

Silvia Gross

List of Publications by Year in descending order

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138
papers

4,641
citations

145106

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139680

61
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138
all docs

138
docs citations

138
times ranked

7958
citing authors

#	ARTICLE	IF	CITATIONS
1	H ₂ S Dosimetry by CuO: Towards Stable Sensors by Unravelling the Underlying Solid-State Chemistry. <i>Chemistry - A European Journal</i> , 2022, 28, e202103437.	1.7	5
2	Impact of inversion and non-stoichiometry on the transport properties of mixed zinc-cobalt ferrites. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2976-2987.	2.7	9
3	Design Principles and Insights into the Liquid-Phase Exfoliation of Alpha-MoO ₃ for the Production of Colloidal 2D Nano-inks in Green Solvents. <i>Journal of Physical Chemistry C</i> , 2022, 126, 404-415.	1.5	2
4	Impact of Different Conductive Polymers on the Performance of the Sulfur Positive Electrode in Li-S Batteries. <i>ACS Applied Energy Materials</i> , 2022, 5, 4861-4876.	2.5	5
5	Pursuing unprecedented anisotropic morphologies of halide-free Pd nanoparticles by tuning their nucleation and growth. <i>Dalton Transactions</i> , 2022, 51, 11476-11484.	1.6	2
6	Thermosensitive "Smart" Surfaces for Biorecognition Based Cell Adhesion and Controlled Detachment. <i>Macromolecular Bioscience</i> , 2021, 21, e2000277.	2.1	5
7	Enabling Circular Economy: The Overlooked Role of Inorganic Materials Chemistry. <i>Chemistry - A European Journal</i> , 2021, 27, 6676-6695.	1.7	6
8	Large Cation Engineering in Two-Dimensional Silver-Bismuth Bromide Double Perovskites. <i>Chemistry of Materials</i> , 2021, 33, 4688-4700.	3.2	25
9	Understanding Oxygen Release from Nanoporous Perovskite Oxides and Its Effect on the Catalytic Oxidation of CH ₄ and CO. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 25483-25492.	4.0	19
10	Dielectric Barrier Discharge (DBD) Plasma Coating of Sulfur for Mitigation of Capacity Fade in Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 28072-28089.	4.0	14
11	Opportunities from Doping of Non-Critical Metal Oxides in Last Generation Light-Conversion Devices. <i>Advanced Energy Materials</i> , 2021, 11, 2101041.	10.2	29
12	Microfluidic Crystallization of Surfactant-Free Doped Zinc Sulfide Nanoparticles for Optical Bioimaging Applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 44074-44087.	4.0	13
13	Frontispiece: Low-Temperature Solution Crystallization of Nanostructured Oxides and Thin Films. <i>Chemistry - A European Journal</i> , 2020, 26, .	1.7	0
14	Low-temperature wet chemistry synthetic approaches towards ferrites. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 3282-3314.	3.0	31
15	Ligand-free ZnS nanoparticles: as easy and green as it gets. <i>Chemical Communications</i> , 2020, 56, 8707-8710.	2.2	7
16	Low-Temperature Solution Crystallization of Nanostructured Oxides and Thin Films. <i>Chemistry - A European Journal</i> , 2020, 26, 9157-9179.	1.7	14
17	In-Depth Study of ZnS Nanoparticle Surface Properties with a Combined Experimental and Theoretical Approach. <i>Journal of Physical Chemistry C</i> , 2020, 124, 7777-7789.	1.5	32
18	Exploring the Phase-Selective, Green, Hydrothermal Synthesis of Upconverting Doped Sodium Yttrium Fluoride: Effects of Temperature, Time, and Precursors. <i>Chemistry - A European Journal</i> , 2019, 25, 13624-13634.	1.7	3

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19	Cobalt and Iron Ions in MgO Nanocrystals: Should They Stay or Should They Go. <i>Journal of Physical Chemistry C</i> , 2019, 123, 25991-26004.	1.5	8
20	Exploring wet chemistry approaches to ZnFe ₂ O ₄ spinel ferrite nanoparticles with different inversion degrees: a comparative study. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1527-1534.	3.0	32
21	Quaternary ferrites by batch and continuous flow hydrothermal synthesis: a comparison. <i>CrystEngComm</i> , 2019, 21, 6801-6809.	1.3	2
22	Thermal stability, electrochemical and structural characterization of hydrothermally synthesised cobalt ferrite (CoFe ₂ O ₄). <i>RSC Advances</i> , 2019, 9, 33282-33289.	1.7	22
23	Easy and Green Route towards Nanostructured ZnO as an Active Sensing Material with Unexpected H ₂ S Dosimeter-type Behaviour. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 837-846.	1.0	4
24	Very fast crystallisation of MFe ₂ O ₄ spinel ferrites (M = Co, Mn, Ni, Zn) under low temperature hydrothermal conditions: a time-resolved structural investigation. <i>Green Chemistry</i> , 2018, 20, 2257-2268.	4.6	25
25	Thermal Evolution of ZnS Nanostructures: Effect of Oxidation Phenomena on Structural Features and Photocatalytical Performances. <i>Inorganic Chemistry</i> , 2018, 57, 13104-13114.	1.9	15
26	Robust and Biocompatible Functionalization of ZnS Nanoparticles by Catechol-Bearing Poly(2-methyl-2-oxazoline)s. <i>Langmuir</i> , 2018, 34, 11534-11543.	1.6	7
27	Colloidally Confined Crystallization of Highly Efficient Ammonium Phosphomolybdate Catalysts. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 23174-23186.	4.0	11
28	Looking at the Future of Chemical Production through the European Roadmap on Science and Technology of Catalysis the EU Effort for a Long-term Vision. <i>ChemCatChem</i> , 2017, 9, 904-909.	1.8	34
29	Pursuing the stabilisation of crystalline nanostructured magnetic manganites through a green low temperature hydrothermal synthesis. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3359-3371.	2.7	15
30	Sustainable and surfactant-free high-throughput synthesis of highly dispersible zirconia nanocrystals. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16296-16306.	5.2	8
31	Synergy of Miniemulsion and Solvothermal Conditions for the Low-Temperature Crystallization of Magnetic Nanostructured Transition-Metal Ferrites. <i>Chemistry of Materials</i> , 2017, 29, 985-997.	3.2	30
32	In Situ Study of the Oxygen-Induced Transformation of Pyrochlore Ce ₂ Zr ₂ O ₇ to the β -Ce ₂ Zr ₂ O ₈ Phase. <i>Chemistry of Materials</i> , 2017, 29, 9218-9226.	3.2	20
33	Stability and Local Environment of Iron in Vapor Phase Grown MgO Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24292-24301.	1.5	10
34	Grand challenges for catalysis in the Science and Technology Roadmap on Catalysis for Europe: moving ahead for a sustainable future. <i>Catalysis Science and Technology</i> , 2017, 7, 5182-5194.	2.1	71
35	Engineering of oxoclusters-reinforced polymeric materials with application as heterogeneous oxydesulfurization catalysts. <i>Applied Catalysis B: Environmental</i> , 2016, 182, 636-644.	10.8	22
36	Synthesis and Physicochemical Characterization of Ce _{1-x} Gd _x O ₂ : A Case Study on the Impact of the Oxygen Storage Capacity on the HCl Oxidation Reaction. <i>ChemCatChem</i> , 2015, 7, 3738-3747.	1.8	16

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37	Very low temperature wet-chemistry colloidal routes for mono- and polymetallic nanosized crystalline inorganic compounds. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 73, 591-604.	1.1	7
38	Room temperature crystallization of highly luminescent lanthanide-doped CaF ₂ in nanosized droplets: first example of the synthesis of metal halogenide in miniemulsion with effective doping and size control. <i>RSC Advances</i> , 2015, 5, 16302-16310.	1.7	27
39	Fenton-like catalytic activity of wet-spun chitosan hollow fibers loaded with Fe ₃ O ₄ nanoparticles: Batch and continuous flow investigations. <i>Journal of Molecular Catalysis A</i> , 2015, 398, 353-357.	4.8	40
40	An Effective Two-Emulsion Approach to the Synthesis of Doped ZnS Crystalline Nanostructures. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 706-714.	1.0	13
41	Synthesis of tripodal catecholates and their immobilization on zinc oxide nanoparticles. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 678-686.	1.3	9
42	Ionic liquid- and surfactant-controlled crystallization of WO ₃ films. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 18138-18145.	1.3	13
43	Ultrastable Suspensions of Polyoxazoline-Functionalized ZnO Single Nanocrystals. <i>Chemistry of Materials</i> , 2015, 27, 2957-2964.	3.2	25
44	Pursuing the Crystallization of Mono- and Polymetallic Nanosized Crystalline Inorganic Compounds by Low-Temperature Wet-Chemistry and Colloidal Routes. <i>Chemical Reviews</i> , 2015, 115, 11449-11502.	23.0	55
45	Hydrolytic Stability and Hydrogen Peroxide Activation of Zirconium-Based Oxoclusters. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 210-225.	1.0	37
46	Hybrid Materials Based on the Embedding of Organically Modified Transition Metal Oxoclusters or Polyoxometalates into Polymers for Functional Applications: A Review. <i>Materials</i> , 2014, 7, 3956-3989.	1.3	101
47	Synthesis of BiVO ₄ /TiO ₂ composites and evaluation of their photocatalytic activity under indoor illumination. <i>Environmental Science and Pollution Research</i> , 2014, 21, 11189-11197.	2.7	24
48	Coprecipitation of Oxalates: An Easy and Reproducible Wet-Chemistry Synthesis Route for Transition-Metal Ferrites. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 875-887.	1.0	30
49	Preparation, characterization and application of iron (III)-loaded chitosan hollow fiber membranes as a new bio-based As (V) sorbent. <i>Journal of Polymer Research</i> , 2014, 21, 1.	1.2	19
50	Hierarchically Organized Silica-Titania Monoliths Prepared under Purely Aqueous Conditions. <i>Chemistry - A European Journal</i> , 2014, 20, 17409-17419.	1.7	9
51	Effects of atmospheric pressure plasma JET treatment on aluminium alloys. <i>Surface Engineering</i> , 2014, 30, 636-642.	1.1	9
52	Simple, common but functional: biocompatible and luminescent rare-earth doped magnesium and calcium hydroxides from miniemulsion. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6639-6651.	2.9	10
53	Effect of process parameters of plasma electrolytic oxidation on microstructure and corrosion properties of magnesium alloys. <i>Journal of Applied Electrochemistry</i> , 2014, 44, 867-879.	1.5	28
54	Green and low temperature synthesis of nanocrystalline transition metal ferrites by simple wet chemistry routes. <i>Nano Research</i> , 2014, 7, 1027-1042.	5.8	69

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55	Inorganic chemistry in a nanoreactor: Au/TiO ₂ nanocomposites by photolysis of a single-source precursor in miniemulsion. <i>Nanoscale</i> , 2013, 5, 10534.	2.8	21
56	Colloidal systems for crystallization processes from liquid phase. <i>CrystEngComm</i> , 2013, 15, 2175.	1.3	44
57	Surface Decoration of MgO Nanocubes with Sulfur Oxides: Experiment and Theory. <i>Journal of Physical Chemistry C</i> , 2013, 117, 7727-7735.	1.5	15
58	Inorganic Chemistry in a Nanoreactor: Doped ZnO Nanostructures by Miniemulsion. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2291-2300.	1.0	19
59	Miniemulsions as chemical nanoreactors for the room temperature synthesis of inorganic crystalline nanostructures: ZnO colloids. <i>Journal of Materials Chemistry</i> , 2012, 22, 1620-1626.	6.7	40
60	Highly crystalline strontium ferrites SrFeO ₃ ·xH ₂ O: an easy and effective wet-chemistry synthesis. <i>Dalton Transactions</i> , 2012, 41, 5517.	1.6	32
61	A Series of Isorecticular, Highly Stable, Porous Zirconium Oxide Based Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9267-9271.	7.2	407
62	Surfactant-Induced Nonhydrolytic Synthesis of Phase-Pure ZrO ₂ Nanoparticles from Metal-Organic and Oxocluster Precursors. <i>Chemistry of Materials</i> , 2012, 24, 4274-4282.	3.2	26
63	Three-components organic-inorganic hybrid materials as protective coatings for wood: Optimisation, synthesis, and characterisation. <i>Progress in Organic Coatings</i> , 2012, 74, 479-490.	1.9	26
64	Oxocluster-reinforced organic-inorganic hybrid materials: effect of transition metal oxoclusters on structural and functional properties. <i>Journal of Materials Chemistry</i> , 2011, 21, 15853.	6.7	56
65	From Thioxo Cluster to Dithio Cluster: Exploring the Chemistry of Polynuclear Zirconium Complexes with S ₂ O and S ₂ S Ligands. <i>Inorganic Chemistry</i> , 2011, 50, 489-502.	1.9	6
66	Mesoporous tin-doped indium oxide thin films: effect of mesostructure on electrical conductivity. <i>Science and Technology of Advanced Materials</i> , 2011, 12, 025005.	2.8	61
67	Sol-gel derived silica-based organic-inorganic hybrid materials as composite precursors for the synthesis of highly homogeneous nanostructured mixed oxides: an overview. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 60, 283-298.	1.1	19
68	A Tetranuclear Planar Hafnium Complex Containing O-Hf-S Moieties. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 3281-3283.	1.0	5
69	Combined use of XAFS, XRD and TEM to unravel the microstructural evolution of nanostructured ZrO ₂ -SiO ₂ binary oxides: from nanometres down to the molecular domain. <i>CrystEngComm</i> , 2010, 12, 1639.	1.3	19
70	EXAFS as Powerful Analytical Tool for the Investigation of Organic-Inorganic Hybrid Materials. <i>Advanced Functional Materials</i> , 2010, 20, 4026-4047.	7.8	33
71	Sustainable nitrogen-doped carbonaceous materials from biomass derivatives. <i>Carbon</i> , 2010, 48, 3778-3787.	5.4	361
72	A zirconium methacrylate oxocluster as precursor for the low-temperature synthesis of porous zirconium dicarboxylates. <i>Chemical Communications</i> , 2010, 46, 767-769.	2.2	243

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73	Molecular, Electronic, and Crystal Structures of Self-Assembled Hydrothermally Synthesized Zn(II)-Mercaptopicotinate: A Combined Spectroscopic and Theoretical Approach. <i>Inorganic Chemistry</i> , 2010, 49, 4099-4108.	1.9	13
74	Photocatalytic performances of mesoporous TiO ₂ films doped with gold clusters. <i>Journal of Materials Chemistry</i> , 2010, 20, 2831.	6.7	36
75	Alkyl chain grafting on silica-zirconia mixed oxides: preparation and characterization. <i>Journal of Materials Chemistry</i> , 2010, 20, 2345.	6.7	5
76	Re-investigation of the thermal decomposition of Co(CO) ₄ SiCl ₃ adsorbed on silica. <i>Chemical Communications</i> , 2010, 46, 8549.	2.2	11
77	Functional Chromium Wheel-Based Hybrid Organic-Inorganic Materials for Dielectric Applications. <i>Advanced Functional Materials</i> , 2009, 19, 3226-3236.	7.8	19
78	Nanostructured Copper Oxide on Silica-Zirconia Mixed Oxides by Chemical Implantation. <i>Chemistry - A European Journal</i> , 2009, 15, 4931-4943.	1.7	18
79	Facile and Reproducible Synthesis of Nanostructured Colloidal ZnO Nanoparticles from Zinc Acetylacetonate: Effect of Experimental Parameters and Mechanistic Investigations. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 5017-5028.	1.0	40
80	Synthesis and Characterisation of a New Cu(O ₂ CNAllyl) ₂ Carbamato Complex and an Unusual Polymeric CuI Complex [Cu ₄ Cl ₄ (NHAllyl) ₂] _n : New Insights into Metal Carbamato Chemistry. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 5346-5351.	1.0	5
81	IR and NMR time-resolved studies on the hydrolysis and condensation of methacryloxyalkylsilanes. <i>Journal of Sol-Gel Science and Technology</i> , 2009, 49, 329-335.	1.1	12
82	Photocatalytic nitrate reduction over metal modified TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2009, 85, 192-200.	10.8	181
83	Silica-zirconia mixed oxide samples by an hybrid materials based innovative preparation procedure: Influence of preparation procedure and composition on active sites. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 481-487.	1.5	6
84	Low-temperature synthesis and characterization of TiO ₂ and TiO ₂ -ZrO ₂ photocatalytically active thin films. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 657-662.	1.6	20
85	Surface Functionalization with Phosphazenes: Part 6. Modification of Polyethylene-Co-Polyvinylalcohol Copolymer Surface Plates with Fluorinated Alcohols and Azobenzene Derivatives Using Chlorinated Phosphazenes as Coupling Agents. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2008, 18, 344-351.	1.9	12
86	Ordered Mesoporous Thin Films of Rutile TiO ₂ Nanocrystals Mixed with Amorphous Ta ₂ O ₅ . <i>ChemPhysChem</i> , 2008, 9, 748-757.	1.0	26
87	UV-photopolymerisation of poly(methyl methacrylate)-based inorganic-organic hybrid coatings and bulk samples reinforced with methacrylate-modified zirconium oxocluster. <i>Polymer</i> , 2008, 49, 4332-4343.	1.8	38
88	Dependence of calibration sensitivity of a polysulfone/Ru(II)-Tris(4,7-diphenyl-1,10-phenanthroline)-based oxygen optical sensor on its structural parameters. <i>Analytica Chimica Acta</i> , 2008, 627, 239-246.	2.6	19
89	Inorganic-organic hybrid materials with zirconium oxoclusters as protective coatings on aluminium alloys. <i>Progress in Organic Coatings</i> , 2008, 62, 376-381.	1.9	31
90	IL-assisted synthesis of V ₂ O ₅ nanocomposites and VO ₂ nanosheets. <i>Journal of Materials Chemistry</i> , 2008, 18, 5761.	6.7	38

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91	Mechanistic Studies on the Nucleation of Zinc Sulphide Nanoparticles by Means of XAFS Spectroscopy. <i>Zeitschrift Fur Physikalische Chemie</i> , 2008, 222, 655-669.	1.4	4
92	Dielectric low-k composite films based on PMMA, PVC and methylsiloxane-silica: Synthesis, characterization and electrical properties. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 2878-2888.	1.5	26
93	Hybrid Organic-Inorganic Nanostructured Acrylic Films Based on Methacrylate Modified Zirconium Oxocluster. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 1730-1736.	1.1	16
94	γ-Mercapto-functionalized hafnium- and zirconium-oxoclusters as nanosized building blocks for inorganic-organic hybrid materials: synthesis, characterization and photothiol-ene polymerization. <i>Journal of Materials Chemistry</i> , 2007, 17, 3297.	6.7	43
95	Pt and Ni Carbon Nitride Electrocatalysts for the Oxygen Reduction Reaction. <i>Journal of the Electrochemical Society</i> , 2007, 154, B745.	1.3	31
96	New Methacrylate-Functionalized Ba and Ba-Ti Oxoclusters as Potential Nanosized Building Blocks for Inorganic-Organic Hybrid Materials: Synthesis and Characterization. <i>Inorganic Chemistry</i> , 2007, 46, 3459-3466.	1.9	23
97	Structural Investigations on the Hydrolysis and Condensation Behavior of Pure and Chemically Modified Alkoxides. 1. Transition Metal (Hf and Ta) Alkoxides. <i>Journal of Physical Chemistry B</i> , 2007, 111, 7501-7518.	1.2	16
98	Effect of microwave assisted and conventional thermal heating on the evolution of nanostructured inorganic-organic hybrid materials to binary ZrO ₂ -SiO ₂ oxides. <i>Journal of Materials Chemistry</i> , 2007, 17, 4387.	6.7	15
99	Structural Investigations on the Hydrolysis and Condensation Behavior of Pure and Chemically Modified Alkoxides. 2. Germanium Alkoxides. <i>Journal of Physical Chemistry B</i> , 2007, 111, 7519-7528.	1.2	14
100	Carbon paramagnetic defects in silica sol-gel prepared materials. <i>Molecular Physics</i> , 2007, 105, 2177-2183.	0.8	3
101	Highly Dispersed Mixed Zirconia and Hafnia Nanoparticles in a Silica Matrix: First Example of a ZrO ₂ -HfO ₂ -SiO ₂ Ternary Oxide System. <i>Advanced Functional Materials</i> , 2007, 17, 1671-1681.	7.8	42
102	A Pt-Fe Carbon Nitride Nano-electrocatalyst for Polymer Electrolyte Membrane Fuel Cells and Direct Methanol Fuel Cells: Synthesis, Characterization, and Electrochemical Studies. <i>Advanced Functional Materials</i> , 2007, 17, 3626-3638.	7.8	73
103	Hafnium Oxide Doped Mesoporous Silica Films. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 2797-2802.	1.0	7
104	Thiol-ene Hybrid Organic/Inorganic Nanostructured Coatings Based on Thiol-Functionalized Zirconium Oxoclusters. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 2560-2568.	1.1	32
105	Chemical optimisation of a sol-gel procedure for the development of fluorescence Cu(II) nanosensors. <i>Applied Surface Science</i> , 2007, 253, 7178-7187.	3.1	7
106	PMMA: A key macromolecular component for dielectric low- ϵ hybrid inorganic-organic polymer films. <i>European Polymer Journal</i> , 2007, 43, 673-696.	2.6	172
107	Pd-Co carbon-nitride electrocatalysts for polymer electrolyte fuel cells. <i>Electrochimica Acta</i> , 2007, 53, 1604-1617.	2.6	58
108	Structural Evolution upon Thermal Heating of Nanostructured Inorganic-Organic Hybrid Materials to Binary Oxides MO ₂ -SiO ₂ (M = Hf, Zr) as Evaluated by Solid-State NMR and FTIR Spectroscopy. <i>Chemistry of Materials</i> , 2006, 18, 6019-6030.	3.2	43

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109	Polymerization processes in Al(OBus)3 sol-gel solutions: an investigation by laser desorption/ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 2681-2688.	0.7	2
110	Recent trends on nanocomposites based on Cu, Ag and Au clusters: A closer look. <i>Coordination Chemistry Reviews</i> , 2006, 250, 1294-1314.	9.5	185
111	Photocatalytic TiO2 Coatings: Effect of Substrate and Template. <i>Monatshefte FÃ¼r Chemie</i> , 2006, 137, 647-655.	0.9	33
112	Metal Oxoclusters as Molecular Building Blocks for the Development of Nanostructured Inorganic-Organic Hybrid Thin Films. <i>Monatshefte FÃ¼r Chemie</i> , 2006, 137, 583-593.	0.9	15
113	Photocatalytically active TiO2 thin films produced by surfactant-assisted sol-gel processing. <i>Thin Solid Films</i> , 2006, 495, 327-332.	0.8	88
114	Synthesis and characterization of orthorhombic, 2d-centered rectangular and lamellar iron oxide doped silica films. <i>Journal of Materials Chemistry</i> , 2006, 16, 4443-4453.	6.7	15
115	Preparation of TaN Thin Film by H2 Plasma Assisted Atomic Layer Deposition Using Tert-Butylimino-Tris-Ethylmethylamino Tantalum. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 3392-3395.	0.9	9
116	Effect of the reducing step on the properties of Pd-Cu bimetallic catalysts used for denitration. <i>Applied Catalysis A: General</i> , 2005, 294, 226-234.	2.2	50
117	Thiophenolate clusters as potential nanosized building blocks for zinc-based nanocomposite materials: synthesis and characterization. <i>Inorganica Chimica Acta</i> , 2005, 358, 2739-2748.	1.2	8
118	Er3+-doped SiO2-Al2O3 thin films prepared by the sol-gel route. <i>Surface and Coatings Technology</i> , 2005, 190, 218-222.	2.2	23
119	Ion-, photoelectron- and laser-assisted analytical investigation of nano-structured mixed HfO2-SiO2 and ZrO2-SiO2 thin films. <i>Applied Surface Science</i> , 2005, 249, 277-294.	3.1	24
120	Inorganic-Organic Hybrid Polymers from the Polymerisation of Methacrylate-Substituted Oxotantalum Clusters with Methylmethacrylate: A Thermomechanical and Spectroscopic Study. <i>Journal of Sol-Gel Science and Technology</i> , 2005, 33, 39-45.	1.1	9
121	Zirconium and hafnium oxoclusters as molecular building blocks for highly dispersed ZrO2 or HfO2 nanoparticles in silica thin films. <i>Journal of Materials Chemistry</i> , 2005, 15, 1838.	6.7	57
122	Structural evolution and effects of calcium doping on nanophasic LaCoO3 powders prepared by non-alkoxidic sol-gel technique. <i>Journal of Materials Chemistry</i> , 2005, 15, 2020.	6.7	10
123	Zr and Hf oxoclusters as building blocks for the preparation of nanostructured hybrid materials and binary oxides MO2-SiO2 (M = Hf, Zr). <i>Journal of Materials Chemistry</i> , 2005, 15, 1954.	6.7	28
124	Turning Fluorescent Dyes into Cu(II) Nanosensors. <i>Langmuir</i> , 2005, 21, 9314-9321.	1.6	58
125	Sol-gel synthesis of Zn-thiourea-SiO2 thin films from (EtO)3Si(CH2)3NHC(S)NHPh as molecular precursor. <i>Solid State Sciences</i> , 2004, 6, 1287-1294.	1.5	5
126	Investigation of thiourea-silanes as viable precursors for the sol-gel synthesis of composites containing Zn-S complexes. <i>Applied Surface Science</i> , 2004, 226, 144-148.	3.1	8

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127	Embedding of electroluminescent ZnS:Cu phosphors in PMMA matrix by polymerization of particle suspension in MMA monomer. <i>Journal of Non-Crystalline Solids</i> , 2004, 345-346, 402-406.	1.5	6
128	NiO-SiO ₂ Sol-Gel Nanocomposite Films for Optical Gas Sensor. <i>Journal of Sol-Gel Science and Technology</i> , 2003, 26, 993-996.	1.1	49
129	Construction and Characterization of Ru(II)Tris(bipyridine)-Based Silica Thin Film Electrochemiluminescent Sensors. <i>Electroanalysis</i> , 2003, 15, 803-811.	1.5	26
130	Transition metal oxide-doped mesostructured silica films. <i>Applied Catalysis A: General</i> , 2003, 254, 297-310.	2.2	21
131	Dielectric investigation of inorganic-organic hybrid film based on zirconium oxocluster-crosslinked PMMA. <i>Journal of Non-Crystalline Solids</i> , 2003, 322, 154-159.	1.5	42
132	Chemical and physical routes for composite materials synthesis: Ag and Ag ₂ S nanoparticles in silica glass by sol-gel and ion implantation techniques. <i>Journal of Materials Chemistry</i> , 2002, 12, 2401-2407.	6.7	49
133	Study of polycondensation reactions of Ge(OEt) ₄ and Ge(OEt) ₄ /Si(OEt) ₄ by electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 733-737.	0.7	7
134	Inorganic-organic hybrid materials from poly(methylmethacrylate) crosslinked by an organically modified oxozirconium cluster. Synthesis and characterization. <i>Polymers for Advanced Technologies</i> , 2002, 13, 254-259.	1.6	24
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