

Tatyana N Gribanova

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Poly[n]prismanes: A Family of Stable Cage Structures with Half-Planar Carbon Centers. <i>Journal of Organic Chemistry</i> , 2003, 68, 8588-8594.	1.7	64
2	Octacoordinated main-group element centres in a planar cyclic B8 environment: an ab initio study. <i>Mendeleev Communications</i> , 2001, 11, 213-214.	0.6	63
3	Planar and Pyramidal Tetracoordinate Carbon in Organoboron Compounds. <i>Journal of Organic Chemistry</i> , 2005, 70, 6693-6704.	1.7	56
4	Low-Temperature IR and NMR Studies of the Interaction of Group 8 Metal Dihydrides with Alcohols. <i>Chemistry - A European Journal</i> , 2003, 9, 2219-2228.	1.7	48
5	Heptacoordinated Carbon and Nitrogen in a Planar Boron Ring. <i>Doklady Chemistry</i> , 2002, 382, 41-45.	0.2	43
6	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 }] ₃ . <i>Journal of Molecular Structure</i> , 2007, 844-845, 115-131.	1.8	32
7	Planar Tetracoordinate Carbon in Organoboron Compounds: ab initio Computational Study. <i>Collection of Czechoslovak Chemical Communications</i> , 1999, 64, 1780-1789.	1.0	30
8	Planar hexacoordinated boron in organoboron compounds: an ab initio study. <i>Mendeleev Communications</i> , 2001, 11, 169-170.	0.6	29
9	Photochromic crown- ϵ -containing molecular switches of chemosensor activity. <i>Journal of Physical Organic Chemistry</i> , 2007, 20, 917-928.	0.9	28
10	A quantum-chemical study of carbon sandwich compounds. <i>Mendeleev Communications</i> , 2004, 14, 96-98.	0.6	26
11	Structure and stability of the heteroannulated [8-10]circulenes: A quantum-chemical study. <i>Pure and Applied Chemistry</i> , 2010, 82, 1011-1024.	0.9	20
12	Planar tetracoordinated nitrogen in boron-containing compounds: a theoretical quantum-chemical study. <i>Mendeleev Communications</i> , 2002, 12, 170-172.	0.6	18
13	Photochromic Cation Sensors. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 431, 417-422.	0.4	17
14	Carbon, nitrogen, and oxygen hypercoordination in half-sandwich and sandwich structures. <i>Russian Chemical Bulletin</i> , 2005, 54, 533-546.	0.4	16
15	A hydrocarbon dication with nonplanar hexacoordinated carbon. <i>Mendeleev Communications</i> , 2004, 14, 47-48.	0.6	15
16	Structural stability of [n]-prismanes and [n]-asteranes: A quantum-chemical study. <i>Doklady Chemistry</i> , 2006, 411, 193-196.	0.2	15
17	Sandwich Compounds of Transition Metals with Cyclopolyenes and Isolobal Boron Analogues. <i>Chemistry - A European Journal</i> , 2010, 16, 2272-2281.	1.7	15
18	Novel architectures of boron. <i>Structural Chemistry</i> , 2020, 31, 2105-2128.	1.0	15

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19	Theoretical design of planar systems with hypercoordinate p elements of the second period in a nonmetallic environment. Russian Journal of General Chemistry, 2008, 78, 750-768.	0.3	14
20	Stabilization of Planar Four-Coordinate Boron, Carbon, and Silicon Atoms in Borane Clusters: A Quantum-Chemical Study. Russian Journal of General Chemistry, 2005, 75, 1651-1658.	0.3	13
21	Structure and stability of closo-hexaboranes and their heteroanalogs. Russian Chemical Bulletin, 2004, 53, 1159-1167.	0.4	12
22	Sandwich compounds with central hypercoordinate carbon, nitrogen, and oxygen: A quantum-chemical study. Heteroatom Chemistry, 2006, 17, 464-474.	0.4	12
23	Hypercoordinate atoms of second-row elements in dodecahedrane endohedral complexes. Russian Chemical Bulletin, 2007, 56, 856-862.	0.4	12
24	Quantum-chemical study of heteroanalogues of [8]circulenes and their derivatives. Doklady Chemistry, 2009, 426, 105-110.	0.2	12
25	Hypercoordinated carbon in endohedral hydrocarbon cage complexes C@C ₂₀ H ₂₀ 4 ⁺ and C@C ₂₀ H ₂₀ Â ⁻ Li ₄ . Doklady Chemistry, 2006, 407, 47-50.	0.2	11
26	Octacoordinated Carbon in a Boron-Carbon Cage. Doklady Chemistry, 2005, 404, 193-198.	0.2	10
27	Hexacoordinated Carbon in an Organoboron Cage. Doklady Chemistry, 2004, 396, 122-126.	0.2	9
28	Extended organoboron structures containing several planar tetracoordinate carbon atoms. Doklady Chemistry, 2008, 419, 101-107.	0.2	9
29	Multi-decker tricarbonyl-bridged sandwich complexes of transition metals: structure, stability and electron-counting rules. Physical Chemistry Chemical Physics, 2012, 14, 14803.	1.3	9
30	Novel aromatic oxaborabenzene and 9-oxa-1,8-diboranaphthalene systems: an ab initio study. Mendeleev Communications, 2001, 11, 43-44.	0.6	8
31	Induced aromaticity. Russian Chemical Bulletin, 2001, 50, 2325-2335.	0.4	8
32	Stabilization of non-typical forms of boron clusters by beryllium doping. Chemical Physics, 2019, 522, 44-54.	0.9	8
33	Hypercoordinated oxygen and fluorine atoms in an organoboron cage. Doklady Chemistry, 2007, 412, 1-4.	0.2	7
34	Octacoordinate carbon atom in tetra(metalloamino)methanes CN ₄ M ₄ (M = Be, Mg, Ca): Quantum-chemical investigation. Russian Journal of Organic Chemistry, 2007, 43, 685-690.	0.3	7
35	Quantum-chemical investigation of structure and stability of [n]-prismanes and [n]-asteranes. Russian Journal of Organic Chemistry, 2007, 43, 1144-1150.	0.3	7
36	Anthranilic acid hydrazide in the synthesis of fused polycyclic compounds with quinazoline moieties. Russian Chemical Bulletin, 2008, 57, 2340-2348.	0.4	7

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37	Multidecker transition metal sandwich compounds. <i>Doklady Chemistry</i> , 2009, 429, 258-263.	0.2	7
38	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.	0.6	7
39	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.	0.9	7
40	Title is missing!. <i>Russian Chemical Bulletin</i> , 2001, 50, 2028-2045.	0.4	6
41	Nonclassical systems with two hypercoordinate atoms in a polyhedral cage. <i>Doklady Chemistry</i> , 2008, 418, 10-14.	0.2	6
42	Structural stability of supertetrahedral [n]-prismanes and their boron analogues: A quantum-chemical study. <i>Doklady Chemistry</i> , 2013, 453, 270-272.	0.2	6
43	̳-Complexes of transition metal tricarbonyls with cyclopolyenes and their boron analogs. <i>Russian Chemical Bulletin</i> , 2009, 58, 691-705.	0.4	5
44	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.	0.4	5
45	Sandwich and multidecker sandwich derivatives of first-row elements (Be, C, N). <i>Doklady Chemistry</i> , 2009, 424, 1-6.	0.2	5
46	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.	0.3	5
47	Hypercoordinated carbon in C-doped boron fullerenes: a quantum chemical study. <i>Structural Chemistry</i> , 2017, 28, 357-369.	1.0	5
48	Title is missing!. <i>Russian Chemical Bulletin</i> , 2001, 50, 195-202.	0.4	4
49	Annelation of drotaverine by p-quinones to form hydroxyindolo- and hydroxybenzindoloisoquinoline derivatives. <i>Russian Chemical Bulletin</i> , 2005, 54, 774-783.	0.4	4
50	Stabilization of octacoordinate carbon center in metal-containing derivatives of orthocarbonic acid. <i>Russian Chemical Bulletin</i> , 2005, 54, 1989-1998.	0.4	4
51	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.	0.3	4
52	Sandwich compounds of second-row elements: A quantum chemical study. <i>Russian Chemical Bulletin</i> , 2006, 55, 1893-1903.	0.4	4
53	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.	0.4	4
54	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.	1.0	4

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55	Stabilization of boron clusters with classical fullerene structures by combined doping effect: a quantum chemical study. <i>Structural Chemistry</i> , 2018, 29, 327-340.	1.0	4
56	Novel aromatic borafuorole, fluoraborabenzene and diborafuorabenzene heterocyclic systems: an ab initio study. <i>Mendeleev Communications</i> , 2002, 12, 61-63.	0.6	3
57	A Voltammetric Study of the Chemosensor Activity of Aminoanthracene Derivatives. <i>Russian Journal of General Chemistry</i> , 2005, 75, 1774-1781.	0.3	3
58	Cooperative effects in polymolecular nitrogen clusters. <i>Russian Chemical Bulletin</i> , 2008, 57, 2037-2044.	0.4	3
59	Hypercoordination of first-row elements in heteroanalogues of prismanes and propellanes. <i>Doklady Chemistry</i> , 2008, 422, 255-259.	0.2	3
60	Structure and stability of bipyramidal complexes of cyclopolyenes with transition metal carbonyls. <i>Doklady Chemistry</i> , 2011, 436, 22-26.	0.2	3
61	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.	0.4	3
62	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.	0.3	3
63	Tuning Philicity of Dichlorosilylene: Nucleophilic Behavior of the Dichlorosilylene ϵ "NHC Complex $Cl_2Si\epsilon$ "IPr. <i>ACS Omega</i> , 2019, 4, 2902-2906.	1.6	3
64	Title is missing!. <i>Russian Chemical Bulletin</i> , 2003, 52, 519-525.	0.4	2
65	Orbital Stabilization of the Superstrained D _{3d} Conformation of Benzene. <i>Doklady Chemistry</i> , 2003, 393, 270-273.	0.2	2
66	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.	0.3	2
67	Binuclear sandwich and multidecker sandwich systems: A quantum-chemical study. <i>Doklady Chemistry</i> , 2013, 448, 39-43.	0.2	2
68	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.	0.3	1
69	Synthesis of phthalimidines linked to quinoline derivatives by an amide bridge. <i>Russian Chemical Bulletin</i> , 2010, 59, 1023-1030.	0.4	1
70	Reactions of 2-aminopyrrole derivatives with o-formylbenzoic acid. <i>Russian Chemical Bulletin</i> , 2015, 64, 410-414.	0.4	1
71	Metalcarbonyl analogues of annelated cyclooctatetraene and cyclodecapentaene derivatives with a planar core cycle: a quantum chemical study. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27830-27837.	1.3	1
72	Uncommon condensations of 1,2,3-triketone 2-oximes with o-phenylenediamine. <i>Mendeleev Communications</i> , 2019, 29, 111-113.	0.6	1

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73	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. <i>Tetrahedron Letters</i> , 2020, 61, 152228.	0.7	1
74	Ab initio study of the structure of, and double proton exchange in, 1,4-dihydroxy-2,3-diformylbuta-1,3-diene. <i>Mendeleev Communications</i> , 1998, 8, 138-139.	0.6	0
75	Double π - and σ -hydrogen bonding in formic acid complexes with pyrrole and imidazole: an ab initio and density functional theory study. <i>Mendeleev Communications</i> , 2003, 13, 207-209.	0.6	0
76	Poly[n]prismanes: A Family of Stable Cage Structures with Half-Planar Carbon Centers.. <i>ChemInform</i> , 2004, 35, no.	0.1	0