CH4. Inorganic Chemistry, 1999, 38, 4819-4823.	4.0	36
13	Dissociative photoionization of CH2Cl2 and enthalpy of formation of CHCl+: Experiments and calculations. Journal of Chemical Physics, 2003, 118, 62-69.	3.0	30
14	Mechanism of Abstraction Reactions of Dimetallenes (R2XXR2; X = C, Si, Ge, Sn, Pb) with Halocarbons:Â A Theoretical Study. Inorganic Chemistry, 2004, 43, 4846-4861.	4.0	30
15	Bâ€“H Bond Activation by an Amidinate-Stabilized Amidosilylene: Non-Innocent Amidinate Ligand. Inorganic Chemistry, 2018, 57, 5879-5887.	4.0	28
16	Theoretical Study of Addition Reactions of Heavy Carbenes to Carbon and Boron Nitride Nanotubes. Journal of Physical Chemistry B, 2005, 109, 21647-21657.	2.6	27
17	Theoretical Study of the Reactivities of Neutral Six-Membered Carbene Analogues of the Group 13 Elements. Organometallics, 2006, 25, 2766-2773.	2.3	27
18	Mechanistic Investigations on Eâ€“N Bond-Breaking and Ring Expansion for N-Heterocyclic Carbene Analogues Containing the Group 14 Elements (E). Inorganic Chemistry, 2014, 53, 5080-5087.	4.0	27

#	Article	IF	Citations
19	A N-Phosphinoamidinato NHC-Diborene Catalyst for Hydroboration. Journal of the American Chemical Society, 2021, 143, 4993-5002.	13.7	27
20	A Theoretical Study of Oxygen Atom Transfer Reactions from Oxiranes to Heavy Carbenes. Journal of Physical Chemistry A, 2002, 106, 9563-9568.	2.5	26
21	A Theoretical Model for the Orientation of 16-Electron [CpML] Insertion into the C-H Bond of Propane and Cyclopropane and Its Regio- and Stereoselectivity. Chemistry - A European Journal, 1999, 5, 198-207.	3.3	25
22	A New Aspect for the Insertion of the 16-Electron Species (Î·5-C5H5)ML into Saturated Hydrocarbons. A (Î·5-C5H5)ML + CH4(M = Rh, Ir; L = CO, SH2, PH3) Case Studyâ€. Journal of Physical Chemistry A, 1997, 101, 6798-6806.	2.5	24
23	Theoretical designs for germaacetylene (RCî€,GeRâ€²): a new target for synthesis. Dalton Transactions, 2011, 40, 4253.	3.3	23
24	Theoretical Designs for Planar Tetracoordinated Carbon in Cu, Ag, and Au Organometallic Chemistry:Â A New Target for Synthesis. Inorganic Chemistry, 2005, 44, 4829-4833.	4.0	22
25	Theoretical Study of Halophilic Reactions of Stable Silylenes with Chloro- and Bromocarbons. Journal of the American Chemical Society, 2003, 125, 1714-1715.	13.7	21
26	A stable species with a formal Geî˜†C triple bond â€“ a theoretical study. Chemical Physics Letters, 2001, 341, 122-128.	2.6	20
27	Theoretical Investigations of the Reactivities of Cationic Six-membered Carbene Analogues of Group 14 Elements. Journal of Physical Chemistry A, 2008, 112, 7689-7698.	2.5	20
28	Triply Bonded Stannaacetylene (RCâ‰¡SnR): Theoretical Designs and Characterization. Inorganic Chemistry, 2011, 50, 6814-6822.	4.0	20
29	Theoretical Study of Cycloaddition Reactions of Heavy Carbenes with C60. Journal of Physical Chemistry A, 2007, 111, 6232-6240.	2.5	19
30	A New Target for Synthesis of Triply Bonded Plumbacetylene (RCâ‰¡PbR): A Theoretical Design. Organometallics, 2011, 30, 3293-3301.	2.3	19
31	Effects of Substituents on the Thermodynamic and Kinetic Stabilities of HCGeX (X = H, CH3, F, and Cl) Isomers. A Theoretical Study. Inorganic Chemistry, 2000, 39, 3522-3525.	4.0	18
32	Theoretical Study of Silylene Substituent Effects on the Abstraction Reactions with Oxirane and Thiirane. Journal of the American Chemical Society, 2002, 124, 12335-12342.	13.7	18
33	Theoretical Study of Intramolecular [4 + 2] Cycloadditions of Iminoacetonitriles:Â A New Class of Azadienophiles for Hetero Dielsâ^'Alder Reactions. Organometallics, 2004, 23, 2507-2509.	2.3	16
34	Substituent Effects on Boronâ€“Bismuth Triple Bond: A New Target for Synthesis. Organometallics, 2016, 35, 3924-3931.	2.3	16
35	CASCSF Study on the Photochemical Transposition Reactions of Pyrazines. Journal of Physical Chemistry A, 2006, 110, 9420-9428.	2.5	15
36	A model study on the photochemical isomerization of isothiazoles and thiazoles. Physical Chemistry Chemical Physics, 2014, 16, 17030-17042.	2.8	14

#	Article	IF	Citations
37	A Dimeric NHCâ€“Silicon Monotelluride: Synthesis, Isomerization, and Reactivity. Angewandte Chemie - International Edition, 2017, 56, 11565-11569.	13.8	14
38	Substituent Effects on Oxidative Addition for Coordinatively Unsaturated d8ML3. Mechanistic and Thermodynamic Considerations. Journal of Physical Chemistry A, 1998, 102, 10159-10166.	2.5	13
39	Reactivities of Adamantyl-Substituted Metallenes with a Câ•E (E = C, Si, Ge, Sn, and Pb) Double Bond. A Theoretical Study. Organometallics, 2011, 30, 6189-6200.	2.3	13
40	Triple-Bonded Boronâ‰¡Phosphorus Molecule: Is That Possible?. ACS Omega, 2018, 3, 76-85.	3.5	13
41	Synthesis of a Dimeric Baseâ€Stabilized Cobaltosilylene Complex for Catalytic Câˆ’H Bond Functionalization and Câˆ’C Bond Formation. Chemistry - A European Journal, 2018, 24, 14329-14334.	3.3	13
42	The Cycloaddition Reactions of Angle Strained Cycloalkynes. A Theoretical Study. Journal of the Chinese Chemical Society, 2005, 52, 599-624.	1.4	12
43	Model Study on the Pyridineâˆ’Dewar Pyridine and Some Related Photoisomerization Reactions. Journal of Physical Chemistry A, 2007, 111, 971-975.	2.5	12
44	Doubly Bonded E₁₃â•P and Bâ•E₁₅ Molecules and Their Reactions with H₂, Acetonitrile, Benzophenone, and 2,3-Dimethylbutadiene. Inorganic Chemistry, 2015, 54, 5154-5161.	4.0	12
45	Mechanistic Analysis of an Isoxazoleâ€“Oxazole Photoisomerization Reaction Using a Conical Intersection. Journal of Physical Chemistry A, 2015, 119, 9666-9669.	2.5	12
46	Theoretical Study of the Germylene Insertion Reaction into the Aâ€H Bond of Firstâ€Row and Secondâ€Row AHn Hydrides. Journal of the Chinese Chemical Society, 2000, 47, 135-139.	1.4	11
47	Mechanistic Study of the Photochemical Isomerization Reactions of Silabenzene. Organometallics, 2014, 33, 5231-5237.	2.3	11
48	Density Functional Theory Study of the Reactivities of Perimidine-Based Carbene Analogues of the Group 14 Elements. Organometallics, 2009, 28, 4324-4334.	2.3	10
49	Theoretical Investigation of the Mechanisms for the Reaction of Fused Tricyclic Dimetallenes Containing Highly Strained Eâ•E (E = C, Si, Ge, Sn, and Pb) Double Bonds. Journal of Physical Chemistry A, 2012, 116, 4222-4232.	2.5	10
50	Theory predicts triplet ground-state carbene containing the N-heterocyclic carbenic unit. Theoretical Chemistry Accounts, 2013, 132, 1.	1.4	10
51	Mechanistic Investigations on the Photoisomerization Reactions of 1,2â€Dihydroâ€1,2â€Azaborine. Chemistry - A European Journal, 2013, 19, 9663-9667.	3.3	10
52	Theoretical Studies of the Kinetic and Thermodynamic Stabilities of Isomers of HXGeS (X = H, F, Cl, and) Tj ETQq0 0 0 rgBT /Overlock 10	2.5	9
53	Density functional study of the relative reactivity in the concerted 1,3-dipolar cycloaddition of nitrile ylide to disubstituted ethylenes. International Journal of Quantum Chemistry, 2001, 83, 318-323.	2.0	9
54	Theoretical Studies of the [2 + 4] Dielsâˆ’Alder Cycloaddition Reactions of Alkene Analogues of the Group 13 Elements with Toluene. Inorganic Chemistry, 2007, 46, 2028-2034.	4.0	9

#	Article	IF	Citations
55	A computational study of photochemical isomerization reactions of thiophenes. Journal of Computational Chemistry, 2010, 31, 43-56.	3.3	9
56	Aluminumâ€“phosphorus triple bonds: Do substituents make Al P synthetically accessible?. Chemical Physics Letters, 2017, 686, 60-67.	2.6	9
57	Density functional theory of Cï£¿H bond activation by transition-metal complex: A (Î·5-C5H5)ML (M=Rh, Ir;) Tj ETQq1 1 0.784314 rgBT /O	2.0	8
58	Theoretical study of triple bonds to germanium: relative stabilities of germanitriles and germaimines. Chemical Communications, 2001, , 1120-1121.	4.1	8
59	The Photochemical Rearrangement Pathways of Imidazoles:Â A Theoretical Study. Journal of Physical Chemistry A, 2007, 111, 1567-1574.	2.5	8
60	Theoretical Design of Siliconâ€“Phosphorus Triple Bonds: A Density Functional Study. European Journal of Inorganic Chemistry, 2008, 2008, 1241-1247.	2.0	8
61	Theoretical Study of the Mechanisms for the Reactions of the Ferrio-Substituted E(II) Compound Me₅C₅(CO)₂FeEC₅Me₅(E = C, Si, Ge, Sn,) Tj ETQq1 1 0.784314 rgBT	2.3	8
62	Mechanistic analysis of the photochemical carboxylation of o-alkylphenyl ketones with carbon dioxide. RSC Advances, 2016, 6, 50825-50832.	3.6	8
63	The effect of substituents on triply bonded boronî€,antimony molecules: a theoretical approach. Physical Chemistry Chemical Physics, 2017, 19, 8026-8033.	2.8	8
64	The effect of substituents on the stability of triply bonded galliumî€,antimony molecules: a new target for synthesis. Dalton Transactions, 2017, 46, 1848-1856.	3.3	8
65	Diboration of the Eâ•E Double Bond by [2]Metallocenophanes (E = N, P, As, Sb, and Bi): A Theoretical Study. Organometallics, 2010, 29, 5812-5820.	2.3	7
66	Mechanisms for the Reaction of Water, Butadiene, and Palladium Complex with 1,2-Dimetallacyclohexene (R2Mâ•MR2, M = C, Si, Ge, Sn, Pb). A Theoretical Study. Organometallics, 2011, 30, 4862-4872.	2.3	7
67	Theoretical investigations of the reactivity of neutral molecules that feature an Mî€M (M = B, Al, Ga, In,) Tj ETQq1 1 0.784314 rgBT /O	2.8	7
68	Amidinatoamidosilyleneâ€“Dibromodiborene. Inorganic Chemistry, 2021, 60, 16065-16069.	4.0	7
69	Reversible CO₂ activation by a N-phosphinoamidinato digermyne. Chemical Communications, 2022, 58, 1033-1036.	4.1	7
70	Photochemical Isomerization Reactions of Cyanopyrroles:Â A Theoretical Study. Journal of Physical Chemistry A, 2006, 110, 12653-12661.	2.5	6
71	A Theoretical Insight into the Reaction Mechanism of Photochemical Transposition from Pyrazole to Imidazole. Journal of Physical Chemistry A, 2008, 112, 10420-10428.	2.5	6
72	Photoisomerization Reactions of Cyclopropene and 1,3,3-Trimethylcyclopropene: A Theoretical Study. Journal of Chemical Theory and Computation, 2008, 4, 1263-1273.	5.3	6

#	Article	IF	Citations
73	Theoretical Investigations of the Photochemical Isomerizations of Indoxazene and Isoxazole. Journal of Organic Chemistry, 2009, 74, 6055-6063.	3.2	6
74	Model Study of the Photochemical Rearrangement Pathways of 1,2,4â€Oxadiazole. ChemPhysChem, 2014, 15, 2712-2722.	2.1	6
75	Excited-State Photolytic Mechanism of Cyclopentene Containing a Group 14 Element: An MP2-CAS//CASSCF Study. Journal of Physical Chemistry A, 2015, 119, 8611-8618.	2.5	6
76	A Dimeric NHCâ€“Silicon Monotelluride: Synthesis, Isomerization, and Reactivity. Angewandte Chemie, 2017, 129, 11723-11727.	2.0	6
77	Mechanistic Investigations on the Photoisomerization Reactions of Five-Membered Ring Heterocyclic Molecules Containing Sulfur and Selenium Atoms. ACS Omega, 2018, 3, 3482-3488.	3.5	6
78	A theoretical study of the reactivity of ethene and benzophenone with a hyper-coordinated alkene containing a so-called E=E (E = C, Si, Ge, Sn, and Pb) unit. Dalton Transactions, 2020, 49, 12842-12853.	3.3	6
79	Formation of Alkynylgermyl-Substituted Germylenes via a Catenation of Ge Atoms. Inorganic Chemistry, 2020, 59, 10123-10128.	4.0	6
80	Theoretical Investigations of the Reactions of Phosphino Disilenes and Their Derivatives with an Eâ•E (E) Tj ETQq0 0 0 rgBT /Overlock 10	2.5	5
81	Mechanistic Investigations on the Photorearrangement Reactions of M(CO)₄(CS) (M =) Tj ETQq1 1 0.784314 rgBT /Ove	4.0	5
82	Theoretical Study of Addition Reactions of L₄M(M = Rh, Ir) and L₂M(M = Pd,) Tj ETQq0 0 0 rgBT /Overlock 10	2.5	5
83	A self-hydrosilylation of phosphanylhydrosilylalkynes promoted by B(C6F5)3? An experimental and mechanistic study. Chemical Communications, 2019, 55, 1494-1497.	4.1	5
84	Significant Insight into the Origin of Reaction Barriers Determining Dihydrogen Activation by G13-P-P (G13 = Group 13 Element) and G15-P-Ga (G15 = Group 15 Element) Frustrated Lewis Pairs. Inorganic Chemistry, 2021, 60, 15253-15269.	4.0	5
85	Theoretical examination of substituent effects on the stabilization of a Sn?Y (Y = Sb and Bi) multiple bond. International Journal of Quantum Chemistry, 2005, 102, 72-79.	2.0	4
86	A Theoretical Characterization of the Photoisomerization Channels of 1,2â€Cyclononadienes on both Singlet and Triplet Potentialâ€Energy Surfaces. Chemistry - A European Journal, 2007, 13, 9957-9972.	3.3	4
87	A Theoretical Investigation of Photochemical Reactions of an Isolable Silylene with Benzene. Chemistry - A European Journal, 2014, 20, 9419-9423.	3.3	4
88	Mechanistic investigations of CO-photoextrusion and oxidative addition reactions of early transition-metal carbonyls: (Î·5-C5H5)M(CO)4(M = V, Nb, Ta). Physical Chemistry Chemical Physics, 2016, 18, 16396-16403.	2.8	4
89	Mechanistic Study for the Photochemical Reactions of d6M(CO)5(CS) (M = Cr, Mo, and W) Complexes. ACS Omega, 2017, 2, 2813-2826.	3.5	4
90	Triply Bonded Galliumâ‰¡Phosphorus Molecules: Theoretical Designs and Characterization. Journal of Physical Chemistry A, 2017, 121, 6630-6637.	2.5	4

#	Article	IF	Citations
91	Substituent Effects on the Stability of Thallium and Phosphorus Triple Bonds: A Density Functional Study. Molecules, 2017, 22, 1111.	3.8	4
92	A possible target: triple-bonded indiumî€,antimony molecules with high stability. New Journal of Chemistry, 2018, 42, 6932-6941.	2.8	4
93	Photochemical rearrangement reactions of bicyclic molecules that contain a cyclopropane ring. New Journal of Chemistry, 2018, 42, 11438-11449.	2.8	4
94	A computational study to determine whether substituents make E13î€,nitrogen (E13 = B, Al, Ga, In, and Tl) triple bonds synthetically accessible. RSC Advances, 2019, 9, 12195-12208.	3.6	4
95	Insights into the Factors Controlling the Hâ€“H Bond Cleavage Reactions by Five-Membered G13/P (G13 =) Tj ETQq1 1 0.784314 rgBT /O 374-389.	2.3	4
96	A Correlation between Cï£¿H Bond Activation Barrier and Singletâ€Tripet Energy Gap of Transition Metal Complexâ€Ðensity Functional Study on CpML Insertion into CH₄. Journal of the Chinese Chemical Society, 1999, 46, 403-407.	1.4	3
97	An examination of substituent effects on the stabilization of a silicon-selenium double bond. International Journal of Quantum Chemistry, 2002, 90, 663-668.	2.0	3
98	Substituent Effects on the Geometries and Energies of the Antimonyâ€“Silicon Multiple Bond. Bulletin of the Chemical Society of Japan, 2014, 87, 816-818.	3.2	3
99	A model study on the photochemical isomerization of cyclic silenes. Physical Chemistry Chemical Physics, 2015, 17, 5039-5042.	2.8	3
100	The addition reactions between N-heterocyclic carbenes and fullerenes (C60 and C70): a density functional study. Theoretical Chemistry Accounts, 2015, 134, 1.	1.4	3
101	Theoretical study of the photo-isomerisation reactions of 1,2-dihydro-1,2-phosphaborine and 1,2-dihydro-1,2-alumazaine. Molecular Physics, 2015, 113, 1590-1599.	1.7	3
102	Indiumâ€“Arsenic Molecules with an Inâ‰¡As Triple Bond: A Theoretical Approach. ACS Omega, 2017, 2, 1172-1179.	3.5	3
103	Total Synthesis of (+)-Antrocin and Its Diastereomer and Clarification of the Absolute Stereochemistry of (â^')-Antrocin. Journal of Organic Chemistry, 2017, 82, 9576-9584.	3.2	3
104	Mechanistic Investigations of the Photochemical Isomerizations of [(CO)5MC(Me)(OMe)] (M = Cr, Mo,) Tj ETQq0 0 0 rgBT /Overlock 10	3.5	3
105	The mechanistic investigations of photochemical carbonyl elimination and oxidative addition reactions of (Î·⁵-C₅H₅)M(CO)₃, (M = Mn and Re) complexes. RSC Advances, 2018, 8, 10987-10998.	3.6	3
106	Is It Possible To Prepare and Stabilize Triple-Bonded Thalliumâ‰¡Antimony Molecules Using Substituents?. ACS Omega, 2018, 3, 10163-10171.	3.5	3
107	Triply-bonded indiumî€,phosphorus molecules: theoretical designs and characterization. RSC Advances, 2017, 7, 20597-20603.	3.6	3
108	Amidinato Isopropylmethylamidosilyleneâ€Catalyzed Hydroboration of Carbonyl Compounds. European Journal of Inorganic Chemistry, 2022, 2022, .	2.0	3

#	Article	IF	Citations
109	A Mechanistic Study on the Photoisomerizations of Spiro[2,4]hept-1-ene, Vinylidenecyclopentane, and Vinylidenecyclobutane Hydrocarbons. Journal of Physical Chemistry A, 2008, 112, 5527-5537.	2.5	2
110	A Computational Study of the Mechanisms of the Photoisomerization Reactions of Monocyclic and Bicyclic Olefins. Journal of Physical Chemistry A, 2011, 115, 5157-5165.	2.5	2
111	A mechanistic study of the addition of alcohol to a five-membered ring silene via a photochemical reaction. Physical Chemistry Chemical Physics, 2016, 18, 8228-8234.	2.8	2
112	Theoretical Study of the Photolysis Mechanisms of Methylpentaphenyldimetallanes (Ph3MMâ€²Ph2Me; M,) Tj ETQq0 0 0 rgBT /Overlock	3.8	2
113	A Theoretical Study of the Photochemical Isomerization Reactions of Furans from the Triplet State. Journal of Physical Chemistry A, 2008, 112, 194-198.	2.5	1
114	A Quantum Mechanical Study of the Abstraction Reactions of Fused Bicyclic Dimetallenes. Journal of Physical Chemistry A, 2008, 112, 10064-10070.	2.5	1
115	Quantum Mechanical Study of the Photoisomerizations of Bicyclo[4,1,0]hept-2-ene (2-Norcarene). Journal of Physical Chemistry A, 2009, 113, 381-387.	2.5	1
116	A theoretical study of the photochemical isomerization reactions of (+)-2-carene-4Î±-methanol from the triplet state. Theoretical Chemistry Accounts, 2014, 133, 1.	1.4	1
117	Theoretical Designs for Fullerene Carbenes, C₆₀â€“Eâ€“C₆₀ and C₇₀â€“Eâ€“C₇₀ (E = Group 14 Elements): A Target for Experimental Studies. Journal of Physical Chemistry C, 2015, 119, 12668-12673.	3.1	1
118	Mechanistic investigations and molecular properties of 1,2-bis(ferrocenyl)dimetallenes including group 14 elements. RSC Advances, 2017, 7, 44724-44734.	3.6	1
119	How Important is Metal-Carbon Back-Bonding for the Stability of Fullerene-Transition Metal Complexes? Role of Cage Sizes, Encapsulated Ions and Metal Ligands. , 0, , .		1
120	The mechanistic investigations of photochemical decarbonylations and oxidative addition reactions for M(CO)₅ (M = Fe, Ru, Os) complexes. RSC Advances, 2019, 9, 2626-2640.	3.6	1
121	Versatile Reaction Patterns of Phosphanylhydrosilylalkyne with B(C 6 F 5) 3 : A Remarkable Group Substitution Effect. European Journal of Inorganic Chemistry, 2020, 2020, 3496-3506.	2.0	1
122	Understanding the reactivity of carbene-analogous phosphane complexes with group 13 elements as a central atom: a theoretical investigation. New Journal of Chemistry, 2020, 44, 12815-12826.	2.8	1
123	Reactivity of dicationic N-heterocyclic chalcogen carbene analogues with methane and ethene: a theoretical investigation. Physical Chemistry Chemical Physics, 2021, 23, 2419-2429.	2.8	1
124	Diboron-Carbene Complexes Derived from a Geminal Dianion. Organometallics, 2021, 40, 1848-1853.	2.3	1
125	Lewis Pair Polymerization of Alkyl Methacrylate by Amidinato Silicon Compounds and Tris(pentafluorophenyl)borane. European Journal of Organic Chemistry, 2022, 2022, .	2.4	1
126	Computational Study of the Mechanisms of the Photoisomerization Reactions of Bicycloalkene. Journal of Physical Chemistry A, 2010, 114, 11656-11662.	2.5	0

#	Article	IF	Citations
127	Theoretical Investigations of Mechanisms of Thermal Cleavage of E=E Bonds in Heavy Butadiene Systems (E = C, Si, Ge, Sn, and Pb). European Journal of Inorganic Chemistry, 2012, 2012, 272-281.	2.0	0
128	A mechanistic analysis of the tetrasilyl-substituted trimetallaallenes, >Eî€Eî€E< (E = C, Si, Ge, Sn, and) Tj ETQq0 0 0 rgBT /Overlock	3.3	0
129	A Model Study on Molecular Properties and Mechanistic Investigations of P=C=E₁₄ Molecules. European Journal of Inorganic Chemistry, 2015, 2015, 1795-1803.	2.0	0
130	Relative Stability of Multiple Bonds between Germanium and Stibium. A Theoretical Study. Journal of the Chinese Chemical Society, 2015, 62, 906-909.	1.4	0
131	A computational study of the mechanism of the photocyclization reaction of Î±-methylamino ketone. RSC Advances, 2016, 6, 80712-80717.	3.6	0
132	CASSCF and CASMP2 study on the photoisomerization mechanisms of [tris(trialkylsilyl)silyl]cyclotetrasilene and related cyclobutene molecules. RSC Advances, 2017, 7, 9975-9980.	3.6	0
133	Photochemical isomerization reactions of acrylonitrile. A mechanistic study. RSC Advances, 2018, 8, 5647-5651.	3.6	0
134	Frontispiece: Synthesis of a Dimeric Base-Stabilized Cobaltosilylene Complex for Catalytic Câ^'H Bond Functionalization and Câ^'C Bond Formation. Chemistry - A European Journal, 2018, 24, .	3.3	0
135	A model study on the photodecarbonyl reaction of (Î·5-C5H5)M(CO)2 (M = Co, Rh, Ir). RSC Advances, 2018, 8, 24641-24653.	3.6	0
136	A Theoretical Study on the Stability of PtL2Complexes of Endohedral Fullerenes: The Influence of Encapsulated Ions, Cage Sizes, and Ligands. ACS Omega, 2019, 4, 3105-3113.	3.5	0
137	Simulations Suggest Possible Triply Bonded Phosphorusâ‰¡E13 Molecules (E13Â=ÂB, Al, Ga, In, and Tl). , 0, , .		0
138	A mechanistic study of the activation of small molecules (H2 and C2H2) by group 14 analogues of selenophene. New Journal of Chemistry, 2020, 44, 8922-8936.	2.8	0
139	Mechanistic insights into the insertion and addition reactions of group 13 analogues of the six-membered N-heterocyclic carbenes: interplay of electrophilicity, basicity, and aromaticity governing the reactivity. RSC Advances, 2021, 11, 20070-20080.	3.6	0
140	Mechanistic Insight into Chemical Reactions of Acyclic Diboryloxy Carbenes: the Activation Strain Model Study. European Journal of Inorganic Chemistry, 2021, 2021, 929-938.	2.0	0
141	Insights into the Factors Controlling the Origin of Activation Barriers in Group 13 Analogues of the Four-Membered N-Heterocyclic Carbenes. ACS Omega, 2021, 6, 22272-22283.	3.5	0
142	Theoretical Investigations in the Reactions of Group 15 Analogues of the Monocationic Five-Membered NHCs: Interplay of Electrophilicity, Basicity, and Aromaticity Governing the Reactivity. New Journal of Chemistry, 0, , .	2.8	0