

Gulaim A Seisenbaeva

List of Publications by Year in descending order

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168
papers

5,086
citations

94269

37
h-index

118652

62
g-index

177
all docs

177
docs citations

177
times ranked

6597
citing authors

#	ARTICLE	IF	CITATIONS
1	Site-specific recognition of SARS-CoV-2 nsp1 protein with a tailored titanium dioxide nanoparticle – elucidation of the complex structure using NMR data and theoretical calculation. <i>Nanoscale Advances</i> , 2022, 4, 1527-1532.	2.2	6
2	Tailoring Nanoadsorbent Surfaces: Separation of Rare Earths and Late Transition Metals in Recycling of Magnet Materials. <i>Nanomaterials</i> , 2022, 12, 974.	1.9	14
3	Factors influencing stoichiometry and stability of polyoxometalate – peptide complexes. <i>Dalton Transactions</i> , 2022, 51, 9511-9521.	1.6	5
4	In situ Functionalized Mesoporous Silicas for Sustainable Remediation Strategies in Removal of Inorganic Pollutants from Contaminated Environmental Water. <i>ACS Omega</i> , 2022, 7, 23576-23590.	1.6	9
5	Mesoporous silica adsorbents modified with amino polycarboxylate ligands – functional characteristics, health and environmental effects. <i>Journal of Hazardous Materials</i> , 2021, 406, 124698.	6.5	31
6	Investigating the stable operating voltage for the MnFe ₂ O ₄ Li-ion battery anode. <i>Sustainable Energy and Fuels</i> , 2021, 5, 1904-1913.	2.5	9
7	Synthesis of triethoxysilylated cyclen derivatives, grafting on magnetic mesoporous silica nanoparticles and application to metal ion adsorption. <i>RSC Advances</i> , 2021, 11, 10777-10784.	1.7	5
8	Enhanced Removal of Cr(III), Mn(II), Cd(II), Pb(II) and Cu(II) from Aqueous Solution by N-functionalized Ordered Silica. <i>Chemistry Africa</i> , 2021, 4, 451.	1.2	9
9	Single-Source Alkoxide Precursor Approach to Titanium Molybdate, TiMoO ₅ , and Its Structure, Electrochemical Properties, and Potential as an Anode Material for Alkali Metal Ion Batteries. <i>Inorganic Chemistry</i> , 2021, 60, 3593-3603.	1.9	4
10	Tyrosine residues mediate supercontraction in biomimetic spider silk. <i>Communications Materials</i> , 2021, 2, .	2.9	26
11	Hemocompatibility of Nanotitania-Nanocellulose Hybrid Materials. <i>Nanomaterials</i> , 2021, 11, 1100.	1.9	5
12	Organic dyes (acid red, fluorescein, methylene blue) and copper(II) adsorption on amino silica spherical particles with tailored surface hydrophobicity and porosity. <i>Journal of Molecular Liquids</i> , 2021, 336, 116301.	2.3	31
13	Rare-Earth-Modified Titania Nanoparticles: Molecular Insight into Synthesis and Photochemical Properties. <i>Inorganic Chemistry</i> , 2021, 60, 14820-14830.	1.9	9
14	Long-chain ligand design in creating magnetic nano adsorbents for separation of REE from LTM. <i>Separation and Purification Technology</i> , 2021, 276, 119340.	3.9	4
15	Complexes of Keggin POMs [PM ₁₂ O ₄₀] ³⁻ (M=Mo, W) with GlyGlyGly and GlyGlyGlyGly Oligopeptides. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 54-61.	1.0	7
16	Modulating Surface Properties of the <i>Linothele fallax</i> Spider Web by Solvent Treatment. <i>Biomacromolecules</i> , 2021, 22, 4945-4955.	2.6	3
17	Synthesis of Cyclen-Functionalized Ethenylene-Based Periodic Mesoporous Organosilica Nanoparticles and Metal-Ion Adsorption Studies. <i>ChemNanoMat</i> , 2020, 6, 1625-1634.	1.5	7
18	Hybrid Spider Silk with Inorganic Nanomaterials. <i>Nanomaterials</i> , 2020, 10, 1853.	1.9	8

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19	Self-Assembly of Asymmetrically Functionalized Titania Nanoparticles into Nanoshells. <i>Materials</i> , 2020, 13, 4856.	1.3	4
20	Titanium phosphonate oxo-alkoxide clusters solution stability and facile hydrolytic transformation into nano titania. <i>RSC Advances</i> , 2020, 10, 6873-6883.	1.7	16
21	Removal of Diclofenac, Paracetamol, and Carbamazepine from Model Aqueous Solutions by Magnetic Sol-Gel Encapsulated Horseradish Peroxidase and Lignin Peroxidase Composites. <i>Nanomaterials</i> , 2020, 10, 282.	1.9	39
22	Luminescence performance of Cerium(III) ions incorporated into organofunctional mesoporous silica. <i>Microporous and Mesoporous Materials</i> , 2020, 305, 110331.	2.2	6
23	Molecular Recognition Approach to REE Extraction, Separation, and Recycling. <i>Minerals, Metals and Materials Series</i> , 2020, , 57-66.	0.3	0
24	Silica and titania nanoadsorbents for application in molecular recognition technology. , 2019, , 33-49.		0
25	Complexes of Keggin POMs [PM ₁₂ O ₄₀] ³⁻ (M = Mo, W) with GlyGly Peptide and Arginine Crystal Structures and Solution Reactivity. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4297-4305.	1.0	11
26	Formation of mesoporous structure in Al ₂ O ₃ -NaAlO ₂ -based materials produced by template synthesis. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 92, 293-303.	1.1	3
27	Self-assembly of plant protein fibrils interacting with superparamagnetic iron oxide nanoparticles. <i>Scientific Reports</i> , 2019, 9, 8939.	1.6	20
28	Phase Control in Hafnia: New Synthesis Approach and Convergence of Average and Local Structure Properties. <i>ACS Omega</i> , 2019, 4, 8881-8891.	1.6	15
29	Optically Active Hybrid Materials Based on Natural Spider Silk. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 22962-22972.	4.0	14
30	Hierarchically porous zirconia through precursor-directed large-scale synthesis. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 90, 140-148.	1.1	2
31	DTPA-Functionalized Silica Nano- and Microparticles for Adsorption and Chromatographic Separation of Rare Earth Elements. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6889-6900.	3.2	49
32	Coordination of rare earth element cations on the surface of silica-derived nanoadsorbents. <i>Dalton Transactions</i> , 2018, 47, 1312-1320.	1.6	18
33	Contact (kallikrein/kinin) system activation in whole human blood induced by low concentrations of Fe ₃ O ₄ nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 735-744.	1.7	17
34	Titania (TiO ₂) nanoparticles enhance the performance of growth-promoting rhizobacteria. <i>Scientific Reports</i> , 2018, 8, 617.	1.6	120
35	Full Tetragonal Phase Stabilization in ZrO ₂ Nanoparticles Using Wet Impregnation: Interplay of Host Structure, Dopant Concentration and Sensitivity of Characterization Technique. <i>Nanomaterials</i> , 2018, 8, 988.	1.9	16
36	Simultaneous Removal of Acetaminophen, Diclofenac, and Cd(II) by <i>Trametes versicolor</i> Laccase Immobilized on Fe ₃ O ₄ /SiO ₂ -DTPA Hybrid Nanocomposites. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9979-9989.	3.2	54

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37	Hybrid Drug Delivery Patches Based on Spherical Cellulose Nanocrystals and Colloid Titaniaâ€”Synthesis and Antibacterial Properties. <i>Nanomaterials</i> , 2018, 8, 228.	1.9	52
38	Basic Medium Heterogeneous Solution Synthesis of δ -MnO ₂ Nanoflakes as an Anode or Cathode in Half Cell Configuration (vs. Lithium) of Li-Ion Batteries. <i>Nanomaterials</i> , 2018, 8, 608.	1.9	18
39	Protection of Thiol Groups on the Surface of Magnetic Adsorbents and Their Application for Wastewater Treatment. <i>Scientific Reports</i> , 2018, 8, 8592.	1.6	26
40	Mesoporous Tantalum Oxide Photocatalyst: Structure and Activity Evaluation. <i>ChemistrySelect</i> , 2017, 2, 421-427.	0.7	10
41	Controlling nucleation and growth of nano-CaCO ₃ via CO ₂ sequestration by a calcium alkoxide solution to produce nanocomposites for drug delivery applications. <i>Acta Biomaterialia</i> , 2017, 57, 426-434.	4.1	17
42	Cytoprotective Encapsulation of Individual Jurkat T Cells within Durable TiO ₂ Shells for Tâ€”Cell Therapy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10702-10706.	7.2	74
43	Cytoprotective Encapsulation of Individual Jurkat T Cells within Durable TiO ₂ Shells for Tâ€”Cell Therapy. <i>Angewandte Chemie</i> , 2017, 129, 10842-10846.	1.6	14
44	Wheat starch carbamate: Production, molecular characterization, and film forming properties. <i>Carbohydrate Polymers</i> , 2017, 172, 365-373.	5.1	21
45	Unusual seeding mechanism for enhanced performance in solid-phase magnetic extraction of Rare Earth Elements. <i>Scientific Reports</i> , 2017, 7, 43740.	1.6	11
46	Toward Molecular Recognition of REEs: Comparative Analysis of Hybrid Nanoadsorbents with the Different Complexonate Ligands EDTA, DTPA, and TTHA. <i>Inorganic Chemistry</i> , 2017, 56, 13938-13948.	1.9	37
47	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. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4117-4122.	1.0	27
48	Nanoscale insights into doping behavior, particle size and surface effects in trivalent metal doped SnO ₂ . <i>Scientific Reports</i> , 2017, 7, 9598.	1.6	64
49	Dispersion of TiO ₂ nanoparticles improves burn wound healing and tissue regeneration through specific interaction with blood serum proteins. <i>Scientific Reports</i> , 2017, 7, 15448.	1.6	75
50	Maghemite Nanoparticles Acts as Nanozymes, Improving Growth and Abiotic Stress Tolerance in Brassica napus. <i>Nanoscale Research Letters</i> , 2017, 12, 631.	3.1	128
51	Sol-Gel Derived Adsorbents with Enzymatic and Complexonate Functions for Complex Water Remediation. <i>Nanomaterials</i> , 2017, 7, 298.	1.9	25
52	The EURARE Project: Development of a Sustainable Exploitation Scheme for Europeâ€™s Rare Earth Ore Deposits. <i>Johnson Matthey Technology Review</i> , 2017, 61, 142-153.	0.5	27
53	Tailoring bifunctional hybrid organicâ€”inorganic nanoadsorbents by the choice of functional layer composition probed by adsorption of Cu ²⁺ ions. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 334-347.	1.5	19
54	Development of Combining of Human Bronchial Mucosa Models with XposeALIÂ® for Exposure of Air Pollution Nanoparticles. <i>PLoS ONE</i> , 2017, 12, e0170428.	1.1	45

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55	Comparing human respiratory adverse effects after acute exposure to particulate matter in conventional and particle-reduced swine building environments. <i>Occupational and Environmental Medicine</i> , 2016, 73, 648-655.	1.3	10
56	Magnetically separable mesoporous Fe ₃ O ₄ /silica catalysts with very low Fe ₃ O ₄ content. <i>Journal of Solid State Chemistry</i> , 2016, 237, 138-143.	1.4	13
57	Enzyme immobilization on a nanoadsorbent for improved stability against heavy metal poisoning. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 144, 135-142.	2.5	17
58	Palladium Nanoparticles: Is There a Risk for Aquatic Ecosystems?. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016, 97, 153-158.	1.3	15
59	Pushing the theoretical capacity limits of iron oxide anodes: capacity rise of Fe_2O_3 nanoparticles in lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18107-18115.	5.2	61
60	Plant Responses to Brief Touching: A Mechanism for Early Neighbour Detection?. <i>PLoS ONE</i> , 2016, 11, e0165742.	1.1	22
61	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. <i>RSC Advances</i> , 2015, 5, 24575-24585.	1.7	33
62	Controlling micro- and nanostructure and activity of the NaAlO ₂ biodiesel transesterification catalyst by its dissolution in a mesoporous Al_2O_3 -matrix. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 76, 90-97.	1.1	11
63	Zirconium(IV) and hafnium(IV) coordination polymers with a tetra-acetyl-ethane (Bisacac) ligand: Synthesis, structure elucidation and gas sorption behavior. <i>Polyhedron</i> , 2015, 89, 297-303.	1.0	6
64	Cellulose nanofiber-titania nanocomposites as potential drug delivery systems for dermal applications. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1688-1698.	2.9	94
65	Electrochemical Energy Storage: Ordered Network of Interconnected SnO ₂ Nanoparticles for Excellent Lithium-Ion Storage (<i>Adv. Energy Mater.</i> 5/2015). <i>Advanced Energy Materials</i> , 2015, 5, n/a-n/a.	10.2	1
66	Nano titania aided clustering and adhesion of beneficial bacteria to plant roots to enhance crop growth and stress management. <i>Scientific Reports</i> , 2015, 5, 10146.	1.6	84
67	Anomalous adsorption of biomolecules on a Zn-based metal-organic framework obtained via a facile room-temperature route. <i>Chemical Communications</i> , 2015, 51, 17764-17767.	2.2	21
68	Antibacterial and photochemical properties of cellulose nanofiber-titania nanocomposites loaded with two different types of antibiotic medicines. <i>Journal of Materials Chemistry B</i> , 2015, 3, 7125-7134.	2.9	53
69	Molecular insights into the selective action of a magnetically removable complexone-grafted adsorbent. <i>Dalton Transactions</i> , 2015, 44, 1273-1282.	1.6	44
70	Ordered Network of Interconnected SnO ₂ Nanoparticles for Excellent Lithium-Ion Storage. <i>Advanced Energy Materials</i> , 2015, 5, 1401289.	10.2	147
71	Drought-Tolerance of Wheat Improved by Rhizosphere Bacteria from Harsh Environments: Enhanced Biomass Production and Reduced Emissions of Stress Volatiles. <i>PLoS ONE</i> , 2014, 9, e96086.	1.1	506
72	Hybrid silica nanoparticles for sequestration and luminescence detection of trivalent rare-earth ions (Dy ³⁺ and Nd ³⁺) in solution. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	24

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73	Non-isothermal pyrolysis of torrefied stump – A comparative kinetic evaluation. <i>Applied Energy</i> , 2014, 136, 759-766.	5.1	65
74	Precursor directed synthesis – –molecular– mechanisms in the Soft Chemistry approaches and their use for template-free synthesis of metal, metal oxide and metal chalcogenide nanoparticles and nanostructures. <i>Nanoscale</i> , 2014, 6, 6229-6244.	2.8	83
75	Immobilization of urease on magnetic nanoparticles coated by polysiloxane layers bearing thiol- or thiol- and alkyl-functions. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2694-2702.	2.9	29
76	The first depleted heterojunction TiO ₂ –MOF-based solar cell. <i>Chemical Communications</i> , 2014, 50, 10210-10213.	2.2	112
77	Lanthanum Molybdate Nanoparticles from the Bradley Reaction: Factors Influencing Their Composition, Structure, and Functional Characteristics as Potential Matrixes for Luminescent Phosphors. <i>Inorganic Chemistry</i> , 2014, 53, 943-951.	1.9	27
78	Study of the curing mechanism of metal alkoxide liquid threads for the synthesis of metal oxide fibers or microtubes. <i>RSC Advances</i> , 2014, 4, 12545-12554.	1.7	4
79	General Facile Approach to Transition–Metal Oxides with Highly Uniform Mesoporosity and Their Application as Adsorbents for Heavy–Metal–ion Sequestration. <i>Chemistry - A European Journal</i> , 2014, 20, 10732-10736.	1.7	20
80	New product from old reaction: uniform magnetite nanoparticles from iron-mediated synthesis of alkali iodides and their protection from leaching in acidic media. <i>RSC Advances</i> , 2014, 4, 22606-22612.	1.7	23
81	The sol–gel synthesis of cotton/TiO ₂ composites and their antibacterial properties. <i>Surface and Coatings Technology</i> , 2014, 253, 171-179.	2.2	70
82	Molecular design approach to single-source precursors of perovskite stannate materials. <i>Polyhedron</i> , 2014, 81, 21-26.	1.0	5
83	Novel solvothermal approach to hydrophilic nanoparticles of late transition elements and its evaluation by nanoparticle tracking analysis. <i>Advances in Nano Research</i> , 2014, 2, 77-88.	0.9	3
84	One-pot synthesis of mesoporous SBA-15 containing protonated 3-aminopropyl groups. <i>Journal of Porous Materials</i> , 2013, 20, 1315-1321.	1.3	8
85	Comparative Assessment of Wet Torrefaction. <i>Energy & Fuels</i> , 2013, 27, 6743-6753.	2.5	136
86	Stump torrefaction for bioenergy application. <i>Applied Energy</i> , 2013, 112, 539-546.	5.1	94
87	Space and time resolved monitoring of airborne particulate matter in proximity of a traffic roundabout in Sweden. <i>Environmental Pollution</i> , 2013, 182, 364-370.	3.7	15
88	Interaction of nickel aminoalkoxide with samarium ^{II} -diketonate – Identification of new precursors for MOCVD synthesis of SmNiO ₃ perovskite films. <i>Polyhedron</i> , 2013, 50, 31-35.	1.0	2
89	Urease adsorption and activity on magnetite nanoparticles functionalized with monofunctional and bifunctional surface layers. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 68, 447-454.	1.1	18
90	Solution equilibrium behind the room-temperature synthesis of nanocrystalline titanium dioxide. <i>Nanoscale</i> , 2013, 5, 3330.	2.8	56

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91	Zirconium and hafnium tert-butoxides and tert-butoxo- β -diketonate complexes – Isolation, structural characterization and application in the one-step synthesis of 3D metal oxide nanostructures. <i>Polyhedron</i> , 2013, 53, 150-156.	1.0	8
92	Mesoporous Anatase TiO ₂ Nanorods as Thermally Robust Anode Materials for Li-ion Batteries: Detailed Insight into the Formation Mechanism. <i>Chemistry - A European Journal</i> , 2013, 19, 17439-17444.	1.7	15
93	Rhenium Nanochemistry for Catalyst Preparation. <i>Minerals (Basel, Switzerland)</i> , 2012, 2, 244-257.	0.8	23
94	Structural characterization, solution stability, and potential health and environmental effects of the Nano-TiO ₂ bioencapsulation matrix and the model product of its biodegradation TiBALDH. <i>RSC Advances</i> , 2012, 2, 4228.	1.7	21
95	High surface area ordered mesoporous nano-titania by a rapid surfactant-free approach. <i>Journal of Materials Chemistry</i> , 2012, 22, 20374.	6.7	37
96	Visualization of custom-tailored iron oxide nanoparticles chemistry, uptake, and toxicity. <i>Nanoscale</i> , 2012, 4, 7383.	2.8	34
97	Biocompatible titania hydrogels with chemically triggered release of a photosensitive dye. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 62, 370-377.	1.1	0
98	Solution-Engineered Palladium Nanoparticles: Model for Health Effect Studies of Automotive Particulate Pollution. <i>ACS Nano</i> , 2011, 5, 5312-5324.	7.3	73
99	Surface Functionalization of the Metal Oxide Nanoparticles with Biologically Active Molecules Containing Phosphonate Moieties. Case Study of BaTiO ₃ . <i>Journal of Physical Chemistry C</i> , 2011, 115, 9850-9860.	1.5	30
100	Precursor-Directed Assembly of Complex Oxide Nanobeads: The Role of Strongly Coordinated Inorganic Anions. <i>Langmuir</i> , 2011, 27, 11622-11628.	1.6	11
101	Crystal Structure and Morphology Evolution in the LaXO ₃ , X = Al, Ga, In Nano-Oxide Series. Consequences for the Synthesis of Luminescent Phosphors. <i>Inorganic Chemistry</i> , 2011, 50, 2966-2974.	1.9	33
102	On the Reliability of Heteronuclear Precursors-Ligand Effects in the Li-MOCVD Synthesis of SrTiO ₃ Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 8302-8308.	0.9	3
103	Novel approach to rhenium oxide catalysts for selective oxidation of methanol to DMM. <i>Journal of Catalysis</i> , 2011, 279, 310-318.	3.1	50
104	New tabletop SEM-EDS-based approach for cost-efficient monitoring of airborne particulate matter. <i>Environmental Pollution</i> , 2011, 159, 311-318.	3.7	26
105	Crystal Engineering of Nanomorphology for Complex Oxide Materials via Thermal Decomposition of Metal-Organic Frameworks. Case Study of Sodium Tantalate. <i>Crystal Growth and Design</i> , 2011, 11, 1238-1243.	1.4	15
106	Controlling precursor stability and evaporation through molecular design. Pseudo single source precursor approach to MOCVD SrTiO ₃ thin films. <i>Applied Surface Science</i> , 2011, 257, 2281-2290.	3.1	9
107	A new concept for titanium oxo-alkoxo-carboxylates™ encapsulated biocompatible time temperature food indicators based on arising, not fading color. <i>Journal of Sol-Gel Science and Technology</i> , 2010, 55, 1-8.	1.1	19
108	Straightforward synthesis and structural characterization of the first alkoxy-zircono-silsesquioxanes – Potential models for zirconia-silica epoxidation catalysts. <i>Inorganic Chemistry Communication</i> , 2010, 13, 774-777.	1.8	8

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109	Highly symmetric organic ligand-capped Lindqvist structures derived from 3d-elements. Dalton Transactions, 2010, 39, 7774.	1.6	19
110	Simple and Efficient Synthesis of a Nd:LaAlO ₃ NIR Nanophosphor from Rare Earth Alkoxo-Monoaluminates Ln ₂ Al ₂ (O ⁱ Pr) ₁₂ (ⁱ PrOH) ₂ Single Source Precursors by Bradley Reaction. Inorganic Chemistry, 2010, 49, 2684-2691.	1.9	28
111	Biomimetic Synthesis of Hierarchically Porous Nanostructured Metal Oxide Microparticles—Potential Scaffolds for Drug Delivery and Catalysis. Langmuir, 2010, 26, 9809-9817.	1.6	58
112	A cost-effective method for monitoring airborne particulate matter using tabletop SEM-EDS. , 2010, , .		1
113	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
114	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
115	Cluster and Heterometallic Alkoxide Derivatives of Rhenium and d-Elements of V–VI Groups. Journal of Cluster Science, 2009, 20, 23-36.	1.7	4
116	Methodical Thermolysis of [Ba ₂ Ti ₂ (thd) ₄ (O ⁿ Pr) ₈ (ⁿ PrOH) ₂] under Autogenous Pressure Followed by Combustion for the Synthesis of Dielectric Tetragonal BaTiO ₃ Nanopowder. Chemistry - an Asian Journal, 2009, 4, 1084-1091.	1.7	1
117	Tripodal Tetrahedral Titanium Coordination in the Silica-Grafted Titania Epoxidation Catalysts: Is Not It Only a Myth? Selective Formation of [Cy ₇ Si ₇ O ₁₂ Ti] ₂ (^{1/4} -OR) ₂ (^{1/4} -ROH) Cores on Thermal Dissociation of Alkoxytitanasilsesquioxanes. Inorganic Chemistry, 2009, 48, 9063-9065.		12
118	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
119	Chemically Triggered Biodelivery Using Metal–Organic Sol–Gel Synthesis. Angewandte Chemie - International Edition, 2008, 47, 8506-8509.	7.2	67
120	Substitution features in the isomorphous replacement series for metal-organic compounds (Nb _x Ta _{1-x}) ₄ O ₂ (OMe) ₁₄ (ReO ₄) ₂ , x=0.7, 0.5, 0.3—Single-source precursors of complex oxides with organized porosity. Journal of Solid State Chemistry, 2008, 181, 3294-3302.	1.4	11
121	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
122	Molecular Precursors of Mixed Oxide Materials for Sensor Applications and Molecular Imaging. NATO Science for Peace and Security Series C: Environmental Security, 2008, , 397-403.	0.1	0
123	Heteroleptic metal alkoxide oxoclusters as molecular models for the sol–gel synthesis of perovskite nanoparticles for bio-imaging applications. Dalton Transactions, 2008, , 3412.	1.6	45
124	Photoluminescence investigations of Eu ³⁺ doped BaTiO ₃ nanopowders fabricated using heterometallic tetranuclear alkoxide complexes. Journal of Alloys and Compounds, 2008, 451, 557-562.	2.8	29
125	Electrochemical Synthesis, Structural Characterization, and Decomposition of Rhenium Oxoethoxide, Re ₄ O ₄ (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
126	Synthesis of Nanocrystalline Zirconium Titanate and its Dielectric Properties. Journal of Physical Chemistry C, 2007, 111, 2484-2489.	1.5	29

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127	Molecular structure design of single source precursors and multivariate analysis of their evaporation in dynamic vacuum using EI-Mass spectrometry. An approach to Barium ²⁺ Strontium Titanate ²⁻ Niobate as a case study. <i>Surface and Coatings Technology</i> , 2007, 201, 9082-9088.	2.2	6
128	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 NiZr ₂ (acac)(OiPr) ₉ . <i>Inorganic Chemistry Communication</i> , 2007, 10, 94-96.	1.8	8
129	Synthesis and X-ray single crystal study of niobium and tantalum oxo-ethoxo-perhenates,. <i>Polyhedron</i> , 2007, 26, 862-866.	1.0	10
130	Comparative study of bimetal alkoxo complexes of rhenium, niobium, and tantalum by single-crystal x-ray diffraction and IR spectroscopy. <i>Russian Journal of Inorganic Chemistry</i> , 2007, 52, 1687-1693.	0.3	8
131	Isolation and single crystal study of [Nb ₂ (¹ / ₄ -OMe) ₂ (OiPr) ₈]. Can alcohol interchange provide the homoleptic niobium isopropoxide?. <i>Journal of Sol-Gel Science and Technology</i> , 2007, 43, 105-109.	1.1	11
132	Perovskite thin films grown by direct liquid injection MOCVD. <i>Applied Surface Science</i> , 2007, 253, 9091-9098.	3.1	17
133	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. <i>Journal of Sol-Gel Science and Technology</i> , 2006, 40, 163-179.	1.1	174
134	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. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 1413-1422.	1.0	9
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