

Tatyana N Gribanova

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76
papers

762
citations

14
h-index

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78
ext. papers

806
ext. citations

1.6
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3.64
L-index

#	Paper	IF	Citations
76	Octacoordinated main-group element centres in a planar cyclic B8 environment: an ab initio study. <i>Mendeleev Communications</i> , 2001 , 11, 213-214	1.9	61
75	Poly[n]prismanes: a family of stable cage structures with half-planar carbon centers. <i>Journal of Organic Chemistry</i> , 2003 , 68, 8588-94	4.2	58
74	Planar and pyramidal tetracoordinate carbon in organoboron compounds. <i>Journal of Organic Chemistry</i> , 2005 , 70, 6693-704	4.2	52
73	Low-temperature IR and NMR studies of the interaction of group 8 metal dihydrides with alcohols. <i>Chemistry - A European Journal</i> , 2003 , 9, 2219-28	4.8	45
72	Heptacoordinated Carbon and Nitrogen in a Planar Boron Ring. <i>Doklady Chemistry</i> , 2002 , 382, 41-45	0.8	41
71	Specific and non-specific influence of the environment on dihydrogen bonding and proton transfer to [RuH ₂ {P(CH ₂ CH ₂ PPh ₂) ₃ }. <i>Journal of Molecular Structure</i> , 2007 , 844-845, 115-131	3.4	30
70	Planar Tetracoordinate Carbon in Organoboron Compounds: ab initio Computational Study. <i>Collection of Czechoslovak Chemical Communications</i> , 1999 , 64, 1780-1789		27
69	Planar hexacoordinated boron in organoboron compounds: an ab initio study. <i>Mendeleev Communications</i> , 2001 , 11, 169-170	1.9	26
68	Photochromic crown-containing molecular switches of chemosensor activity. <i>Journal of Physical Organic Chemistry</i> , 2007 , 20, 917-928	2.1	24
67	A quantum-chemical study of carbon sandwich compounds. <i>Mendeleev Communications</i> , 2004 , 14, 96-98	1.9	22
66	Structure and stability of the heteroannulated [8h0]circulenes: A quantum-chemical study. <i>Pure and Applied Chemistry</i> , 2010 , 82, 1011-1024	2.1	18
65	Planar tetracoordinated nitrogen in boron-containing compounds: a theoretical quantum-chemical study. <i>Mendeleev Communications</i> , 2002 , 12, 170-172	1.9	16
64	Sandwich compounds of transition metals with cyclopolyenes and isolobal boron analogues. <i>Chemistry - A European Journal</i> , 2010 , 16, 2272-81	4.8	15
63	A hydrocarbon dication with nonplanar hexacoordinated carbon. <i>Mendeleev Communications</i> , 2004 , 14, 47-48	1.9	15
62	Photochromic Cation Sensors. <i>Molecular Crystals and Liquid Crystals</i> , 2005 , 431, 417-422	0.5	14
61	Carbon, nitrogen, and oxygen hypercoordination in half-sandwich and sandwich structures. <i>Russian Chemical Bulletin</i> , 2005 , 54, 533-546	1.7	14
60	Theoretical design of planar systems with hypercoordinate p elements of the second period in a nonmetallic environment. <i>Russian Journal of General Chemistry</i> , 2008 , 78, 750-768	0.7	12

59	Sandwich compounds with central hypercoordinate carbon, nitrogen, and oxygen: A quantum-chemical study. <i>Heteroatom Chemistry</i> , 2006 , 17, 464-474	1.2	12
58	Structural stability of [n]-prismanes and [n]-asteranes: A quantum-chemical study. <i>Doklady Chemistry</i> , 2006 , 411, 193-196	0.8	12
57	Structure and stability of closo-hexaboranes and their heteroanalogs. <i>Russian Chemical Bulletin</i> , 2004 , 53, 1159-1167	1.7	12
56	Stabilization of Planar Four-Coordinate Boron, Carbon, and Silicon Atoms in Borane Clusters: A Quantum-Chemical Study. <i>Russian Journal of General Chemistry</i> , 2005 , 75, 1651-1658	0.7	11
55	Quantum-chemical study of heteroanalogues of [8]circulenes and their derivatives. <i>Doklady Chemistry</i> , 2009 , 426, 105-110	0.8	10
54	Hypercoordinate atoms of second-row elements in dodecahedrane endohedral complexes. <i>Russian Chemical Bulletin</i> , 2007 , 56, 856-862	1.7	10
53	Hypercoordinated carbon in endohedral hydrocarbon cage complexes C@C ₂₀ H ₄₀ and C@C ₂₀ H ₂₀ Li ₄ . <i>Doklady Chemistry</i> , 2006 , 407, 47-50	0.8	10
52	Novel architectures of boron. <i>Structural Chemistry</i> , 2020 , 31, 2105-2128	1.8	10
51	Multi-decker tricarbonyl-bridged sandwich complexes of transition metals: structure, stability and electron-counting rules. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 14803-9	3.6	8
50	Extended organoboron structures containing several planar tetracoordinate carbon atoms. <i>Doklady Chemistry</i> , 2008 , 419, 101-107	0.8	8
49	Octacoordinated Carbon in a Boron-Carbon Cage. <i>Doklady Chemistry</i> , 2005 , 404, 193-198	0.8	8
48	Novel aromatic oxaborabenzene and 9-oxa-1,8-diboranaphthalene systems: an ab initio study. <i>Mendeleev Communications</i> , 2001 , 11, 43-44	1.9	8
47	Quantum-chemical investigation of structure and stability of [n]-prismanes and [n]-asteranes. <i>Russian Journal of Organic Chemistry</i> , 2007 , 43, 1144-1150	0.7	7
46	Hexacoordinated Carbon in an Organoboron Cage. <i>Doklady Chemistry</i> , 2004 , 396, 122-126	0.8	7
45	Induced aromaticity. <i>Russian Chemical Bulletin</i> , 2001 , 50, 2325-2335	1.7	7
44	Structure and stability of the C-doped boron fullerenes B ₆₀ C ₁₂ and B ₈₀ C ₁₂ with quasi-planar pentacoordinated cage carbon atoms: a quantum-chemical study. <i>Mendeleev Communications</i> , 2016 , 26, 485-487	1.9	6
43	Multidecker transition metal sandwich compounds. <i>Doklady Chemistry</i> , 2009 , 429, 258-263	0.8	6
42	Intramolecular Y<-O (Y = N, P, As, Sb, Bi) coordination in organopnictogen compounds: an ab initio and DFT study. <i>Russian Chemical Bulletin</i> , 2001 , 50, 2028-2045	1.7	6

41	Structural stability of supertetrahedral [n]-prismanes and their boron analogues: A quantum-chemical study. <i>Doklady Chemistry</i> , 2013 , 453, 270-272	0.8	5
40	Structure and stability of the mixed polymolecular complexes of nitrogen and carbon nonoxide: A quantum chemical study. <i>Russian Journal of General Chemistry</i> , 2011 , 81, 807-818	0.7	5
39	Complexes of transition metal tricarbonyls with cyclopolyenes and their boron analogs. <i>Russian Chemical Bulletin</i> , 2009 , 58, 691-705	1.7	5
38	Sandwich and multidecker sandwich derivatives of first-row elements (Be, C, N). <i>Doklady Chemistry</i> , 2009 , 424, 1-6	0.8	5
37	Anthranilic acid hydrazide in the synthesis of fused polycyclic compounds with quinazoline moieties. <i>Russian Chemical Bulletin</i> , 2008 , 57, 2340-2348	1.7	5
36	Induced Aromaticity and Electron-Count Rules for Bipyramidal and Sandwich Complexes of s- and d-Metals. <i>Open Organic Chemistry Journal</i> , 2011 , 5, 62-78		5
35	Stabilization of non-typical forms of boron clusters by beryllium doping. <i>Chemical Physics</i> , 2019 , 522, 44-54	2.3	5
34	Hypercoordinated carbon in C-doped boron fullerenes: a quantum chemical study. <i>Structural Chemistry</i> , 2017 , 28, 357-369	1.8	4
33	Distorted Saturated Hydrocarbons		4
32	Hypercoordinated oxygen and fluorine atoms in an organoboron cage. <i>Doklady Chemistry</i> , 2007 , 412, 1-4	0.8	4
31	Stabilization of octacoordinate carbon center in metal-containing derivatives of orthocarbonic acid. <i>Russian Chemical Bulletin</i> , 2005 , 54, 1989-1998	1.7	4
30	Structure and isomerization of heterapentalene compounds containing hypervalent bonds with central nitrogen, phosphorus, or arsenic atom. <i>Russian Chemical Bulletin</i> , 2001 , 50, 195-202	1.7	4
29	Stabilization of non-standard conformations of the annulene rings in cyclobutadiene-framed [n]annulenes (n = 8, 10, 12, 14) and their beryllium sandwich-like complexes: a quantum chemical study. <i>Structural Chemistry</i> , 2016 , 27, 1229-1240	1.8	4
28	Stabilization of boron clusters with classical fullerene structures by combined doping effect: a quantum chemical study. <i>Structural Chemistry</i> , 2018 , 29, 327-340	1.8	3
27	Structure and stability of bipyramidal complexes of cyclopolyenes with transition metal carbonyls. <i>Doklady Chemistry</i> , 2011 , 436, 22-26	0.8	3
26	Synthesis and crystal structure of 5-(3,5-di-tert-butyl-4-hydroxyphenyl)-1,2,3,5-tetrahydrophenazine. <i>Russian Chemical Bulletin</i> , 2009 , 58, 940-943	1.7	3
25	Nonclassical systems with two hypercoordinate atoms in a polyhedral cage. <i>Doklady Chemistry</i> , 2008 , 418, 10-14	0.8	3
24	Octacoordinate carbon atom in tetra(metalloamino)methanes CN ₄ M ₄ (M = Be, Mg, Ca): Quantum-chemical investigation. <i>Russian Journal of Organic Chemistry</i> , 2007 , 43, 685-690	0.7	3

23	Synthesis and properties of a new fused heterocyclic system 12H-benzo[5,6][1,2,4]triazepino[3,4-a]isoindol-5(6H)-one. <i>Russian Chemical Bulletin</i> , 2008 , 57, 186-192	1.7	3
22	Cooperative effects in polymolecular nitrogen clusters. <i>Russian Chemical Bulletin</i> , 2008 , 57, 2037-2044	1.7	3
21	Sandwich compounds of second-row elements: A quantum chemical study. <i>Russian Chemical Bulletin</i> , 2006 , 55, 1893-1903	1.7	3
20	Novel aromatic borafuorole, fluoraborabenzene and diborafuorabenzene heterocyclic systems: an ab initio study. <i>Mendeleev Communications</i> , 2002 , 12, 61-63	1.9	3
19	Annelation of drotaverine by p-quinones to form hydroxyindolo- and hydroxybenzindoloisoquinoline derivatives. <i>Russian Chemical Bulletin</i> , 2005 , 54, 774-783	1.7	3
18	A Voltammetric Study of the Chemosensor Activity of Aminoanthracene Derivatives. <i>Russian Journal of General Chemistry</i> , 2005 , 75, 1774-1781	0.7	3
17	Structure and Stability of Complexes of N,N'-Di(9-anthrylmethyl)-1,2-diaminoethane with Cations of Metals from IIB group: Quantum-chemical Study. <i>Russian Journal of Organic Chemistry</i> , 2005 , 41, 1175-1182	0.7	3
16	Binuclear sandwich and multi-decker sandwich compounds of alkali and alkaline-earth metals: a quantum chemical study. <i>Russian Chemical Bulletin</i> , 2015 , 64, 540-550	1.7	2
15	Hypercoordination of first-row elements in heteroanalogues of prismanes and propellanes. <i>Doklady Chemistry</i> , 2008 , 422, 255-259	0.8	2
14	Double carbon-halogen bond in the compounds H ₂ CX ⁺ , H ₂ CCX ⁺ , and H ₂ BCX (X = F, Cl). <i>Russian Journal of General Chemistry</i> , 2004 , 74, 1529-1533	0.7	2
13	Tetra- and hexaatomic cyclic clusters of main-group elements (XY) ₂ and (XY) ₃ : an ab initio and density functional study. <i>Russian Chemical Bulletin</i> , 2003 , 52, 519-525	1.7	2
12	Orbital Stabilization of the Superstrained D _{3d} Conformation of Benzene. <i>Doklady Chemistry</i> , 2003 , 393, 270-273	0.8	2
11	Parquet compounds on the basis of eight- and twelve-membered structure blocks: Quantum-chemical study. <i>Russian Journal of Organic Chemistry</i> , 2016 , 52, 268-282	0.7	2
10	Uncommon condensations of 1,2,3-triketone 2-oximes with o-phenylenediamine. <i>Mendeleev Communications</i> , 2019 , 29, 111-113	1.9	1
9	Tuning Philicity of Dichlorosilylene: Nucleophilic Behavior of the Dichlorosilylene-NHC Complex ClSi-IPr. <i>ACS Omega</i> , 2019 , 4, 2902-2906	3.9	1
8	Binuclear sandwich and multidecker sandwich systems: A quantum-chemical study. <i>Doklady Chemistry</i> , 2013 , 448, 39-43	0.8	1
7	Synthesis of phthalimidines linked to quinoline derivatives by an amide bridge. <i>Russian Chemical Bulletin</i> , 2010 , 59, 1023-1030	1.7	1
6	Octacoordination of the nitrogen atom in M ₄ NO +4 systems (M = Li, Na, K). <i>Russian Journal of Inorganic Chemistry</i> , 2008 , 53, 1605-1613	1.5	1

- 5 A general method for the synthesis of heterocyclic dithiocarboxylate betaines: Potential precursors of NHC based on a novel type of functionalization of the methyl group. *Tetrahedron Letters*, **2020**, 61, 152228 2 1
- 4 Metalcarbonyl analogues of annelated cyclooctatetraene and cyclodecapentaene derivatives with a planar core cycle: a quantum chemical study. *Physical Chemistry Chemical Physics*, **2018**, 20, 27830-27837^{3,6} 1
- 3 Reactions of 2-aminopyrrole derivatives with o-formylbenzoic acid. *Russian Chemical Bulletin*, **2015**, 64, 410-414 1.7
- 2 Ab initio study of the structure of, and double proton exchange in, 1,4-dihydroxy-2,3-diformylbuta-1,3-diene. *Mendeleev Communications*, **1998**, 8, 138-139 1.9
- 1 Double π - π and π -hydrogen bonding in formic acid complexes with pyrrole and imidazole: an ab initio and density functional theory study. *Mendeleev Communications*, **2003**, 13, 207-209 1.9