

# Eluvathingal D Jemmis

## List of Publications by Citations

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242  
papers

7,293  
citations

46  
h-index

74  
g-index

266  
ext. papers

7,922  
ext. citations

7.4  
avg, IF

5.97  
L-index

#	Paper	IF	Citations
242	Red-, blue-, or no-shift in hydrogen bonds: a unified explanation. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 4620-32	16.4	625
241	Stabilization of planar tetracoordinate carbon. <i>Journal of the American Chemical Society</i> , <b>1976</b> , 98, 5419-5427	16.4	347
240	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> , <b>1982</b> , 104, 4781-4788	16.4	201
239	Electronic requirements for macropolyhedral boranes. <i>Chemical Reviews</i> , <b>2002</b> , 102, 93-144	68.1	181
238	A unifying electron-counting rule for macropolyhedral boranes, metallaboranes, and metallocenes. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 4313-23	16.4	158
237	Stuffing improves the stability of fullerene-like boron clusters. <i>Physical Review Letters</i> , <b>2008</b> , 100, 165504	7.4	135
236	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> , <b>1985</b> , 107, 6393-6394	16.4	132
235	Overlap control and stability of polyhedral molecules. closo-Carboranes. <i>Journal of the American Chemical Society</i> , <b>1982</b> , 104, 7017-7020	16.4	130
234	Aromaticity in X(3)Y(3)H(6) (X = B, Al, Ga; Y = N, P, As), X(3)Z(3)H(3) (Z = O, S, Se), and Phosphazenes. Theoretical Study of the Structures, Energetics, and Magnetic Properties. <i>Inorganic Chemistry</i> , <b>1998</b> , 37, 2110-2116	5.1	126
233	Nanoisozymes: Crystal-Facet-Dependent Enzyme-Mimetic Activity of V O Nanomaterials. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 4510-4515	16.4	124
232	Unusual metal-carbon-hydrogen angles, carbon-hydrogen bond activation, and .alpha.-hydrogen abstraction in transition-metal carbene complexes. <i>Journal of the American Chemical Society</i> , <b>1980</b> , 102, 7667-7676	16.4	119
231	Is borazine aromatic? Unusual parallel behavior between hydrocarbons and corresponding B-N analogues. <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 3615-8	5.1	117
230	Characteristics of novel sandwiched beryllium, magnesium, and calcium dimers: C5H5BeBeC5H5, C5H5MgMgC5H5, and C5H5CaCaC5H5. <i>Chemical Physics Letters</i> , <b>2005</b> , 402, 414-421	2.5	110
229	Cp2M2(CO)4 - quadruply bridging, doubly bridging, semibridging, or nonbridging?. <i>Journal of the American Chemical Society</i> , <b>1980</b> , 102, 2576-2585	16.4	102
228	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> , <b>1991</b> , 113, 4665-4671	16.4	94
227	Analogies between boron and carbon. <i>Accounts of Chemical Research</i> , <b>2003</b> , 36, 816-24	24.3	90
226	Mechanism of gallic acid biosynthesis in bacteria ( <i>Escherichia coli</i> ) and walnut ( <i>Juglans regia</i> ). <i>Plant Molecular Biology</i> , <b>2011</b> , 75, 555-65	4.6	70

225	Ab initio structures of allyllithium. <i>Journal of Organometallic Chemistry</i> , <b>1978</b> , 150, 1-6	2.3	70
224	Structure and Neutral Homoaromaticity of Metallacyclopentene, -pentadiene, -pentyne, and -pentatriene: A Density Functional Study. <i>Organometallics</i> , <b>2003</b> , 22, 4958-4965	3.8	66
223	New insights into the visible-light-induced DNA cleavage activity of dipyridoquinoxaline complexes of bivalent 3d-metal ions. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 11122-32	5.1	62
222	Polyhedral boranes and elemental boron: direct structural relations and diverse electronic requirements. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 4324-30	16.4	62
221	Electronic structure of triple-decker sandwich compounds with P5, P6, As5, and CnHn as middle rings. <i>Organometallics</i> , <b>1988</b> , 7, 1561-1564	3.8	62
220	Structures, Stabilities, and Ionization Potentials of Dodecahedrane Endohedral Complexes. <i>Journal of Physical Chemistry A</i> , <b>2002</b> , 106, 5144-5154	2.8	61
219	Novel Mechanism for Interesting C $\pi$ Coupling and Cleavage Reactions and Control of Thermodynamic Stability Involving [L2M( $\eta$ -CCR)2ML2] and [L2M( $\eta$ -RCC-CCR)ML2] Complexes (M = Ti, Zr; L = $\eta$ -C5H5, Cl, H; R = H, F, CN): A Theoretical Study1. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 6952-6964	16.4	60
218	The unusual structures, energies, and bonding of lithium-substituted allenes, propynes, and cyclopropenes. <i>Journal of the American Chemical Society</i> , <b>1979</b> , 101, 2848-2856	16.4	59
217	Structure and bonding in L2M( $\mu$ -CCR)2ML2 and L2M( $\mu$ -RC4R)ML2 (L2M = Cp2Zr, Cp2Ti, R2Al, R(NR3)Be, (tmpda)Li, H2B, and H2C+). A molecular orbital study. <i>Journal of the American Chemical Society</i> , <b>1988</b> , 110, 125-131	16.4	58
216	Metallacyclocumulenes: a theoretical perspective on the structure, bonding, and reactivity. <i>Accounts of Chemical Research</i> , <b>2014</b> , 47, 2917-30	24.3	57
215	Structure, reactivity and aromaticity of acenes and their BN analogues: a density functional and electrostatic investigation. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 5824-32	5.1	57
214	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> , <b>2011</b> , 133, 5463-73	16.4	56
213	Ab initio SCF-MO study of cyclopentadienylberyllium hydride and of beryllocene. <i>Journal of the American Chemical Society</i> , <b>1978</b> , 100, 5695-5700	16.4	54
212	Electronic structure and bonding of rhombohedral boron using cluster fragment approach. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	53
211	Structure-activity relationship of photocytotoxic iron(III) complexes of modified dipyridophenazine ligands. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 2975-87	5.1	52
210	Half-Sandwich Group 8 Borylene Complexes: Synthetic and Structural Studies and Oxygen Atom Abstraction Chemistry. <i>Organometallics</i> , <b>2009</b> , 28, 2947-2960	3.8	52
209	Synthesis, characterization, and electronic structure of new type of heterometallic boride clusters. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 9414-22	5.1	51
208	Vertex-fused metallaborane clusters: synthesis, characterization and electronic structure of [( $\eta$ -5-C5Me5Mo)3MoB9H18]. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 900-4	5.1	51

207	Dependence of the Structure and Stability of Cyclocumulenes and Cyclopropenes on the Replacement of the CH <sub>2</sub> Group by Titanocene and Zirconocene: A Density Functional Theory Study. <i>Organometallics</i> , <b>2002</b> , 21, 2254-2261	3.8	51
206	Hypercarbons in polyhedral structures. <i>Chemical Society Reviews</i> , <b>2006</b> , 35, 157-68	58.5	50
205	Electronic Requirements of Polycondensed Polyhedral Boranes. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 4516-4517	16.4	50
204	Lithiated carbocations. The generation, structure, and stability of CLi <sub>5</sub> <sup>+</sup> . <i>Journal of the American Chemical Society</i> , <b>1982</b> , 104, 4275-4276	16.4	50
203	Subtype selectivity in phosphodiesterase 4 (PDE4): a bottleneck in rational drug design. <i>Current Pharmaceutical Design</i> , <b>2008</b> , 14, 3854-72	3.3	49
202	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. <i>Chemical Communications</i> , <b>2004</b> , 2074-5	5.8	49
201	Which one is preferred: Myers-Saito cyclization of ene-yne-allene or Garratt-Braverman cyclization of conjugated bisallenic sulfone? A theoretical and experimental study. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 15695-704	16.4	48
200	An ab initio and matrix isolation infrared study of the 1:1 C <sub>2</sub> H <sub>2</sub> :HCl <sub>3</sub> adduct. <i>Journal of Molecular Structure</i> , <b>1999</b> , 510, 59-68	3.4	48
199	1,2-Dilithioethane. A molecular orbital study. <i>Journal of the American Chemical Society</i> , <b>1981</b> , 103, 4996-5002	50.2	48
198	Chlorinated hypoelectronic dimetallaborane clusters: synthesis, characterization, and electronic structures of (eta(5)-C <sub>5</sub> Me <sub>5</sub> W) <sub>2</sub> B <sub>5</sub> H(n)Cl(m) (n = 7, m = 2 and n = 8, m = 1). <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 6509-16	5.1	47
197	Group 14 Analogs of the Cyclopropenium Ion: Do They Favor Classical Aromatic Structures?. <i>Journal of the American Chemical Society</i> , <b>1995</b> , 117, 11361-11362	16.4	47
196	Are Metallocene-Acetylene (M = Ti, Zr, Hf) Complexes Aromatic Metallacyclopropenes?. <i>Organometallics</i> , <b>2010</b> , 29, 76-81	3.8	45
195	Heterolytic activation of H-X (X = H, Si, B, and C) bonds: an experimental and theoretical investigation. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 5587-96	16.4	45
194	Synthetic strategies towards C <sub>60</sub> . Molecular mechanics and MNDO study on sumanene and related structures. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1993</b> , 1867		44
193	A Theoretical Investigation of the Ni(II)-Catalyzed Hydrovinylation of Styrene. <i>Organometallics</i> , <b>2009</b> , 28, 3552-3566	3.8	43
192	Reactivity of Cationic Terminal Borylene Complexes: Novel Mechanisms for Insertion and Metathesis Chemistry Involving Strongly Lewis Acidic Ligand Systems. <i>Organometallics</i> , <b>2009</b> , 28, 2961-2975	3.8	41
191	Electronic structure of triple-decker sandwich complexes with P <sub>6</sub> middle rings. Synthesis and x-ray structure determination of bis(eta.5-1,3-di-tert-butylcyclopentadienyl)(mu.-eta.6:eta.6-hexaphosporin)diniobium. <i>Organometallics</i> , <b>1992</b> , 11, 3894-3900	3.8	41
190	Stabilization of D <sub>3h</sub> pentacoordinate carbonium ions. Linear three-center-two-electron bonds. Implications for aliphatic electrophilic substitution reactions. <i>Journal of the American Chemical Society</i> , <b>1979</b> , 101, 527-533	16.4	41

189	Control of stability through overlap matching: closo-carborynes and closo-silaborynes. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 4402-7	16.4	40
188	Exohedral $\text{B}_5$ and $\text{B}_6$ Transition-Metal Organometallic Complexes of C60 and C70: A Theoretical Study. <i>Organometallics</i> , <b>2000</b> , 19, 1879-1887	3.8	39
187	Cobalt(II) complexes of terpyridine bases as photochemotherapeutic agents showing cellular uptake and photocytotoxicity in visible light. <i>Dalton Transactions</i> , <b>2011</b> , 40, 1233-42	4.3	38
186	Icosahedral B12, macropolyhedral boranes, $\text{B}_{10}$ rhombohedral boron and boron-rich solids. <i>Journal of Solid State Chemistry</i> , <b>2006</b> , 179, 2768-2774	3.3	38
185	Boron analogs of cyclopropenium cation: $\text{B}_3\text{H}_6^+$ , the first three membered nonplanar 2. $\pi$ i aromatic. <i>Journal of the American Chemical Society</i> , <b>1992</b> , 114, 7939-7941	16.4	38
184	Lithium-stabilized methanonium ions, $\text{CLi}_5\text{-nHn}^+$ . A theoretical study. <i>Journal of the American Chemical Society</i> , <b>1983</b> , 105, 484-488	16.4	38
183	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> , <b>2012</b> , 134, 15979-91	16.4	37
182	Tautomeric Rearrangements in Mono- and Dichalcogenide Analogs of Formic Acid, $\text{HC(X)YH}$ (X, Y = O, S, Se, Te): A Theoretical Study. <i>Journal of Physical Chemistry A</i> , <b>1997</b> , 101, 7389-7395	2.8	37
181	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> , <b>2017</b> , 56, 10093-10097	16.4	36
180	The Self-Association of Graphane Is Driven by London Dispersion and Enhanced Orbital Interactions. <i>Journal of Chemical Theory and Computation</i> , <b>2015</b> , 11, 1621-30	6.4	36
179	Theoretical Studies on the Structure and Bonding of Metallacyclocumulenes, -cyclopentynes, and -cycloallenes. <i>Organometallics</i> , <b>2011</b> , 30, 2670-2679	3.8	36
178	The [4.4.4]Fenestranes and [2.2.2]paddlane. Prospects for the realization of planar tetracoordinate carbon?. <i>Tetrahedron Letters</i> , <b>1981</b> , 22, 843-846	2	36
177	Consequence of Ligand Bite Angle on Bismuth Lewis Acidity. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 9391-9395	5.1	35
176	To Couple or Not To Couple: The Dilemma of Acetylide Carbons in $[(\text{B}_5\text{-C}_5\text{H}_5)_2\text{M}(\text{ECCR})_2\text{M}(\text{B}_5\text{C}_5\text{H}_5)_2]$ Complexes (M = Ti, Zr). A Theoretical Study for R = H, F. <i>Angewandte Chemie International Edition in English</i> , <b>1997</b> , 36, 606-608		35
175	Quest for Higher Ladderanes: Oligomerization of a Cyclobutadiene Derivative. <i>Angewandte Chemie International Edition in English</i> , <b>1992</b> , 31, 1488-1490		34
174	Cleaving carbon-carbon bonds in cyclopropenium ions. <i>Journal of the American Chemical Society</i> , <b>1980</b> , 102, 2570-2575	16.4	33
173	Bond length and bond multiplicity: sigma-bond prevents short pi-bonds. <i>Chemical Communications</i> , <b>2006</b> , 2164-6	5.8	32
172	Analogy between trivalent boron and divalent silicon. <i>The Journal of Physical Chemistry</i> , <b>1990</b> , 94, 5530-5535		32

- 171 Theoretical evidence of the stabilization of an unusual four-membered metallacycloallene by a transition-metal fragment. *Angewandte Chemie - International Edition*, **2012**, 51, 5347-50 16.4 31
- 170 The richness of structures available to CpMS<sub>4</sub>MCp complexes. *Inorganic Chemistry*, **1989**, 28, 1213-1224 5.1 31
- 169 Ab Initio Predictions on Novel Stuffed Polyhedral Boranes. *Journal of the American Chemical Society*, **2000**, 122, 7392-7393 16.4 30
- 168 Structure and bonding of CH<sub>2</sub>Li<sub>2</sub> dimers. *Journal of Organometallic Chemistry*, **1978**, 154, 327-335 2.3 30
- 167 The Remarkably Stabilized Trilithiocyclopropenium Ion, C<sub>3</sub>Li<sub>3</sub><sup>+</sup>, and Its Relatives. *Journal of the American Chemical Society*, **1997**, 119, 9504-9512 16.4 28
- 166 Design, synthesis, and DNA binding properties of photoisomerizable azobenzene-distamycin conjugates: an experimental and computational study. *Bioconjugate Chemistry*, **2008**, 19, 2332-45 6.3 28
- 165 Does a sterically bulky group occupy the equatorial site in trigonal bipyramidal phosphorus?. *Organic Letters*, **2004**, 6, 145-8 6.2 28
- 164 Geometries and Energies of Dilithioethylene Isomers and of Vinyl Lithium. An Ab Initio Study. *Israel Journal of Chemistry*, **1980**, 20, 43-50 3.4 28
- 163 Selectivity in Garratt-Braverman cyclization: an experimental and computational study. *Organic Letters*, **2011**, 13, 888-91 6.2 27
- 162 Magic electron counts and bonding in tubular boranes. *Inorganic Chemistry*, **2003**, 42, 4650-9 5.1 27
- 161 Will an B-SiH<sub>3</sub> Ligand Form Sandwich Compounds with Main Group Elements?. *Journal of the American Chemical Society*, **2000**, 122, 1725-1728 16.4 26
- 160 (SiC)<sub>60</sub>: an Idealized Inverse Superatom?. *Fullerenes, Nanotubes, and Carbon Nanostructures*, **1995**, 3, 225-239 26
- 159 A D<sub>4d</sub> structure for [8]-prismane. *Tetrahedron Letters*, **1986**, 27, 3771-3774 2 26
- 158 Synthesis, Structure, Bonding, and Reactivity of Metal Complexes Comprising Diborane(4) and Diborene(2): [Cp\*Mo(CO)]<sub>2</sub>(B<sub>2</sub>H<sub>4</sub>) and [Cp\*M(CO)]<sub>2</sub>(B<sub>2</sub>H<sub>4</sub>), M=Mo,W. *Angewandte Chemie - International Edition*, **2018**, 57, 8079-8083 16.4 25
- 157 Stabilization of tricoordinate pyramidal boron: theoretical studies on CBSiH<sub>5</sub>, BSi<sub>2</sub>H<sub>5</sub>, CBGeH<sub>5</sub>, and CBSnH<sub>5</sub>. *Angewandte Chemie - International Edition*, **2003**, 42, 539-42 16.4 25
- 156 Structure and Bonding in B<sub>10</sub>X<sub>2</sub>H<sub>10</sub> (X = C and Si). The Kinky Surface of 1,2-Dehydro-o-disilaborane. *Journal of the American Chemical Society*, **1997**, 119, 4076-4077 16.4 24
- 155 Contrasting Behavior of the Z Bonds in X-Z···Y Weak Interactions: Z = Main Group Elements Versus the Transition Metals. *Inorganic Chemistry*, **2017**, 56, 1132-1143 5.1 23
- 154 Tandem Si-C and C-H activation for decamethylhafnocene and bis(trimethylsilyl)acetylene. *Angewandte Chemie - International Edition*, **2007**, 46, 6907-10 16.4 23

- 153 Reversal of stability on metalation of pentagonal-bipyramidal (1-MB6H7(2-) 1-M-2-CB5H7(1-) and 1-M-2,4-C2B4H7) and Icosahedral (1-MB11H12(2-) 1-M-2-CB10H12(1-) and 1-M-2,4-C2B9H12) boranes (M = Al, Ga, In, and Tl): energetics of condensation and relationship to binuclear metallocenes. *Journal of the American Chemical Society*, **2006**, 128, 10915-22 16.4 23
- 152 C $\pi$ - $\pi$  interactions involving acetylene: an ab initio MO study. *Journal of Molecular Structure*, **2000**, 556, 315-320 3.4 23
- 151 Closo-Boranes, -Carboranes, and -Silaboranes: A Topographical Study Using Electron Density and Molecular Electrostatic Potential. *The Journal of Physical Chemistry*, **1994**, 98, 6445-6451 23
- 150 Electronic Structure and Stability of closo-Heteroboranes, XYB<sub>n</sub>H<sub>n</sub> (n = 3-5; X, Y = N, CH, P, and SiH). An ab Initio MO Study. *The Journal of Physical Chemistry*, **1994**, 98, 9222-9226 23
- 149 A Dicationic Bismuth(III) Lewis Acid: Catalytic Hydrosilylation of Olefins. *European Journal of Inorganic Chemistry*, **2019**, 2019, 3265-3269 2.3 22
- 148 Nonplanarity at tri-coordinated aluminum and gallium: cyclic structures for X<sub>3</sub>H<sub>n</sub>(m) (X = B, Al, Ga). *Journal of the American Chemical Society*, **2003**, 125, 16397-407 16.4 22
- 147 Synthesis of alkene-substituted pentacyclo[5.4.0.0<sup>2,6</sup>.3.3,10.0<sup>5,9</sup>]undecanes. 2. Photoelectron spectra and electronic structures of substituted pentacyclo[5.4.0.0<sup>2,6</sup>.3.3,10.0<sup>5,9</sup>]undecanes. *Journal of the American Chemical Society*, **1987**, 109, 7095-7101 16.4 22
- 146 Structure and bonding of metallacyclocumulenes, radialenes, butadiyne complexes and their possible interconversion: a theoretical study. *Journal of Organometallic Chemistry*, **2001**, 635, 204-211 2.3 21
- 145 The curious structure of the lithiocarbon C<sub>3</sub>Li<sub>4</sub>. *Journal of the American Chemical Society*, **1977**, 99, 5796-5798 16.4 21
- 144 Continuum in the X-Z---Y weak bonds: Z= main group elements. *Journal of Computational Chemistry*, **2016**, 37, 270-9 3.5 21
- 143 Exohedral Complexation of B, C and Arenes with Transition Metals: A Comparative DFT Study. *Chemistry - an Asian Journal*, **2016**, 11, 3350-3354 4.5 20
- 142 Experimental and Theoretical Studies of Unusual Four-Membered Metallacycles from Reactions of Group 4 Metallocene Bis(trimethylsilyl)acetylene Complexes with the Sulfur diimide Me<sub>3</sub>SiN=S=NSiMe<sub>3</sub>. *European Journal of Inorganic Chemistry*, **2012**, 2012, 611-617 2.3 20
- 141 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, 4586-8 16.4 20
- 140 Electrostatic repulsion as an additional selectivity factor in asymmetric proline catalysis. *Organic and Biomolecular Chemistry*, **2006**, 4, 2685-9 3.9 20
- 139 Silicon-Coated Fullerenes, (SiC)<sub>n</sub>, n = 20 to 60. Preliminary Evaluation of a New Class of Heterofullerenes. *Chemistry Letters*, **1994**, 23, 1037-1040 1.7 20
- 138 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 16.4 20
- 137 A DFT Study on the Stabilization of the B≡B Triple Bond in a Metallaborocycle: Contrasting Electronic Structures of Boron and Carbon Analogues. *Chemistry - A European Journal*, **2017**, 23, 9746-9751 4.8 18
- 136 Negative hyperconjugation and red-, blue- or zero-shift in X-Z $\pi$  complexes. *Faraday Discussions*, **2015**, 177, 33-50 3.6 18

135	Reactivity of bispropargyl sulfones under basic conditions: interplay between Garratt-Braverman and Schmittel/Myers-Saito cyclization pathway. <i>Chemistry - an Asian Journal</i> , <b>2012</b> , 7, 957-65	4.5	18
134	The ubiquitous icosahedral B <sub>12</sub> in boron chemistry. <i>Bulletin of Materials Science</i> , <b>1999</b> , 22, 863-867	1.7	18
133	Bond Localization in Annelated Benzenes: An Additivity Scheme. <i>Journal of Organic Chemistry</i> , <b>1996</b> , 61, 9006-9008	4.2	18
132	H-Bridged Structures for Tetrahedranes A <sub>4</sub> H <sub>4</sub> (A = C, Si, Ge, Sn, and Pb). <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 12968-12973	16.4	17
131	Ab Initio HF and Density Functional Theory Studies of C <sub>60</sub> @Si <sub>60</sub> . <i>Fullerenes, Nanotubes, and Carbon Nanostructures</i> , <b>1998</b> , 6, 271-281		17
130	Shape and angle strain in organic intermediates. A model study of alkyl radicals, anions, and cations. <i>Journal of the American Chemical Society</i> , <b>1976</b> , 98, 6483-6489	16.4	17
129	Ab Initio MO Study of Diverse Si <sub>3</sub> H <sub>3</sub> +Isomers. <i>Journal of Physical Chemistry A</i> , <b>1999</b> , 103, 11034-11039	2.8	16
128	Electronic structure and bonding in tetradeccker sandwich complexes. <i>Journal of the American Chemical Society</i> , <b>1990</b> , 112, 722-727	16.4	16
127	Closo versus hypercloso metallaboranes: A DFT study. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 7818-27	5.1	15
126	Ab Initio Studies on Disubstituted closo-Icosahedral Heteroboranes, X <sub>2</sub> B <sub>10</sub> H <sub>10</sub> [X = CH, SiH, N, P, and Sb]. <i>Chemische Berichte</i> , <b>1997</b> , 130, 1147-1150		15
125	Aza-bowls: synthesis and molecular structure of triaza-[3]-peristylane. <i>Tetrahedron Letters</i> , <b>2000</b> , 41, 2999-3002	2	15
124	Electrophilic Organobismuth Dication Catalyzes Carbonyl Hydrosilylation. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 12717-12721	4.8	14
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