Gulaim A Seisenbaeva

List of Publications by Year
in descending order

168	5,086	94269	118652
papers	citations	37 h-index	62 g-index

177	177	177	6597
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Drought-Tolerance of Wheat Improved by Rhizosphere Bacteria from Harsh Environments: Enhanced Biomass Production and Reduced Emissions of Stress Volatiles. PLoS ONE, 2014, 9, e96086.	1.1	506
2	New insight in the role of modifying ligands in the sol-gel processing of metal alkoxide precursors: A possibility to approach new classes of materials. Journal of Sol-Gel Science and Technology, 2006, 40, 163-179.	1.1	174
3	Ordered Network of Interconnected SnO₂ Nanoparticles for Excellent Lithiumâ€ion Storage. Advanced Energy Materials, 2015, 5, 1401289.	10.2	147
4	Comparative Assessment of Wet Torrefaction. Energy & Fuels, 2013, 27, 6743-6753.	2.5	136
5	Maghemite Nanoparticles Acts as Nanozymes, Improving Growth and Abiotic Stress Tolerance in Brassica napus. Nanoscale Research Letters, 2017, 12, 631.	3.1	128
6	Titania (TiO2) nanoparticles enhance the performance of growth-promoting rhizobacteria. Scientific Reports, 2018, 8, 617.	1.6	120
7	The first depleted heterojunction TiO₂â€“MOF-based solar cell. Chemical Communications, 2014, 50, 10210-10213.	2.2	112
8	Stump torrefaction for bioenergy application. Applied Energy, 2013, 112, 539-546.	5.1	94
9	Cellulose nanofiberâ€“titania nanocomposites as potential drug delivery systems for dermal applications. Journal of Materials Chemistry B, 2015, 3, 1688-1698.	2.9	94
10	Nano titania aided clustering and adhesion of beneficial bacteria to plant roots to enhance crop growth and stress management. Scientific Reports, 2015, 5, 10146.	1.6	84
11	Precursor directed synthesis â€“ â€œmolecularâ€•mechanisms in the Soft Chemistry approaches and their use for template-free synthesis of metal, metal oxide and metal chalcogenide nanoparticles and nanostructures. Nanoscale, 2014, 6, 6229-6244.	2.8	83
12	Dispersion of TiO2 nanoparticles improves burn wound healing and tissue regeneration through specific interaction with blood serum proteins. Scientific Reports, 2017, 7, 15448.	1.6	75
13	Cytoprotective Encapsulation of Individual Jurkat T Cells within Durable TiO₂ Shells for Tâ€Cell Therapy. Angewandte Chemie - International Edition, 2017, 56, 10702-10706.	7.2	74
14	Solution-Engineered Palladium Nanoparticles: Model for Health Effect Studies of Automotive Particulate Pollution. ACS Nano, 2011, 5, 5312-5324.	7.3	73
15	The solâ€“gel synthesis of cotton/TiO2 composites and their antibacterial properties. Surface and Coatings Technology, 2014, 253, 171-179.	2.2	70
16	Chemically Triggered Biodelivery Using Metalâ€“Organic Solâ€–Gel Synthesis. Angewandte Chemie - International Edition, 2008, 47, 8506-8509.	7.2	67
17	Non-isothermal pyrolysis of torrefied stump â€“ A comparative kinetic evaluation. Applied Energy, 2014, 136, 759-766.	5.1	65
18	Nanoscale insights into doping behavior, particle size and surface effects in trivalent metal doped SnO2. Scientific Reports, 2017, 7, 9598.	1.6	64

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19	Pushing the theoretical capacity limits of iron oxide anodes: capacity rise of Î³-Fe₂O₃nanoparticles in lithium-ion batteries. Journal of Materials Chemistry A, 2016, 4, 18107-18115.	5.2	61
20	Precursor and Solvent Effects in the Nonhydrolytic Synthesis of Complex Oxide Nanoparticles for Bioimaging Applications by the Ether Elimination (Bradley) Reaction. Chemistry - A European Journal, 2009, 15, 6820-6826.	1.7	59
21	Biomimetic Synthesis of Hierarchically Porous Nanostructured Metal Oxide Microparticlesâ€"Potential Scaffolds for Drug Delivery and Catalysis. Langmuir, 2010, 26, 9809-9817.	1.6	58
22	Solution equilibrium behind the room-temperature synthesis of nanocrystalline titanium dioxide. Nanoscale, 2013, 5, 3330.	2.8	56
23	Stabilization of Metastable Face-Centered Cubic Cobalt and the Tetragonal Phase of Zirconia by a Carbon Shell:â€‰ Reaction under Autogenic Pressure at Elevated Temperature of CoZr2(acac)2(OiPr)8. Chemistry of Materials, 2004, 16, 1793-1798.	3.2	54
24	Influence of heteroligands on the composition, structure and properties of homo- and heterometallic zirconium alkoxides. Decisive role of thermodynamic factors in their self-assembly. Journal of Materials Chemistry, 2004, 14, 3177.	6.7	54
25	Simultaneous Removal of Acetaminophen, Diclofenac, and Cd(II) byTrametes versicolorLaccase Immobilized on Fe₃O₄/SiO₂-DTPA Hybrid Nanocomposites. ACS Sustainable Chemistry and Engineering, 2018, 6, 9979-9989.	3.2	54
26	Antibacterial and photochemical properties of cellulose nanofiberâ€"titania nanocomposites loaded with two different types of antibiotic medicines. Journal of Materials Chemistry B, 2015, 3, 7125-7134.	2.9	53
27	Hybrid Drug Delivery Patches Based on Spherical Cellulose Nanocrystals and Colloid Titaniaâ€"Synthesis and Antibacterial Properties. Nanomaterials, 2018, 8, 228.	1.9	52
28	Novel approach to rhenium oxide catalysts for selective oxidation of methanol to DMM. Journal of Catalysis, 2011, 279, 310-318.	3.1	50
29	Preparation of porous cobalt and nickel oxides from corresponding alkoxides using a sonochemical technique and its application as a catalyst in the oxidation of hydrocarbons. Ultrasonics Sonochemistry, 2003, 10, 1-9.	3.8	49
30	The Effect of a Magnetic Field on a RAPET (Reaction under Autogenic Pressure at Elevated Temperature) of MoO(OMe)4:Â Fabrication of MoO2Nanoparticles Coated with Carbon or Separated MoO2and Carbon Particles. Journal of Physical Chemistry B, 2004, 108, 6322-6327.	1.2	49
31	Mesoporous Nanocrystalline Mixed Metal Oxides from Heterometallic Alkoxide Precursors: Cobaltâ€"Nickel Oxide Spinels for Propane Oxidation. European Journal of Inorganic Chemistry, 2006, 2006, 4983-4988.	1.0	49
32	DTPA-Functionalized Silica Nano- and Microparticles for Adsorption and Chromatographic Separation of Rare Earth Elements. ACS Sustainable Chemistry and Engineering, 2018, 6, 6889-6900.	3.2	49
33	Synthesis of WO3Nanorods by Reacting WO(OMe)4under Autogenic Pressure at Elevated Temperature Followed by Annealing. Inorganic Chemistry, 2005, 44, 9938-9945.	1.9	45
34	Heteroleptic metal alkoxide â€œoxoclustersâ€•as molecular models for the solâ€"gel synthesis of perovskite nanoparticles for bio-imaging applications. Dalton Transactions, 2008, , 3412.	1.6	45
35	Development of Combining of Human Bronchial Mucosa Models with XposeALIÂ® for Exposure of Air Pollution Nanoparticles. PLoS ONE, 2017, 12, e0170428.	1.1	45
36	Molecular insights into the selective action of a magnetically removable complexone-grafted adsorbent. Dalton Transactions, 2015, 44, 1273-1282.	1.6	44

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37	Preparation of iron oxide nanocrystals by surfactant-free or oleic acid-assisted thermal decomposition of a Fe(III) alkoxide. Journal of Magnetism and Magnetic Materials, 2008, 320, 781-787.	1.0	42
38	Removal of Diclofenac, Paracetamol, and Carbamazepine from Model Aqueous Solutions by Magnetic Solâ€“Gel Encapsulated Horseradish Peroxidase and Lignin Peroxidase Composites. Nanomaterials, 2020, 10, 282.	1.9	39
39	Homo- and hetero-metallic rhenium oxomethoxide complexes with a M4(Âµ-O)2(Âµ-OMe)4 planar coreâ€"a new family of metal alkoxides displaying a peculiar structural disorder. Preparation and X-ray single crystal study. Dalton Transactions RSC, 2001, , 2762-2768.	2.3	38
40	Synthesis, X-ray single crystal and magnetic study of new heteroleptic late transition metal alkoxides with tetranuclear square planar metal core, Co4Cl2(OC2H4OEt)6, Co4(OMe)2(acac)6(MeOH)2 and Zn4(OMe)2(acac)6(C7H8). Polyhedron, 2003, 22, 2581-2586.	1.0	37
41	High surface area ordered mesoporous nano-titania by a rapid surfactant-free approach. Journal of Materials Chemistry, 2012, 22, 20374.	6.7	37
42	Toward Molecular Recognition of REEs: Comparative Analysis of Hybrid Nanoadsorbents with the Different Complexonate Ligands EDTA, DTPA, and TTHA. Inorganic Chemistry, 2017, 56, 13938-13948.	1.9	37
43	The mystery of VO(OEt)3 conversion on microhydrolysis disclosed: the X-ray single crystal study of V6O7(OEt)12. Inorganic Chemistry Communication, 2000, 3, 203-204.	1.8	35
44	Visualization of custom-tailored iron oxide nanoparticles chemistry, uptake, and toxicity. Nanoscale, 2012, 4, 7383.	2.8	34
45	Crystal Structure and Morphology Evolution in the LaXO₃, X = Al, Ga, In Nano-Oxide Series. Consequences for the Synthesis of Luminescent Phosphors. Inorganic Chemistry, 2011, 50, 2966-2974.	1.9	33
46	Molecular insight into the mode-of-action of phosphonate monolayers as active functions of hybrid metal oxide adsorbents. Case study in sequestration of rare earth elements. RSC Advances, 2015, 5, 24575-24585.	1.7	33
47	The solution thermolysis approach to molybdenum(V) alkoxides: synthesis, solid state and solution structures of the bimetallic alkoxides of molybdenum(V) and niobium(V), tantalum(V) and tungsten(VI). Dalton Transactions RSC, 2000, , 387-394.	2.3	31
48	Mesoporous silica adsorbents modified with amino polycarboxylate ligands â€“ functional characteristics, health and environmental effects. Journal of Hazardous Materials, 2021, 406, 124698.	6.5	31
49	Organic dyes (acid red, fluorescein, methylene blue) and copper(II) adsorption on amino silica spherical particles with tailored surface hydrophobicity and porosity. Journal of Molecular Liquids, 2021, 336, 116301.	2.3	31
50	Purposeful construction versus self-assembly in approaches to single source precursors of spinel materials. Synthesis, structure and stability studies of MiiAl2(acac)3(OiPr)4(OAc), Mii= Mn, Co, Zn ? a new class of heterometallic heteroleptic alkoxide complexes. Journal of Materials Chemistry, 2004, 14, 3150.	6.7	30
51	Surface Functionalization of the Metal Oxide Nanoparticles with Biologically Active Molecules Containing Phosphonate Moieties. Case Study of BaTiO₃. Journal of Physical Chemistry C, 2011, 115, 9850-9860.	1.5	30
52	Synthesis of Nanocrystalline Zirconium Titanate and its Dielectric Properties. Journal of Physical Chemistry C, 2007, 111, 2484-2489.	1.5	29
53	Photoluminescence investigations of Eu3+ doped BaTiO3 nanopowders fabricated using heterometallic tetranuclear alkoxide complexes. Journal of Alloys and Compounds, 2008, 451, 557-562.	2.8	29
54	Immobilization of urease on magnetic nanoparticles coated by polysiloxane layers bearing thiol- or thiol- and alkyl-functions. Journal of Materials Chemistry B, 2014, 2, 2694-2702.	2.9	29

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55	Applied Magnetic Field Rejects the Coating of Ferromagnetic Carbon from the Surface of Ferromagnetic Cobalt: RAPET of CoZr2(acac)2(OiPr)8. Journal of Physical Chemistry B, 2005, 109, 6121-6125.	1.2	28
56	Simple and Efficient Synthesis of a Nd:LaAlO₃ NIR Nanophosphor from Rare Earth Alkoxo-Monoaluminates Ln₂Al₂(OⁱPr)₁₂(ⁱPrOH)₂ Single Source Precursors by Bradley Reaction. Inorganic Chemistry, 2010, 49, 2684-2691.	1.9	28
57	Lanthanum Molybdate Nanoparticles from the Bradley Reaction: Factors Influencing Their Composition, Structure, and Functional Characteristics as Potential Matrixes for Luminescent Phosphors. Inorganic Chemistry, 2014, 53, 943-951.	1.9	27
58	Mixed-Ligand Titanium â€œOxo Clustersâ€: Structural Insights into the Formation and Binding of Organic Molecules and Transformation into Oxide Nanostructures on Hydrolysis and Thermolysis. European Journal of Inorganic Chemistry, 2017, 2017, 4117-4122.	1.0	27
59	The EURARE Project: Development of a Sustainable Exploitation Scheme for Europeâ€™s Rare Earth Ore Deposits. Johnson Matthey Technology Review, 2017, 61, 142-153.	0.5	27
60	New tabletop SEM-EDS-based approach for cost-efficient monitoring of airborne particulate matter. Environmental Pollution, 2011, 159, 311-318.	3.7	26
61	Protection of Thiol Groups on the Surface of Magnetic Adsorbents and Their Application for Wastewater Treatment. Scientific Reports, 2018, 8, 8592.	1.6	26
62	Tyrosine residues mediate supercontraction in biomimetic spider silk. Communications Materials, 2021, 2, .	2.9	26
63	Sol-Gel Derived Adsorbents with Enzymatic and Complexonate Functions for Complex Water Remediation. Nanomaterials, 2017, 7, 298.	1.9	25
64	Hybrid silica nanoparticles for sequestration and luminescence detection of trivalent rare-earth ions (Dy3+ and Nd3+) in solution. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	24
65	Electrochemical Synthesis, X-ray Single Crystal, IR Spectroscopic, and Quantum Chemical Investigation of Molybdenum and Tungsten Hexamethoxides. Inorganic Chemistry, 2001, 40, 3815-3818.	1.9	23
66	Alkoxide Route to Mixed Oxides of Rhenium, Niobium, and Tantalum. Preparation and X-ray Single-Crystal Study of a Novel Rheniumâ^'Niobium Methoxo Complex, Nb2(OMe)8(ReO4)2. Chemistry of Materials, 2002, 14, 2378-2383.	3.2	23
67	Thermal decomposition of the methoxide complexes MoO(OMe)4, Re4O6(OMe)12 and (Re1â^'Mo) Tj ETQq1 1 0.784314 rgBT /Overl	2.0	23
68	Rhenium Nanochemistry for Catalyst Preparation. Minerals (Basel, Switzerland), 2012, 2, 244-257.	0.8	23
69	New product from old reaction: uniform magnetite nanoparticles from iron-mediated synthesis of alkali iodides and their protection from leaching in acidic media. RSC Advances, 2014, 4, 22606-22612.	1.7	23
70	Plant Responses to Brief Touching: A Mechanism for Early Neighbour Detection?. PLoS ONE, 2016, 11, e0165742.	1.1	22
71	Structural characterization, solution stability, and potential health and environmental effects of the Nano-TiO2 bioencapsulation matrix and the model product of its biodegradation TiBALDH. RSC Advances, 2012, 2, 4228.	1.7	21
72	Anomalous adsorption of biomolecules on a Zn-based metalâ€“organic framework obtained via a facile room-temperature route. Chemical Communications, 2015, 51, 17764-17767.	2.2	21

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73	Wheat starch carbamate: Production, molecular characterization, and film forming properties. Carbohydrate Polymers, 2017, 172, 365-373.	5.1	21
74	General Facile Approach to Transitionâ€Metal Oxides with Highly Uniform Mesoporosity and Their Application as Adsorbents for Heavyâ€Metalâ€Ion Sequestration. Chemistry - A European Journal, 2014, 20, 10732-10736.	1.7	20
75	Self-assembly of plant protein fibrils interacting with superparamagnetic iron oxide nanoparticles. Scientific Reports, 2019, 9, 8939.	1.6	20
76	A new concept for titanium oxo-alkoxo-carboxylatesâ€™ encapsulated biocompatible time temperature food indicators based on arising, not fading color. Journal of Sol-Gel Science and Technology, 2010, 55, 1-8.	1.1	19
77	Highly symmetric organic ligand-capped Lindqvist structures derived from 3d-elements. Dalton Transactions, 2010, 39, 7774.	1.6	19
78	Tailoring bifunctional hybrid organicâ€“inorganic nanoadsorbents by the choice of functional layer composition probed by adsorption of Cu2+ ions. Beilstein Journal of Nanotechnology, 2017, 8, 334-347.	1.5	19
79	The molecular composition of non-modified and acac-modified propoxide and butoxide precursors of zirconium and hafnium dioxides. Journal of Sol-Gel Science and Technology, 2009, 51, 10-22.	1.1	18
80	Urease adsorption and activity on magnetite nanoparticles functionalized with monofunctional and bifunctional surface layers. Journal of Sol-Gel Science and Technology, 2013, 68, 447-454.	1.1	18
81	Coordination of rare earth element cations on the surface of silica-derived nanoadsorbents. Dalton Transactions, 2018, 47, 1312-1320.	1.6	18
82	Basic Medium Heterogeneous Solution Synthesis of Î±-MnO2 Nanoflakes as an Anode or Cathode in Half Cell Configuration (vs. Lithium) of Li-Ion Batteries. Nanomaterials, 2018, 8, 608.	1.9	18
83	Molecular structure design approach to perspective single-source precursors of titanate materials. Synthesis, X-ray single crystal and mass-spectrometric study of M2Ti2(acac)4(OMe)8, M=Mg, Co. Inorganic Chemistry Communication, 2004, 7, 18-20.	1.8	17
84	Perovskite thin films grown by direct liquid injection MOCVD. Applied Surface Science, 2007, 253, 9091-9098.	3.1	17
85	Enzyme immobilization on a nanoadsorbent for improved stability against heavy metal poisoning. Colloids and Surfaces B: Biointerfaces, 2016, 144, 135-142.	2.5	17
86	Controlling nucleation and growth of nano-CaCO3 via CO2 sequestration by a calcium alkoxide solution to produce nanocomposites for drug delivery applications. Acta Biomaterialia, 2017, 57, 426-434.	4.1	17
87	Contact (kallikrein/kinin) system activation in whole human blood induced by low concentrations of Î±-Fe2O3 nanoparticles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 735-744.	1.7	17
88	Synthesis, crystal, molecular and electronic structure of a novel heterobinuclear alkoxide cluster [(MeO)2ReO(Âµ-OMe)3MoO(OMe)2]. Journal of the Chemical Society Chemical Communications, 1995, , 1779-1780.	2.0	16
89	The synthesis of iron (III) ethoxide revisited: Characterization of the metathesis products of iron (III) halides and sodium ethoxide. Inorganica Chimica Acta, 2005, 358, 3506-3512.	1.2	16
90	Full Tetragonal Phase Stabilization in ZrO2 Nanoparticles Using Wet Impregnation: Interplay of Host Structure, Dopant Concentration and Sensitivity of Characterization Technique. Nanomaterials, 2018, 8, 988.	1.9	16

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91	Titanium phosphonate oxo-alkoxide â€œclustersâ€: solution stability and facile hydrolytic transformation into nano titania. RSC Advances, 2020, 10, 6873-6883.	1.7	16
92	The electrochemical synthesis and X-ray single crystal study of Re4O6(OiPr)10 â€“ a new Rhenium(V, VI) cluster with an unprecedented arrangement of metalâ€“metal bonds. Inorganic Chemistry Communication, 2001, 4, 227-229.	1.8	15
93	Synthesis and characterization of orthorhombic, 2d-centered rectangular and lamellar iron oxide doped silica films. Journal of Materials Chemistry, 2006, 16, 4443-4453.	6.7	15
94	Crystal Engineering of Nanomorphology for Complex Oxide Materials via Thermal Decomposition of Metalâ^'Organic Frameworks. Case Study of Sodium Tantalate. Crystal Growth and Design, 2011, 11, 1238-1243.	1.4	15
95	Space and time resolved monitoring of airborne particulate matter in proximity of a traffic roundabout in Sweden. Environmental Pollution, 2013, 182, 364-370.	3.7	15
96	Mesoporous Anatase TiO₂ Nanorods as Thermally Robust Anode Materials for Liâ€ion Batteries: Detailed Insight into the Formation Mechanism. Chemistry - A European Journal, 2013, 19, 17439-17444.	1.7	15
97	Palladium Nanoparticles: Is There a Risk for Aquatic Ecosystems?. Bulletin of Environmental Contamination and Toxicology, 2016, 97, 153-158.	1.3	15
98	Phase Control in Hafnia: New Synthesis Approach and Convergence of Average and Local Structure Properties. ACS Omega, 2019, 4, 8881-8891.	1.6	15
99	Supported Re and Mo oxides prepared using binuclear precursors: synthesis and characterization. Journal of Molecular Catalysis A, 2004, 216, 101-106.	4.8	14
100	Cytoprotective Encapsulation of Individual Jurkat T Cells within Durable TiO₂ Shells for Tâ€Cell Therapy. Angewandte Chemie, 2017, 129, 10842-10846.	1.6	14
101	Optically Active Hybrid Materials Based on Natural Spider Silk. ACS Applied Materials & Interfaces, 2019, 11, 22962-22972.	4.0	14
102	Tailoring Nanoadsorbent Surfaces: Separation of Rare Earths and Late Transition Metals in Recycling of Magnet Materials. Nanomaterials, 2022, 12, 974.	1.9	14
103	Preparation of trimetallic alkoxide complexes exploiting the isomorphous substitution approach.. Polyhedron, 2002, 21, 2317-2322.	1.0	13
104	Isolation, X-ray single crystal and theoretical study of quinquevalent metal oxoisopropoxides, Nb6O8(iPrO)14(iPrOH)2 and Re4O6(OiPr)10. Inorganica Chimica Acta, 2004, 357, 468-474.	1.2	13
105	New polynuclear aluminium oxoalkoxides: molecular structures of Al11(Î¼4-O)2(Î¼3-O)2(Î¼-O)2(Î¼-OPrn)10(Î¼-OPri)2(Î¼-ROH)2(OPri)8(OR), R=Prn,i and Al5Mg4(Î¼4-O)2(Î¼3-O)(Î¼-OH)3(Î¼-OPri)8(Î¼,Î·2-acac)4(Î·2-acac)2. Polyhedron, 2004, 23, 109-114.	1.0	13
106	Synthesis of highly sterically hindered niobium and tantalum alkoxides and their microhydrolysis in strongly basic medium. Journal of Sol-Gel Science and Technology, 2008, 48, 61-65.	1.1	13
107	Magnetically separable mesoporous Fe3O4/silica catalysts with very low Fe3O4 content. Journal of Solid State Chemistry, 2016, 237, 138-143.	1.4	13
108	Tripodal Tetrahedral Titanium Coordination in the Silica-Grafted Titania Epoxidation Catalysts: Is Not It Only a Myth? Selective Formation of [Cy7Si7O12Ti]2(Î¼-OR)2(Î¼-ROH) Cores on Thermal â€œDissociationâ€•of Alkoxytitanasilsesquioxanes. Inorganic Chemistry, 2009, 48, 9063-9065.	1.9	12

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109	Isolation and single crystal study of [Nb2(Î¼-OMe)2(OiPr)8]. Can alcohol interchange provide the homoleptic niobium isopropoxide?. Journal of Sol-Gel Science and Technology, 2007, 43, 105-109.	1.1	11
110	Substitution features in the isomorphous replacement series for metal-organic compounds (NbxTa1â^'x)4O2(OMe)14(ReO4)2, x=0.7, 0.5, 0.3â€"Single-source precursors of complex oxides with organized porosity. Journal of Solid State Chemistry, 2008, 181, 3294-3302.	1.4	11
111	Precursor-Directed Assembly of Complex Oxide Nanobeads: The Role of Strongly Coordinated Inorganic Anions. Langmuir, 2011, 27, 11622-11628.	1.6	11
112	Controlling micro- and nanostructure and activity of the NaAlO2 biodiesel transesterification catalyst by its dissolution in a mesoporous Î³-Al2O3-matrix. Journal of Sol-Gel Science and Technology, 2015, 76, 90-97.	1.1	11
113	Unusual seeding mechanism for enhanced performance in solid-phase magnetic extraction of Rare Earth Elements. Scientific Reports, 2017, 7, 43740.	1.6	11
114	Complexes of Keggin POMs [PM₁₂O₄₀]³^{â€“} (M = Mo, W) with GlyGly Peptide and Arginine â€“ Crystal Structures and Solution Reactivity. European Journal of Inorganic Chemistry, 2019, 2019, 4297-4305.	1.0	11
115	Synthesis and X-ray single crystal study of niobium and tantalum oxo-ethoxo-perrhenates,. Polyhedron, 2007, 26, 862-866.	1.0	10
116	Electrochemical Synthesis, Structural Characterization, and Decomposition of Rhenium Oxoethoxide, Re₄O₄(OEt)₁₂. Ligand Influence on the Structure and Bonding in the High-Valent Tetranuclear Planar Rhenium Alkoxide Clusters. Inorganic Chemistry, 2008, 47, 1295-1300.	1.9	10
117	Comparing human respiratory adverse effects after acute exposure to particulate matter in conventional and particle-reduced swine building environments. Occupational and Environmental Medicine, 2016, 73, 648-655.	1.3	10
118	Mesoporous Tantalum Oxide Photocatalyst: Structure and Activity Evaluation. ChemistrySelect, 2017, 2, 421-427.	0.7	10
119	Synthesis and X-ray single crystal study of â€"first representative of a new structure type for the heterometallic alkoxide complexes. Inorganic Chemistry Communication, 2002, 5, 946-948.	1.8	9
120	Solution interaction of O-donor ligand metal complexes with thiocarbonyl compoundsâ€"a new general route to metal sulfide materials. New Journal of Chemistry, 2003, 27, 1059-1064.	1.4	9
121	The structural characterization of the first mononuclear alkoxide cation: Isolation and X-ray study of [Mo(OMe)5(CH3CN)]Bi2Cl7. Inorganic Chemistry Communication, 2005, 8, 503-505.	1.8	9
122	A Single-Source-Precursor Approach to Late Transition Metal Molybdate Materials: The Structural Role of Chelating Ligands in the Formation of Heterometallic Heteroleptic Alkoxide Complexes. European Journal of Inorganic Chemistry, 2006, 2006, 1413-1422.	1.0	9
123	Controlling precursor stability and evaporation through molecular design. Pseudo single source precursor approach to MOCVD SrTiO3 thin films. Applied Surface Science, 2011, 257, 2281-2290.	3.1	9
124	Investigating the stable operating voltage for the MnFe₂O₄ Li-ion battery anode. Sustainable Energy and Fuels, 2021, 5, 1904-1913.	2.5	9
125	Enhanced Removal of Cr(III), Mn(II), Cd(II), Pb(II) and Cu(II) from Aqueous Solution by N-functionalized Ordered Silica. Chemistry Africa, 2021, 4, 451.	1.2	9
126	Rare-Earth-Modified Titania Nanoparticles: Molecular Insight into Synthesis and Photochemical Properties. Inorganic Chemistry, 2021, 60, 14820-14830.	1.9	9

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127	In situ Functionalized Mesoporous Silicas for Sustainable Remediation Strategies in Removal of Inorganic Pollutants from Contaminated Environmental Water. ACS Omega, 2022, 7, 23576-23590.	1.6	9
128	Perrhenate ligand as an analog of the methoxide group in alkoxide complexes. Synthesis and X-ray single crystal study of Ta2(OMe)8(ReO4)2. Inorganic Chemistry Communication, 2001, 4, 534-536.	1.8	8
129	Molecular design approach to a highly soluble and volatile bimetallic alkoxide of late transition metal and zirconium. Synthesis, X-ray single crystal and mass-spectral study of NiZr2(acac)(OiPr)9. Inorganic Chemistry Communication, 2007, 10, 94-96.	1.8	8
130	Comparative study of bimetal alkoxo complexes of rhenium, niobium, and tantalum by single-crystal x-ray diffraction and IR spectroscopy. Russian Journal of Inorganic Chemistry, 2007, 52, 1687-1693.	0.3	8
131	Straightforward synthesis and structural characterization of the first alkoxy-zircono-silsesquioxanes â€" Potential models for zirconiaâ€"silica epoxidation catalysts. Inorganic Chemistry Communication, 2010, 13, 774-777.	1.8	8
132	One-pot synthesis of mesoporous SBA-15 containing protonated 3-aminopropyl groups. Journal of Porous Materials, 2013, 20, 1315-1321.	1.3	8
133	Zirconium and hafnium tert-butoxides and tert-butoxo-Î²-diketonate complexes â€" Isolation, structural characterization and application in the one-step synthesis of 3D metal oxide nanostructures. Polyhedron, 2013, 53, 150-156.	1.0	8
134	Hybrid Spider Silk with Inorganic Nanomaterials. Nanomaterials, 2020, 10, 1853.	1.9	8
135	Title is missing!. Journal of Sol-Gel Science and Technology, 2000, 19, 285-288.	1.1	7
136	Preparation of Powders and Films of NiAl2O4Spinel from a Structurally Characterized Molecular Precursor, NiAl2(acac)4(OiPr)4. Journal of Sol-Gel Science and Technology, 2004, 31, 63-66.	1.1	7
137	Synthesis of Cyclenâ€Functionalized Ethenyleneâ€Based Periodic Mesoporous Organosilica Nanoparticles and Metalâ€Ion Adsorption Studies. ChemNanoMat, 2020, 6, 1625-1634.	1.5	7
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