

Eluvathingal D Jemmis

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Red-, Blue-, or No-Shift in Hydrogen Bonds: A Unified Explanation. <i>Journal of the American Chemical Society</i> , 2007, 129, 4620-4632.	6.6	753
2	Stabilization of planar tetracoordinate carbon. <i>Journal of the American Chemical Society</i> , 1976, 98, 5419-5427.	6.6	425
3	Aromaticity in three dimensions. 4. Influence of orbital compatibility on the geometry and stability of capped annulene rings with six interstitial electrons. <i>Journal of the American Chemical Society</i> , 1982, 104, 4781-4788.	6.6	222
4	Electronic Requirements for Macropolyhedral Boranes. <i>Chemical Reviews</i> , 2002, 102, 93-144.	23.0	206
5	A Unifying Electron-Counting Rule for Macropolyhedral Boranes, Metallaboranes, and Metallocenes. <i>Journal of the American Chemical Society</i> , 2001, 123, 4313-4323.	6.6	189
6	Nanoisozymes: Crystal-Facet-Dependent Enzyme-Mimetic Activity of V_2O_5 Nanomaterials. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4510-4515.	7.2	181
7	Stuffing Improves the Stability of Fullerenelike Boron Clusters. <i>Physical Review Letters</i> , 2008, 100, 165504.	2.9	157
8	Do anomeric effects involving the second-row substituents, chlorine, mercapto, and phosphino exist? Stabilization energies and structural preferences. <i>Journal of the American Chemical Society</i> , 1985, 107, 6393-6394.	6.6	149
9	Overlap control and stability of polyhedral molecules. closo-Carboranes. <i>Journal of the American Chemical Society</i> , 1982, 104, 7017-7020.	6.6	145
10	Aromaticity in $X_3Y_3H_6$ ($X = B, Al, Ga; Y = N, P, As$), $X_3Z_3H_3$ ($Z = O, S, Se$), and Phosphazenes. Theoretical Study of the Structures, Energetics, and Magnetic Properties. <i>Inorganic Chemistry</i> , 1998, 37, 2110-2116.	1.9	138
11	Unusual metal-carbon-hydrogen angles, carbon-hydrogen bond activation, and α -hydrogen abstraction in transition-metal carbene complexes. <i>Journal of the American Chemical Society</i> , 1980, 102, 7667-7676.	6.6	134
12	Is Borazine Aromatic? Unusual Parallel Behavior between Hydrocarbons and Corresponding B^+N Analogues. <i>Inorganic Chemistry</i> , 2001, 40, 3615-3618.	1.9	130
13	Characteristics of novel sandwiched beryllium, magnesium, and calcium dimers: $C_5H_5BeBeC_5H_5$, $C_5H_5MgMgC_5H_5$, and $C_5H_5CaCaC_5H_5$. <i>Chemical Physics Letters</i> , 2005, 402, 414-421.	1.2	124
14	$Cp_2M_2(CO)_4$ - quadruply bridging, doubly bridging, semibridging, or nonbridging?. <i>Journal of the American Chemical Society</i> , 1980, 102, 2576-2585.	6.6	112
15	Investigation of intramolecular interactions in n-alkanes. Cooperative energy increments associated with GG and GTG' [G = gauche, T = trans] sequences. <i>Journal of the American Chemical Society</i> , 1991, 113, 4665-4671.	6.6	105
16	Mechanism of gallic acid biosynthesis in bacteria (<i>Escherichia coli</i>) and walnut (<i>Juglans regia</i>). <i>Plant Molecular Biology</i> , 2011, 75, 555-565.	2.0	104
17	Analogies between Boron and Carbon. <i>Accounts of Chemical Research</i> , 2003, 36, 816-824.	7.6	98
18	Ab initio structures of allyllithium. <i>Journal of Organometallic Chemistry</i> , 1978, 150, 1-6.	0.8	76

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19	Electronic structure of triple-decker sandwich compounds with P5, P6, As5, and CnHn as middle rings. <i>Organometallics</i> , 1988, 7, 1561-1564.	1.1	76
20	Structure and Neutral Homoaromaticity of Metallacyclopentene, -pentadiene, -pentyne, and -pentatriene: A Density Functional Study. <i>Organometallics</i> , 2003, 22, 4958-4965.	1.1	72
21	Polyhedral Boranes and Elemental Boron: Direct Structural Relations and Diverse Electronic Requirements. <i>Journal of the American Chemical Society</i> , 2001, 123, 4324-4330.	6.6	71
22	The unusual structures, energies, and bonding of lithium-substituted allenes, propynes, and cyclopropenes. <i>Journal of the American Chemical Society</i> , 1979, 101, 2848-2856.	6.6	69
23	Structure and bonding in $L_2M(\mu\text{-CCR})_2ML_2$ and $L_2M(\mu\text{-RC4R})ML_2$ ($L_2M = Cp_2Zr, Cp_2Ti, R_2Al$) <i>Journal of the American Chemical Society</i> , 1988, 110, 125-131.	6.6	69
24	Metallacyclocumulenes: A Theoretical Perspective on the Structure, Bonding, and Reactivity. <i>Accounts of Chemical Research</i> , 2014, 47, 2917-2930.	7.6	68
25	Novel Mechanism for Interesting C \equiv C Coupling and Cleavage Reactions and Control of Thermodynamic Stability Involving $[L_2M(\mu\text{-CCR})_2ML_2]$ and $[L_2M(\mu\text{-RCC-CCR})ML_2]$ Complexes ($M = Ti, Zr; L =$) <i>Journal of the American Chemical Society</i> , 2007, 129, 6952-6964.	6.6	66
26	New Insights into the Visible-Light-Induced DNA Cleavage Activity of Dipyridoquinoxaline Complexes of Bivalent 3d-Metal Ions. <i>Inorganic Chemistry</i> , 2007, 46, 11122-11132.	1.9	66
27	Reactions of Group 4 Metallocene Alkyne Complexes with Carbodiimides: Experimental and Theoretical Studies of the Structure and Bonding of Five-Membered Hetero-Metallacycloallenes. <i>Journal of the American Chemical Society</i> , 2011, 133, 5463-5473.	6.6	66
28	Ab initio SCF-MO study of cyclopentadienylberyllium hydride and of beryllocene. <i>Journal of the American Chemical Society</i> , 1978, 100, 5695-5700.	6.6	64
29	Structures, Stabilities, and Ionization Potentials of Dodecahedrane Endohedral Complexes. <i>Journal of Physical Chemistry A</i> , 2002, 106, 5144-5154.	1.1	64
30	Structure, Reactivity and Aromaticity of Acenes and Their BN Analogues: A Density Functional and Electrostatic Investigation. <i>Inorganic Chemistry</i> , 2004, 43, 5824-5832.	1.9	61
31	Structure-Activity Relationship of Photocytotoxic Iron(III) Complexes of Modified Dipyridophenazine Ligands. <i>Inorganic Chemistry</i> , 2011, 50, 2975-2987.	1.9	61
32	Dependence of the Structure and Stability of Cyclocumulenes and Cyclopropenes on the Replacement of the CH ₂ Group by Titanocene and Zirconocene: A Density Functional Theory Study. <i>Organometallics</i> , 2002, 21, 2254-2261.	1.1	59
33	Lithiated carbocations. The generation, structure, and stability of Cl_5^+ . <i>Journal of the American Chemical Society</i> , 1982, 104, 4275-4276.	6.6	58
34	Vertex-Fused Metallaborane Clusters: Synthesis, Characterization and Electronic Structure of $[(\mu\text{-}5\text{-C}_5\text{Me}_5\text{Mo})_3\text{MoB}_9\text{H}_{18}]$. <i>Inorganic Chemistry</i> , 2010, 49, 900-904.	1.9	58
35	Synthesis, Characterization, and Electronic Structure of New Type of Heterometallic Boride Clusters. <i>Inorganic Chemistry</i> , 2011, 50, 9414-9422.	1.9	58
36	Group 14 Analogs of the Cyclopropenium Ion: Do They Favor Classical Aromatic Structures?. <i>Journal of the American Chemical Society</i> , 1995, 117, 11361-11362.	6.6	57

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37	1,2-Dilithioethane. A molecular orbital study. Journal of the American Chemical Society, 1981, 103, 4996-5002.	6.6	56
38	Electronic Requirements of Polycondensed Polyhedral Boranes. Journal of the American Chemical Society, 2000, 122, 4516-4517.	6.6	55
39	Hypercarbons in polyhedral structures. Chemical Society Reviews, 2006, 35, 157-168.	18.7	55
40	Chlorinated Hypoelectronic Dimetallaborane Clusters: Synthesis, Characterization, and Electronic Structures of $(\text{I}^{\text{I}}\text{C}^{\text{V}}\text{Me}^{\text{V}}\text{W}^{\text{II}}\text{B}^{\text{V}}\text{H}^{\text{I}}\text{Cl})_m$ ($\text{I}^{\text{I}} = \text{C}^{\text{V}} = \text{Me}^{\text{V}} = \text{W}^{\text{II}} = \text{B}^{\text{V}} = \text{H}^{\text{I}} = \text{Cl}$, $m = 7, 8$ and $n = 2, 1$). Inorganic Chemistry, 2009, 48, 6509-6516.	1.9	55
41	Electronic structure and bonding of I^{II} -rhombohedral boron using cluster fragment approach. Physical Review B, 2005, 72, .	1.1	54
42	Half-Sandwich Group 8 Borylene Complexes: Synthetic and Structural Studies and Oxygen Atom Abstraction Chemistry. Organometallics, 2009, 28, 2947-2960.	1.1	54
43	Reduction of 1,4-dichlorobut-2-yne by titanocene to a 1,2,3-butatriene. Formation of a 1-titanacyclopent-3-yne and a 2,5-dititanabicyclo[2.2.0]hex-1(4)-ene. Chemical Communications, 2004, , 2074.	2.2	52
44	Are Metallocene π -Acetylene (M = Ti, Zr, Hf) Complexes Aromatic Metallacyclopropenes?. Organometallics, 2010, 29, 76-81.	1.1	52
45	Stabilization of D _{3h} pentacoordinate carbonium ions. Linear three-center-two-electron bonds. Implications for aliphatic electrophilic substitution reactions. Journal of the American Chemical Society, 1979, 101, 527-533.	6.6	51
46	Synthetic strategies towards C ₆₀ . Molecular mechanics and MNDO study on sumanene and related structures. Journal of the Chemical Society Perkin Transactions II, 1993, , 1867.	0.9	51
47	Heterolytic Activation of H π -X (X = H, Si, B, and C) Bonds: An Experimental and Theoretical Investigation. Journal of the American Chemical Society, 2007, 129, 5587-5596.	6.6	51
48	Subtype Selectivity in Phosphodiesterase 4 (PDE4): A Bottleneck in Rational Drug Design. Current Pharmaceutical Design, 2008, 14, 3854-3872.	0.9	51
49	Consequence of Ligand Bite Angle on Bismuth Lewis Acidity. Inorganic Chemistry, 2017, 56, 9391-9395.	1.9	51
50	An ab initio and matrix isolation infrared study of the 1:1 C ₂ H ₂ π -CHCl ₃ adduct. Journal of Molecular Structure, 1999, 510, 59-68.	1.8	50
51	Which One Is Preferred: Myers π -Saito Cyclization of Ene-Yne-Allene or Garratt π -Braverman Cyclization of Conjugated Bisallenic Sulfone? A Theoretical and Experimental Study. Journal of the American Chemical Society, 2009, 131, 15695-15704.	6.6	49
52	Electronic structure of triple-decker sandwich complexes with P ₆ middle rings. Synthesis and x-ray structure determination of bis(η -5-1,3-di-tert-butylcyclopentadienyl)(μ - η -6: η -6-hexaphosphorin)diniobium. Organometallics, 1992, 11, 3894-3900.	1.1	48
53	Cobalt(ii) complexes of terpyridine bases as photochemotherapeutic agents showing cellular uptake and photocytotoxicity in visible light. Dalton Transactions, 2011, 40, 1233-1242.	1.6	48
54	Icosahedral B ₁₂ , macropolyhedral boranes, I^{II} -rhombohedral boron and boron-rich solids. Journal of Solid State Chemistry, 2006, 179, 2768-2774.	1.4	47

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55	A Theoretical Investigation of the Ni(II)-Catalyzed Hydrovinylation of Styrene. <i>Organometallics</i> , 2009, 28, 3552-3566.	1.1	47
56	Synthesis, Structure, Bonding, and Reactivity of Metal Complexes Comprising Diborane(4) and Diborene(2): $[\{Cp^*Mo(CO)_2\}_2\{\frac{1}{4}B\cdot\cdot\cdot H_4\}]$ and $[\{Cp^*M(CO)_2\}_2B_2H_2M(CO)_4]$, M=Mo,W. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8079-8083.		47
57	The Role of Holes in Borophenes: An Ab Initio Study of Their Structure and Stability with and without Metal Templates. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10093-10097.	7.2	45
58	Boron analogs of cyclopropenium cation: B ₃ H ₆ ⁺ , the first three membered nonplanar 2π aromatic. <i>Journal of the American Chemical Society</i> , 1992, 114, 7939-7941.	6.6	44
59	Lithium-stabilized methanonium ions, CLi ₅ -nHn ⁺ . A theoretical study. <i>Journal of the American Chemical Society</i> , 1983, 105, 484-488.	6.6	43
60	Control of Stability through Overlap Matching: Closo-Carborynes and closo-Silaborynes. <i>Journal of the American Chemical Society</i> , 2002, 124, 4402-4407.	6.6	43
61	A Dicationic Bismuth(III) Lewis Acid: Catalytic Hydrosilylation of Olefins. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 3265-3269.	1.0	43
62	Reactivity of Cationic Terminal Borylene Complexes: Novel Mechanisms for Insertion and Metathesis Chemistry Involving Strongly Lewis Acidic Ligand Systems. <i>Organometallics</i> , 2009, 28, 2961-2975.	1.1	42
63	Reactions of Titanocene Bis(trimethylsilyl)acetylene Complexes with Carbodiimides: An Experimental and Theoretical Study of Complexation versus C≡N Bond Activation. <i>Journal of the American Chemical Society</i> , 2012, 134, 15979-15991.	6.6	42
64	Quest for Higher Ladderanes: Oligomerization of a Cyclobutadiene Derivative. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 1488-1490.	4.4	41
65	Exohedral 5- and 6-Transition-Metal Organometallic Complexes of C ₆₀ and C ₇₀ : A Theoretical Study. <i>Organometallics</i> , 2000, 19, 1879-1887.	1.1	41
66	The Self-Association of Graphane Is Driven by London Dispersion and Enhanced Orbital Interactions. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 1621-1630.	2.3	41
67	To Couple or Not To Couple: The Dilemma of Acetylide Carbons in $[(\eta^5-C_5H_5)_2M(\eta^4-CCR)_2M(\eta^5-C_5H_5)_2]$ Complexes (M = $\frac{3}{4}$ Ti, Zr). A Theoretical Study for R = $\frac{3}{4}$ H, F. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 606-608.	4.4	40
68	Theoretical Studies on the Structure and Bonding of Metallacyclocumulenes, -cyclopentynes, and -cycloallenes. <i>Organometallics</i> , 2011, 30, 2670-2679.	1.1	40
69	The [4.4.4]Fenestranes and [2.2.2]paddlane. Prospects for the realization of planar tetracoordinate carbon?. <i>Tetrahedron Letters</i> , 1981, 22, 843-846.	0.7	39
70	Cleaving carbon-carbon bonds in cyclopropenium ions. <i>Journal of the American Chemical Society</i> , 1980, 102, 2570-2575.	6.6	38
71	Tautomeric Rearrangements in Mono- and Dichalcogenide Analogs of Formic Acid, HC(X)YH (X, Y = O, S), Tj ETQq1 1.1 0.784314 rgBT / Dv	1.1	38
72	Analogy between trivalent boron and divalent silicon. <i>The Journal of Physical Chemistry</i> , 1990, 94, 5530-5535.	2.9	36

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73	Bond length and bond multiplicity: σ -bond prevents short π -bonds. <i>Chemical Communications</i> , 2006, , 2164-2166.	2.2	36
74	Theoretical Evidence of the Stabilization of an Unusual Four-Membered Metallacycloallene by a Transition-Metal Fragment. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5347-5350.	7.2	36
75	Geometries and Energies of Dilithioethylene Isomers and of Vinyl Lithium. An <i>Ab Initio</i> Study. <i>Israel Journal of Chemistry</i> , 1980, 20, 43-50.	1.0	35
76	The richness of structures available to CpMS ₄ MCp complexes. <i>Inorganic Chemistry</i> , 1989, 28, 1213-1224.	1.9	35
77	The Remarkably Stabilized Trilithiocyclopropenium Ion, C ₃ Li ₃ ⁺ , and Its Relatives. <i>Journal of the American Chemical Society</i> , 1997, 119, 9504-9512.	6.6	35
78	Structure and bonding of CH ₂ Li ₂ dimers. <i>Journal of Organometallic Chemistry</i> , 1978, 154, 327-335.	0.8	34
79	<i>Ab Initio</i> Predictions on Novel Stuffed Polyhedral Boranes. <i>Journal of the American Chemical Society</i> , 2000, 122, 7392-7393.	6.6	33
80	Design, Synthesis, and DNA Binding Properties of Photoisomerizable Azobenzene-Distamycin Conjugates: An Experimental and Computational Study. <i>Bioconjugate Chemistry</i> , 2008, 19, 2332-2345.	1.8	32
81	Contrasting Behavior of the Z Bonds in X ⁺ Z ⁻ Y Weak Interactions: Z = Main Group Elements Versus the Transition Metals. <i>Inorganic Chemistry</i> , 2017, 56, 1132-1143.	1.9	32
82	Selectivity in Garratt-Braverman Cyclization: An Experimental and Computational Study. <i>Organic Letters</i> , 2011, 13, 888-891.	2.4	30
83	Electrophilic Organobismuth Dication Catalyzes Carbonyl Hydrosilylation. <i>Chemistry - A European Journal</i> , 2020, 26, 12717-12721.	1.7	30
84	Magic Electron Counts and Bonding in Tubular Boranes. <i>Inorganic Chemistry</i> , 2003, 42, 4650-4659.	1.9	29
85	Organoaluminum cations for carbonyl activation. <i>Chemical Communications</i> , 2019, 55, 14629-14632.	2.2	29
86	A D _{4d} structure for [8]-prismane. <i>Tetrahedron Letters</i> , 1986, 27, 3771-3774.	0.7	28
87	Stabilization of Tricoordinate Pyramidal Boron: Theoretical Studies on CBSiH ₅ , BSi ₂ H ₅ , CBGeH ₅ , and CBSnH ₅ . <i>Angewandte Chemie - International Edition</i> , 2003, 42, 539-542.	7.2	28
88	Does a Sterically Bulky Group Occupy the Equatorial Site in Trigonal Bipyramidal Phosphorus?. <i>Organic Letters</i> , 2004, 6, 145-148.	2.4	28
89	(SiC) ₆₀ an Idealized Inverse Superatom?. <i>Fullerenes, Nanotubes, and Carbon Nanostructures</i> , 1995, 3, 225-239.	0.6	27
90	Tandem Si ₂ C and C ₂ H Activation for Decamethylhafnocene and Bis(trimethylsilyl)acetylene. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6907-6910.	7.2	27

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91	The curious structure of the lithiocarbon C ₃ Li ₄ . Journal of the American Chemical Society, 1977, 99, 5796-5798.	6.6	26
92	closo-Silaboranes and closo-carboranes: contrasting relative stabilities and breakdown of the rule of topological charge stabilization. Journal of the American Chemical Society, 1992, 114, 1481-1483.	6.6	26
93	Electronic Structure and Stability of closo-Heteroboranes, XYB _n H _n (n = 3-5; X, Y = N, CH, P, and SiH). An ab Initio MO Study. The Journal of Physical Chemistry, 1994, 98, 9222-9226.	2.9	26
94	Structure and Bonding in B ₁₀ X ₂ H ₁₀ (X = C and Si). The Kinky Surface of 1,2-Dehydro-o-disilaborane. Journal of the American Chemical Society, 1997, 119, 4076-4077.	6.6	26
95	Will an η^3 -Si ₃ H ₃ Ligand Form Sandwich Compounds with Main Group Elements?. Journal of the American Chemical Society, 2000, 122, 1725-1728.	6.6	26
96	Closo-Boranes, -Carboranes, and -Silaboranes: A Topographical Study Using Electron Density and Molecular Electrostatic Potential. The Journal of Physical Chemistry, 1994, 98, 6445-6451.	2.9	25
97	Nonplanarity at Tri-coordinated Aluminum and Gallium: Cyclic Structures for X ₃ H _n (X = B, Al, Ga). Journal of the American Chemical Society, 2003, 125, 16397-16407.	6.6	25
98	Reversal of Stability on Metalation of Pentagonal-Bipyramidal (1-MB ₆ H ₇ 2-, 1-M-2-CB ₅ H ₇ 1-, and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 47 American Chemical Society, 2006, 128, 10915-10922.	6.6	25
99	Exohedral Complexation of B ₄₀ , C ₆₀ and Arenes with Transition Metals: A Comparative DFT Study. Chemistry - an Asian Journal, 2016, 11, 3350-3354.	1.7	25
100	Synthesis of alkene-substituted pentacyclo[5.4.0.0 ^{2,6} .3.3,10.0 ^{5,9}]undecanes. 2. Photoelectron spectra and electronic structures of substituted pentacyclo[5.4.0.0 ^{2,6} .3.3,10.0 ^{5,9}]undecanes. Journal of the American Chemical Society, 1987, 109, 7095-7101.	6.6	24
101	Stabilization of Classical [B ₂ H ₅] ⁺ : Structure and Bonding of [(Cp*Ta) ₂ (B ₂ H ₅)($\frac{1}{4}$ H)L ₂](Cp*= η^5 -C ₅ Me ₅ ; L=SCH ₂ S). Angewandte Chemie - International Edition, 2019, 58, 17684-17689.	7.2	24
102	C \cdots H \cdots interactions involving acetylene: an ab initio MO study. Journal of Molecular Structure, 2000, 556, 315-320.	1.8	23
103	Structure and bonding of metallacyclocumulenes, radialenes, butadiyne complexes and their possible interconversion: a theoretical study. Journal of Organometallic Chemistry, 2001, 635, 204-211.	0.8	23
104	Electrostatic repulsion as an additional selectivity factor in asymmetric proline catalysis. Organic and Biomolecular Chemistry, 2006, 4, 2685.	1.5	23
105	Continuum in the σ -weak bonds: Z = main group elements. Journal of Computational Chemistry, 2016, 37, 270-279.	1.5	23
106	A Neutral Three-Membered π -Aromatic Disilaborirane and the Unique Conversion into a Four-Membered BSi ₂ N Ring. Angewandte Chemie - International Edition, 2020, 59, 23015-23019.	7.2	23
107	Generation of Cationic Two-Coordinate Group-13 Ligand Systems by Spontaneous Halide Ejection: Remarkably Nucleophile-Resistant (Dimethylamino)borylene Complexes. Journal of the American Chemical Society, 2010, 132, 4586-4588.	6.6	22
108	A DFT Study on the Stabilization of the B \equiv B Triple Bond in a Metallaborocycle: Contrasting Electronic Structures of Boron and Carbon Analogues. Chemistry - A European Journal, 2017, 23, 9746-9751.	1.7	22

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109	Reversing Lewis acidity from bismuth to antimony. <i>Chemical Communications</i> , 2021, 57, 8889-8892.	2.2	22
110	Shape and angle strain in organic intermediates. A model study of alkyl radicals, anions, and cations. <i>Journal of the American Chemical Society</i> , 1976, 98, 6483-6489.	6.6	21
111	Bond Localization in Annelated Benzenes: An Additivity Scheme. <i>Journal of Organic Chemistry</i> , 1996, 61, 9006-9008.	1.7	21
112	Silicon-Coated Fullerenes, (SiC) _n , n = 20 to 60. Preliminary Evaluation of a New Class of Heterofullerenes. <i>Chemistry Letters</i> , 1994, 23, 1037-1040.	0.7	20
113	H-Bridged Structures for Tetrahedranes A ₄ H ₄ (A = C, Si, Ge, Sn, and Pb). <i>Journal of the American Chemical Society</i> , 1997, 119, 12968-12973.	6.6	20
114	The ubiquitous icosahedral B ₁₂ in boron chemistry. <i>Bulletin of Materials Science</i> , 1999, 22, 863-867.	0.8	20
115	Experimental and Theoretical Studies of Unusual Four-Membered Metallacycles from Reactions of Group 4 Metallocene Bis(trimethylsilyl)acetylene Complexes with the Sulfurdiimide Me ₃ SiN=S=NSiMe ₃ . <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 611-617.	1.0	20
116	Negative hyperconjugation and red-, blue- or zero-shift in X ⁺ Z ⁻ Y complexes. <i>Faraday Discussions</i> , 2015, 177, 33-50.	1.6	20
117	Metal Templates and Boron Sources Controlling Borophene Structures: An Ab Initio Study. <i>Journal of Physical Chemistry C</i> , 2018, 122, 2268-2274.	1.5	20
118	Theoretical Study of the Reaction of B ₂₀ H ₁₆ with MeCN: Closo to Closo/Nido Conversion. <i>Inorganic Chemistry</i> , 2008, 47, 4375-4382.	1.9	19
119	Reactivity of Bispropargyl Sulfones under Basic Conditions: Interplay Between Garratt-Braverman and Schmittel/Myers-Saito Cyclization Pathway. <i>Chemistry - an Asian Journal</i> , 2012, 7, 957-965.	1.7	19
120	Electronic structure and bonding in tetradecahedron sandwich complexes. <i>Journal of the American Chemical Society</i> , 1990, 112, 722-727.	6.6	18
121	Ab Initio Studies on Disubstituted closo-Icosahedral Heteroboranes, X ₂ B ₁₀ H ₁₀ [X = CH, SiH, N, P, and Sb]. <i>Chemische Berichte</i> , 1997, 130, 1147-1150.	0.2	18
122	Ab Initio MO Study of Diverse Si ₃ H ₃ +Isomers. <i>Journal of Physical Chemistry A</i> , 1999, 103, 11034-11039.	1.1	18
123	Theoretical and experimental study of [2+2]-photoclosure approach toward [7]-prismane analogs. <i>Tetrahedron Letters</i> , 1988, 29, 1613-1616.	0.7	17
124	Exotic Structures of Si ₂ B ₂ H ₄ . <i>Journal of Physical Chemistry A</i> , 1997, 101, 919-925.	1.1	17
125	Ab Initio HF and Density Functional Theory Studies of C ₆₀ @Si ₆₀ . Fullerenes, Nanotubes, and Carbon Nanostructures, 1998, 6, 271-281.	0.6	17
126	Structure and Bonding in Cyclic Isomers of BA ₂ H _m (n=3-6, m=2 to +1): Preference for Planar Tetracoordination, Pyramidal Tricoordination, and Divalency. <i>Chemistry - A European Journal</i> , 2007, 13, 2622-2631.	1.7	17

#	ARTICLE	IF	CITATIONS
127	<i>Closo</i> versus <i>Hypercloso</i> Metallaboranes: A DFT Study. <i>Inorganic Chemistry</i> , 2009, 48, 7818-7827.	1.9	17
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