Olga I Shchegolikhina

List of Publications by Year
in descending order

79 papers	1,436 citations	331259 21 h-index	395343 33 g-index
80 all docs	80 docs citations	80 times ranked	612 citing authors

#	Article	IF	Citations
1	A new highly efficient method for the preparation of phenyl-containing siloxanes by condensation of phenylsilanols in liquid ammonia. Chemical Engineering Science, 2022, 247, 116916.	1.9	9
2	Star-Shaped Polydimethylsiloxanes with Organocyclotetrasilsesquioxane Branching-Out Centers: Synthesis and Properties. Polymers, 2022, 14, 285.	2.0	7
3	Modulation of the photophysical properties of multi-BODIPY-siloxane conjugates by varying the number of fluorophores. Dyes and Pigments, 2022, 203, 110371.	2.0	13
4	Cross-Linked Luminescent Polymers Based on Î²-Diketone-Modified Polysiloxanes and Organoeuropiumsiloxanes. Polymers, 2022, 14, 2554.	2.0	6
5	Polyhedral phenylnickelsodiumsiloxanolate transformation in the presence of aromatic nitrogen-containing ligands. Inorganica Chimica Acta, 2021, 517, 120160.	1.2	11
6	Stereoregular hybrid azobenzene-cyclosiloxanes with photoinduced reversible solid to liquid transition properties. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 407, 113033.	2.0	10
7	Synthesis of functional derivatives of stereoregular organocyclosilsesquioxanes by thiol-ene addition. Journal of Organometallic Chemistry, 2021, 954-955, 122072.	0.8	2
8	A Versatile Equilibrium Method for the Synthesis of High-Strength, Ladder-like Polyphenylsilsesquioxanes with Finely Tunable Molecular Parameters. Polymers, 2021, 13, 4452.	2.0	9
9	Synthesis of new carboranyl organosilicon derivatives â€“ precursors for the preparation of hybrid organo-inorganic materials. Journal of Organometallic Chemistry, 2020, 928, 121547.	0.8	4
10	Organoboron Derivatives of Stereoregular Phenylcyclosilsesquioxanes. Chemistry - A European Journal, 2020, 26, 11404-11407.	1.7	7
11	Condensation of all-cis-tetraphenylcyclotetrasiloxanetetraol in ammonia: new method for preparation of ladder-like polyphenylsilsesquioxanes. Mendeleev Communications, 2019, 29, 421-423.	0.6	17
12	Starâ€shaped siloxane polymers with various cyclic cores: Synthesis and properties. Journal of Polymer Science Part A, 2019, 57, 1233-1246.	2.5	24
13	New all-cis-tetra(p-tolyl)cyclotetrasiloxanetetraol and its functionalization. Mendeleev Communications, 2018, 28, 418-420.	0.6	18
14	Replacement of Ligands in a Molecule of Polyhedral Phenylmetallosiloxane Containing Nickel and Sodium Ions. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2018, 44, 653-659.	0.3	1
15	New star-like polydimethylsiloxanes: synthesis, properties, and application. Russian Chemical Bulletin, 2017, 66, 1094-1098.	0.4	17
16	Synthesis and structures of novel tetra- and pentanuclear copper sandwich-like metallasiloxanes with pyridine ligands. Mendeleev Communications, 2017, 27, 332-334.	0.6	19
17	Sodium cis-tetratolylcyclotetrasiloxanolate and cis-tritolylcyclotrisiloxanolate: Synthesis, structure and their mutual transformations. Journal of Organometallic Chemistry, 2016, 823, 103-111.	0.8	13
18	Polyfunctional carboranyl substituted octasilsesquioxane: Synthesis and characterization. Journal of Organometallic Chemistry, 2016, 822, 1-4.	0.8	12

#	Article	IF	Citations
19	Polydimethylsiloxanes with bulk end groups: synthesis and properties. Mendeleev Communications, 2016, 26, 524-526.	0.6	15
20	Synthesis of macrocyclic tris-cis-tris-trans-dodeca[(phenyl)(hydroxy)]cyclododecasiloxane in carbonic acid solution. Green Chemistry Letters and Reviews, 2016, 9, 69-75.	2.1	3
21	Synthesis and photophysical properties of a new BODIPY-based siloxane dye. Tetrahedron Letters, 2016, 57, 979-982.	0.7	41
22	Synthesis and structure of new polyhedral Ni, Na- and Cu, Na-metallasiloxanes with tolyl substituent at the silicon atom. RSC Advances, 2016, 6, 22052-22060.	1.7	18
23	Study of Thermotropic Transformation of Tris-cis-tris-trans-dodeca-phenylcyclododecasiloxanedodecaol â€“ Precursor for the Preparation of Phenylsilsesquioxane Polymers of Unusual Architecture. Macroheterocycles, 2016, 9, 11-16.	0.9	3
24	Convenient Synthesis of New Si-H and Si-Vinyl Functionalized Stereospecific 8-, 12- and 24-Membered Cyclosiloxanes. Macroheterocycles, 2016, 9, 442-452.	0.9	28
25	Heteroligand nickel siloxane with 4-vinylbenzyl substituents. Mendeleev Communications, 2015, 25, 226-228.	0.6	19
26	Synthesis of siloxane analogs of calixarenes. Russian Chemical Bulletin, 2015, 64, 1394-1399.	0.4	10
27	Synthesis of Macrocyclic Siloxane Polyol in Carbonic Acid. Macroheterocycles, 2015, 8, 193-198.	0.9	5
28	Synthesis of new monofunctional organosilicon molecules â€“ Prospective efficient stoppers for the design of new siloxane polymersÂof unusual architecture. Journal of Organometallic Chemistry, 2014, 772-773, 79-83.	0.8	2
29	Alkali metal organocyclotrisiloxanolates [RSi(O)OM]3 with vinyl and alkyl substituents at the silicon center. Journal of Organometallic Chemistry, 2013, 729, 86-94.	0.8	7
30	Tris-cis-tris-trans-dodeca[organo(dimethylorganosiloxy)]cyclododecasiloxanes {RSi(O)[OSiMe₂Râ€²]}₁₂. Self-Ordering Features. Inorganic Chemistry, 2011, 50, 10033-10040.	1.9	10
31	Cyclotetrasiloxanetetrols with Methyl Groups at Silicon: Isomers all-cis- and cis-trans-cis-[MeSi(O)OH]₄. Inorganic Chemistry, 2010, 49, 572-577.	1.9	31
32	Solâ˜Gel Immobilization of Lactate Oxidase from Organic Solvent: Toward the Advanced Lactate Biosensor. Analytical Chemistry, 2010, 82, 1601-1604.	3.2	72
33	Copper/sodium-directed hydrolytic condensation of methyltriethoxysilane: Self-assembly of polyhedral Cu/Na-methylsiloxane. Synthesis and properties of new stereoregular macrocyclosiloxane. Journal of Organometallic Chemistry, 2008, 693, 1797-1807.	0.8	19
34	Nanodisperse systems as transient state upon the formation of crystalline organometalsiloxanes. Colloid Journal, 2008, 70, 407-415.	0.5	4
35	Synthesis, Structure and Magnetic Properties of a Novel Hexanuclear Copper Methylsiloxane Complex. European Journal of Inorganic Chemistry, 2007, 2007, 4827-4838.	1.0	16
36	Structural and magnetic investigations on new molecular quantum rings. Comptes Rendus Chimie, 2007, 10, 89-95.	0.2	16

#	Article	IF	Citations
37	Synthesis, structure, and properties of sodium cis-tetraethylcyclotetrasiloxanolate and new mesomorphic cis-tetra[ethyl(trimethylsiloxy)]cyclotetrasiloxane. Russian Chemical Bulletin, 2007, 56, 77-82.	0.4	12
38	cis-Tetra[(organo)(trimethylsiloxy)]cyclotetrasiloxanes: Synthesis and mesomorphic properties. Russian Chemical Bulletin, 2007, 56, 83-90.	0.4	28
39	Synthesis and mesomorphic properties of cis-penta[(phenyl)(trimethylsiloxy)]cyclopentasiloxane. Russian Chemical Bulletin, 2007, 56, 1402-1407.	0.4	10
40	Mass spectrometric study of organocyclosiloxanes. Russian Chemical Bulletin, 2007, 56, 1809-1812.	0.4	0
41	New Cyclosiloxanolate Cluster Complexes of Transition Metals. Journal of Cluster Science, 2007, 18, 217-236.	1.7	5
42	Synthesis, Structure and Magnetic Properties of a Novel Linear CuII-Trimer Complex. European Journal of Inorganic Chemistry, 2005, 2005, 4617-4625.	1.0	26
43	Effect of the method used for crystal structure formation on the rheological behavior of organocyclotetrasiloxane in the plastically crystalline state. Russian Chemical Bulletin, 2004, 53, 325-329.	0.4	1
44	Alkali-Metal-Directed Hydrolytic Condensation of Trifunctional Phenylalkoxysilanes. European Journal of Inorganic Chemistry, 2004, 2004, 1253-1261.	1.0	49
45	New mesomorphic organocyclosiloxanes II. Thermal behaviour and mesophase structure of organocyclohexasiloxanes. Liquid Crystals, 2004, 31, 401-420.	0.9	13
46	A New Method for the Preparation of Single Crystals from the Plastic Mesophase Employed for Octaphenylcyclotetrasiloxane. Doklady Physical Chemistry, 2003, 393, 303-305.	0.2	1
47	Hydrolytic condensation of trialkoxysilanes in the presence of alkali metal and copper(ii) ions. Influence of the reaction conditions on the structure of Cu/M organosiloxanes. Russian Chemical Bulletin, 2003, 52, 2722-2731.	0.4	23
48	Phenylsilanetriolâ€"synthesis, stability, and reactivity. Journal of Organometallic Chemistry, 2003, 686, 313-320.	0.8	29
49	Rational design of large-spin clusters based on the hexacopper(II) siloxanolate core. Comptes Rendus Chimie, 2003, 6, 645-656.	0.2	14
50	Synthesis and Properties of Stereoregular Cyclic Polysilanols:Âcis-[PhSi(O)OH]4,cis-[PhSi(O)OH]6, and Tris-cis-tris-trans-[PhSi(O)OH]12. Inorganic Chemistry, 2002, 41, 6892-6904.	1.9	72
51	Towards Stepwise Cluster Assembly: A Decacopper(II) Complex Obtained by Controlled Expansion of a Metallasiloxane Cage. Angewandte Chemie - International Edition, 2002, 41, 4517-4520.	7.2	25
52	New mesomorphic organocyclosiloxanes I. Thermal behaviour and mesophase structure of organocyclotetrasiloxanes. Liquid Crystals, 2001, 28, 869-879.	0.9	26
53	Synthesis and Structure of Sodium Phenylsiloxanolate. Organometallics, 2000, 19, 1077-1082.	1.1	55
54	Chemoselectivity in Cyclosiloxanolate Cluster Formation: An Alkali Cation Effect?. European Journal of Inorganic Chemistry, 2000, 2000, 1327-1331.	1.0	10

#	Article	IF	Citations
55	Heterobimetallic Cyclosiloxanolate Sandwich Clusters: Na[Î·6-cyclo(PhSiO2)6]2[Fe(OR)]2Ni4(Î¼6-Cl) (R =) Tj ETQq1 1 0.784314 rgBT	1.7	14
56	The photochemical interaction of polyphenylferrisiloxane with oligoorganosilanes. Russian Chemical Bulletin, 1998, 47, 478-481.	0.4	0
57	Synthesis and characterization of large stereoregular organosiloxane cycles. Journal of Organometallic Chemistry, 1998, 562, 141-151.	0.8	43
58	A new approach to the synthesis of cage-like metallasiloxanes. Journal of Organometallic Chemistry, 1998, 571, 31-36.	0.8	42
59	Hexakis(dimethylformamide)bis(hexaphenylcyclohexasiloxanehexaolato)hexacopper(II) Dimethylformamide Solvate. Acta Crystallographica Section C: Crystal Structure Communications, 1997, 53, 305-309.	0.4	14
60	Molecule-Based Magnets:Â Ferro- and Antiferromagnetic Interactions in Copper(II)â^'Polyorganosiloxanolate Clusters. Inorganic Chemistry, 1996, 35, 4427-4431.	1.9	86
61	Cyclooligosiloxanolate cluster complexes of transition metals and lanthanides. Journal of Molecular Catalysis A, 1996, 107, 313-321.	4.8	27
62	Cyclosiloxane sandwich complexes of a lanthanide metal: Na6{[(C6H5SiO2)8]2Nd4(Î¼4-O)}. Journal of Organometallic Chemistry, 1996, 514, 29-35.	0.8	25
63	Poly(Phenylmetallosiloxane)S: Synthesis, Structure and Properties. , 1996, , 229-239.		0
64	EXAFS study of the polynuclear metallorganosiloxanolates. Physica B: Condensed Matter, 1995, 208-209, 655-656.	1.3	2
65	Bimetallic siloxane cluster of higher valent transition metals: Na{[Î·6-cyclo-(PhSiO2)6]2Co2Ni4(Î¼6-Cl)}. Journal of Organometallic Chemistry, 1995, 485, 257-266.	0.8	20
66	The peculiarities of physical network formation in carboxylâ€containing poly(dimethylcarbosiloxane). Macromolecular Symposia, 1995, 93, 135-142.	0.4	8
67	Molecule-Based Magnets: Ferro- and Antiferromagnetic Interactions in Nickel(II) Cyclohexasiloxanolate Sandwich Complexes. Inorganic Chemistry, 1995, 34, 5383-5387.	1.9	49
68	Siloxane clusters of higher valence transition metals: Redox properties. Journal of Organometallic Chemistry, 1994, 467, 165-167.	0.8	14
69	Polyhedral silsesquioxanes as precursors of tailor-made heterogeneous catalyst centres. Journal of Organometallic Chemistry, 1994, 475, 65-72.	0.8	19
70	Application of size exclusion chromatography to the structural study of polyorganometallosiloxanes. Russian Chemical Bulletin, 1994, 43, 993-998.	0.4	5
71	Peculiarities of the synthesis of cage-like metallosiloxanes. Russian Chemical Bulletin, 1993, 42, 917-922.	0.4	5
72	Crystal structure of the La3+ sandwich complex based on 8-membered macrocyclic siloxanolate ligands. Russian Chemical Bulletin, 1993, 42, 168-173.	0.4	18

#	Article	IF	Citations
73	Crystal structure of the Nd, Gd, and Dy sandwich complexes involving 8-membered macrocyclic phenylsiloxanolate ligands. Russian Chemical Bulletin, 1993, 42, 176-181.	0.4	16
74	The structure of a potassium-copper complex with six-membered macrocyclic ethylsiloxanolate ligands. Russian Chemical Bulletin, 1993, 42, 718-722.	0.4	9
75	Novel class of transition metal coordination compounds with macrocyclic organosiloxanolate ligands; their synthesis and crystal structure. Journal of Organometallic Chemistry, 1992, 423, 351-360.	0.8	95
76	Heteroorganic metal-containing paramagnetic and ferromagnetic polymers. 2. Investigation of thermal condensation of polymetalloorganosiloxanes. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1991, 40, 520-525.	0.0	2
77	Heteroorganic metal-containing paramagnetic and ferromagnetic polymers. 3. Magnetic properties of the products of thermal condensation of polymetallic organosiloxanes. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1991, 40, 680-683.	0.0	2
78	Organoelemental metal-containing paramagnetic and ferromagnetic polymers 1. Polyferro- and polycobaltsiloxanes, structure and magnetic properties. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1990, 39, 2271-2276.	0.0	2
79	The crystal structure of siloxanes and silazanes. Journal of Structural Chemistry, 1981, 22, 54-58.	0.3	2