

Olga I Shchegolikhina

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9440675/publications.pdf>

Version: 2024-02-01

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	Novel class of transition metal coordination compounds with macrocyclic organosiloxanolate ligands; their synthesis and crystal structure. <i>Journal of Organometallic Chemistry</i> , 1992, 423, 351-360.	0.8	95
2	Molecule-Based Magnets: Ferro- and Antiferromagnetic Interactions in Copper(II)-Polyorganosiloxanolate Clusters. <i>Inorganic Chemistry</i> , 1996, 35, 4427-4431.	1.9	86
3	Synthesis and Properties of Stereoregular Cyclic Polysilanol: cis-[PhSi(O)OH] ₄ , cis-[PhSi(O)OH] ₆ , and Tris-cis-tris-trans-[PhSi(O)OH] ₁₂ . <i>Inorganic Chemistry</i> , 2002, 41, 6892-6904.	1.9	72
4	Sol-gel Immobilization of Lactate Oxidase from Organic Solvent: Toward the Advanced Lactate Biosensor. <i>Analytical Chemistry</i> , 2010, 82, 1601-1604.	3.2	72
5	Synthesis and Structure of Sodium Phenylsiloxanolate. <i>Organometallics</i> , 2000, 19, 1077-1082.	1.1	55
6	Molecule-Based Magnets: Ferro- and Antiferromagnetic Interactions in Nickel(II) Cyclohexasiloxanolate Sandwich Complexes. <i>Inorganic Chemistry</i> , 1995, 34, 5383-5387.	1.9	49
7	Alkali-Metal-Directed Hydrolytic Condensation of Trifunctional Phenylalkoxysilanes. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 1253-1261.	1.0	49
8	Synthesis and characterization of large stereoregular organosiloxane cycles. <i>Journal of Organometallic Chemistry</i> , 1998, 562, 141-151.	0.8	43
9	A new approach to the synthesis of cage-like metallasiloxanes. <i>Journal of Organometallic Chemistry</i> , 1998, 571, 31-36.	0.8	42
10	Synthesis and photophysical properties of a new BODIPY-based siloxane dye. <i>Tetrahedron Letters</i> , 2016, 57, 979-982.	0.7	41
11	Cyclotetrasiloxanetetrols with Methyl Groups at Silicon: Isomers <i>cis</i> - and <i>cis-trans-cis</i> -[MeSi(O)OH] ₄ . <i>Inorganic Chemistry</i> , 2010, 49, 572-577.	1.9	31
12	Phenylsilanetriol synthesis, stability, and reactivity. <i>Journal of Organometallic Chemistry</i> , 2003, 686, 313-320.	0.8	29
13	<i>cis</i> -Tetra[(organo)(trimethylsiloxy)]cyclotetrasiloxanes: Synthesis and mesomorphic properties. <i>Russian Chemical Bulletin</i> , 2007, 56, 83-90.	0.4	28
14	Convenient Synthesis of New Si-H and Si-Vinyl Functionalized Stereospecific 8-, 12- and 24-Membered Cyclosiloxanes. <i>Macroheterocycles</i> , 2016, 9, 442-452.	0.9	28
15	Cyclooligosiloxanolate cluster complexes of transition metals and lanthanides. <i>Journal of Molecular Catalysis A</i> , 1996, 107, 313-321.	4.8	27
16	New mesomorphic organocyclosiloxanes I. Thermal behaviour and mesophase structure of organocyclotetrasiloxanes. <i>Liquid Crystals</i> , 2001, 28, 869-879.	0.9	26
17	Synthesis, Structure and Magnetic Properties of a Novel Linear CuII-Trimer Complex. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 4617-4625.	1.0	26
18	Cyclosiloxane sandwich complexes of a lanthanide metal: Na ₆ {[(C ₆ H ₅ SiO ₂) ₈] ₂ Nd ₄ (μ ₄ -O)}. <i>Journal of Organometallic Chemistry</i> , 1996, 514, 29-35.	0.8	25

#	ARTICLE	IF	CITATIONS
19	Towards Stepwise Cluster Assembly: A Decacopper(II) Complex Obtained by Controlled Expansion of a Metallasiloxane Cage. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 4517-4520.	7.2	25
20	Star-shaped siloxane polymers with various cyclic cores: Synthesis and properties. <i>Journal of Polymer Science Part A</i> , 2019, 57, 1233-1246.	2.5	24
21	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. <i>Russian Chemical Bulletin</i> , 2003, 52, 2722-2731.	0.4	23
22	Bimetallic siloxane cluster of higher valent transition metals: Na{[$\text{1-6-cyclo-(PhSiO}_2\text{)}_6\text{]}_2\text{Co}_2\text{Ni}_4(\text{1/4-Cl})$ }. <i>Journal of Organometallic Chemistry</i> , 1995, 485, 257-266.	0.8	20
23	Polyhedral silsesquioxanes as precursors of tailor-made heterogeneous catalyst centres. <i>Journal of Organometallic Chemistry</i> , 1994, 475, 65-72.	0.8	19
24	Copper/sodium-directed hydrolytic condensation of methyltriethoxysilane: Self-assembly of polyhedral Cu/Na-methylsiloxane. Synthesis and properties of new stereoregular macrocyclosiloxane. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 1797-1807.	0.8	19
25	Heteroligand nickel siloxane with 4-vinylbenzyl substituents. <i>Mendeleev Communications</i> , 2015, 25, 226-228.	0.6	19
26	Synthesis and structures of novel tetra- and pentanuclear copper sandwich-like metallasiloxanes with pyridine ligands. <i>Mendeleev Communications</i> , 2017, 27, 332-334.	0.6	19
27	Crystal structure of the La ³⁺ sandwich complex based on 8-membered macrocyclic siloxanolate ligands. <i>Russian Chemical Bulletin</i> , 1993, 42, 168-173.	0.4	18
28	Synthesis and structure of new polyhedral Ni, Na- and Cu, Na-metallasiloxanes with tolyl substituent at the silicon atom. <i>RSC Advances</i> , 2016, 6, 22052-22060.	1.7	18
29	New all-cis-tetra(p-tolyl)cyclotetrasiloxanetetraol and its functionalization. <i>Mendeleev Communications</i> , 2018, 28, 418-420.	0.6	18
30	New star-like polydimethylsiloxanes: synthesis, properties, and application. <i>Russian Chemical Bulletin</i> , 2017, 66, 1094-1098.	0.4	17
31	Condensation of all-cis-tetraphenylcyclotetrasiloxanetetraol in ammonia: new method for preparation of ladder-like polyphenylsilsesquioxanes. <i>Mendeleev Communications</i> , 2019, 29, 421-423.	0.6	17
32	Crystal structure of the Nd, Gd, and Dy sandwich complexes involving 8-membered macrocyclic phenylsiloxanolate ligands. <i>Russian Chemical Bulletin</i> , 1993, 42, 176-181.	0.4	16
33	Synthesis, Structure and Magnetic Properties of a Novel Hexanuclear Copper Methylsiloxane Complex. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 4827-4838.	1.0	16
34	Structural and magnetic investigations on new molecular quantum rings. <i>Comptes Rendus Chimie</i> , 2007, 10, 89-95.	0.2	16
35	Polydimethylsiloxanes with bulk end groups: synthesis and properties. <i>Mendeleev Communications</i> , 2016, 26, 524-526.	0.6	15
36	Siloxane clusters of higher valence transition metals: Redox properties. <i>Journal of Organometallic Chemistry</i> , 1994, 467, 165-167.	0.8	14

#	ARTICLE	IF	CITATIONS
37	Hexakis(dimethylformamide)bis(hexaphenylcyclohexasiloxanehexaolato)hexacopper(II) Dimethylformamide Solvate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1997, 53, 305-309.	0.4	14
38	Heterobimetallic Cyclosiloxanolate Sandwich Clusters: Na ₂ [6-cyclo(PhSiO ₂) ₆] ₂ [Fe(OR)] ₂ Ni ₄ (1/46-Cl) (R =) Tj ETQq0,0 0 rgBT /Overlock	1.7	14
39	Rational design of large-spin clusters based on the hexacopper(II) siloxanolate core. <i>Comptes Rendus Chimie</i> , 2003, 6, 645-656.	0.2	14
40	New mesomorphic organocyclosiloxanes II. Thermal behaviour and mesophase structure of organocyclohexasiloxanes. <i>Liquid Crystals</i> , 2004, 31, 401-420.	0.9	13
41	Sodium cis-tetratolylcyclotetrasiloxanolate and cis-tritolylcyclotrisiloxanolate: Synthesis, structure and their mutual transformations. <i>Journal of Organometallic Chemistry</i> , 2016, 823, 103-111.	0.8	13
42	Modulation of the photophysical properties of multi-BODIPY-siloxane conjugates by varying the number of fluorophores. <i>Dyes and Pigments</i> , 2022, 203, 110371.	2.0	13
43	Synthesis, structure, and properties of sodium cis-tetraethylcyclotetrasiloxanolate and new mesomorphic cis-tetra[ethyl(trimethylsiloxy)]cyclotetrasiloxane. <i>Russian Chemical Bulletin</i> , 2007, 56, 77-82.	0.4	12
44	Polyfunctional carboranyl substituted octasilsesquioxane: Synthesis and characterization. <i>Journal of Organometallic Chemistry</i> , 2016, 822, 1-4.	0.8	12
45	Polyhedral phenylnickelsodiumsiloxanolate transformation in the presence of aromatic nitrogen-containing ligands. <i>Inorganica Chimica Acta</i> , 2021, 517, 120160.	1.2	11
46	Synthesis and mesomorphic properties of cis-penta[(phenyl)(trimethylsiloxy)]cyclopentasiloxane. <i>Russian Chemical Bulletin</i> , 2007, 56, 1402-1407.	0.4	10
47	Tris- <i>cis</i> - <i>trans</i> -dodeca[organo(dimethylorganosiloxy)]cyclododecasiloxanes {RSi(O)[OSiMe ₂] ₂] ₁₂ . Self-Ordering Features. <i>Inorganic Chemistry</i> , 2011, 50, 10033-10040.	1.9	10
48	Synthesis of siloxane analogs of calixarenes. <i>Russian Chemical Bulletin</i> , 2015, 64, 1394-1399.	0.4	10
49	Stereoregular hybrid azobenzene-cyclosiloxanes with photoinduced reversible solid to liquid transition properties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 407, 113033.	2.0	10
50	Chemoselectivity in Cyclosiloxanolate Cluster Formation: An Alkali Cation Effect?. <i>European Journal of Inorganic Chemistry</i> , 2000, 2000, 1327-1331.	1.0	10
51	The structure of a potassium-copper complex with six-membered macrocyclic ethylsiloxanolate ligands. <i>Russian Chemical Bulletin</i> , 1993, 42, 718-722.	0.4	9
52	A new highly efficient method for the preparation of phenyl-containing siloxanes by condensation of phenylsilanols in liquid ammonia. <i>Chemical Engineering Science</i> , 2022, 247, 116916.	1.9	9
53	A Versatile Equilibrium Method for the Synthesis of High-Strength, Ladder-like Polyphenylsilsesquioxanes with Finely Tunable Molecular Parameters. <i>Polymers</i> , 2021, 13, 4452.	2.0	9
54	The peculiarities of physical network formation in carboxylate-containing poly(dimethylcarbosiloxane). <i>Macromolecular Symposia</i> , 1995, 93, 135-142.	0.4	8

#	ARTICLE	IF	CITATIONS
55	Alkali metal organocyclotrisiloxanates [RSi(O)OM] ₃ with vinyl and alkyl substituents at the silicon center. <i>Journal of Organometallic Chemistry</i> , 2013, 729, 86-94.	0.8	7
56	Organoboron Derivatives of Stereoregular Phenylcyclosilsesquioxanes. <i>Chemistry - A European Journal</i> , 2020, 26, 11404-11407.	1.7	7
57	Star-Shaped Polydimethylsiloxanes with Organocyclo-tetrasilsesquioxane Branching-Out Centers: Synthesis and Properties. <i>Polymers</i> , 2022, 14, 285.	2.0	7
58	Cross-Linked Luminescent Polymers Based on \hat{I}^2 -Diketone-Modified Polysiloxanes and Organoeuropiumsiloxanes. <i>Polymers</i> , 2022, 14, 2554.	2.0	6
59	Peculiarities of the synthesis of cage-like metallosiloxanes. <i>Russian Chemical Bulletin</i> , 1993, 42, 917-922.	0.4	5
60	Application of size exclusion chromatography to the structural study of polyorganometallosiloxanes. <i>Russian Chemical Bulletin</i> , 1994, 43, 993-998.	0.4	5
61	New Cyclosiloxanolate Cluster Complexes of Transition Metals. <i>Journal of Cluster Science</i> , 2007, 18, 217-236.	1.7	5
62	Synthesis of Macrocyclic Siloxane Polyol in Carbonic Acid. <i>Macroheterocycles</i> , 2015, 8, 193-198.	0.9	5
63	Nanodisperse systems as transient state upon the formation of crystalline organometalsiloxanes. <i>Colloid Journal</i> , 2008, 70, 407-415.	0.5	4
64	Synthesis of new carboranyl organosilicon derivatives "precursors for the preparation of hybrid organo-inorganic materials. <i>Journal of Organometallic Chemistry</i> , 2020, 928, 121547.	0.8	4
65	Synthesis of macrocyclic tris- <i>cis</i> -tricyclo-dodeca[(phenyl)(hydroxy)]cyclododecasiloxane in carbonic acid solution. <i>Green Chemistry Letters and Reviews</i> , 2016, 9, 69-75.	2.1	3
66	Study of Thermotropic Transformation of Tris- <i>cis</i> -tricyclo-dodeca-phenylcyclododecasiloxanedodecaol "Precursor for the Preparation of Phenylsilsesquioxane Polymers of Unusual Architecture. <i>Macroheterocycles</i> , 2016, 9, 11-16.	0.9	3
67	The crystal structure of siloxanes and silazanes. <i>Journal of Structural Chemistry</i> , 1981, 22, 54-58.	0.3	2
68	Organoelemental metal-containing paramagnetic and ferromagnetic polymers 1. Polyferro- and polycobaltsiloxanes, structure and magnetic properties. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1990, 39, 2271-2276.	0.0	2
69	Heteroorganic metal-containing paramagnetic and ferromagnetic polymers. 2. Investigation of thermal condensation of polymetalloorganosiloxanes. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1991, 40, 520-525.	0.0	2
70	Heteroorganic metal-containing paramagnetic and ferromagnetic polymers. 3. Magnetic properties of the products of thermal condensation of polymetallic organosiloxanes. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1991, 40, 680-683.	0.0	2
71	EXAFS study of the polynuclear metallorganosiloxanates. <i>Physica B: Condensed Matter</i> , 1995, 208-209, 655-656.	1.3	2
72	Synthesis of new monofunctional organosilicon molecules "Prospective efficient stoppers for the design of new siloxane polymers of unusual architecture. <i>Journal of Organometallic Chemistry</i> , 2014, 772-773, 79-83.	0.8	2

#	ARTICLE	IF	CITATIONS
73	Synthesis of functional derivatives of stereoregular organocyclosilsesquioxanes by thiol-ene addition. <i>Journal of Organometallic Chemistry</i> , 2021, 954-955, 122072.	0.8	2
74	A New Method for the Preparation of Single Crystals from the Plastic Mesophase Employed for Octaphenylcyclotetrasiloxane. <i>Doklady Physical Chemistry</i> , 2003, 393, 303-305.	0.2	1
75	Effect of the method used for crystal structure formation on the rheological behavior of organocyclotetrasiloxane in the plastically crystalline state. <i>Russian Chemical Bulletin</i> , 2004, 53, 325-329.	0.4	1
76	Replacement of Ligands in a Molecule of Polyhedral Phenylmetallosiloxane Containing Nickel and Sodium Ions. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2018, 44, 653-659.	0.3	1
77	The photochemical interaction of polyphenylferrisiloxane with oligoorganosilanes. <i>Russian Chemical Bulletin</i> , 1998, 47, 478-481.	0.4	0
78	Mass spectrometric study of organocyclosiloxanes. <i>Russian Chemical Bulletin</i> , 2007, 56, 1809-1812.	0.4	0
79	Poly(Phenylmetallosiloxane)S: Synthesis, Structure and Properties. , 1996, , 229-239.		0