Goran DraÅ¾iÄ

List of Publications by Year
in descending order

160 papers	6,863 citations	53660 45 h-index	79541 73 g-index
161 all docs	161 docs citations	161 times ranked	10460 citing authors

#	Article	IF	Citations
1	Insight into the Growth Mechanism and Photocatalytic Behavior of Tubular Hierarchical ZnO Structures: An Integrated Experimental and Theoretical Approach. Inorganic Chemistry, 2022, 61, 2962-2979.	1.9	10
2	Ferroelectric bismuth-titanate nanoplatelets and nanowires with a new crystal structure. Nanoscale, 2022, 14, 3537-3544.	2.8	5
3	Design and degradation of permanently porous vitamin C and zinc-based metal-organic framework. Communications Chemistry, 2022, 5, .	2.0	4
4	Revealing the Pb Whisker Growth Mechanism from Al-Alloy Surface and Morphological Dependency on Material Stress and Growth Environment. Materials, 2022, 15, 2574.	1.3	2
5	Understanding the Crucial Significance of the Temperature and Potential Window on the Stability of Carbon Supported Pt-Alloy Nanoparticles as Oxygen Reduction Reaction Electrocatalysts. ACS Catalysis, 2022, 12, 101-115.	5.5	38
6	Insight into the interdependence of Ni and Al in bifunctional Ni/ZSM-5 catalysts at the nanoscale. Nanoscale Advances, 2022, 4, 2321-2331.	2.2	3
7	Identification of durable and non-durable FeNx sites in Feâ€“Nâ€“C materials for proton exchange membrane fuel cells. Nature Catalysis, 2021, 4, 10-19.	16.1	368
8	Atomically resolved structure of step-like uncharged and charged domain walls in polycrystalline BiFeO3. Journal of Applied Physics, 2021, 129, 054102.	1.1	6
9	Atomic scale symmetry and polar nanoclusters in the paraelectric phase of ferroelectric materials. Nature Communications, 2021, 12, 3509.	5.8	51
10	3D networks of nanopores in alumina: Structural and optical properties. Microporous and Mesoporous Materials, 2021, 325, 111306.	2.2	2
11	Influence of Growth Defects on the Oxidation Resistance of Sputter-Deposited TiAlN Hard Coatings. Coatings, 2021, 11, 123.	1.2	9
12	Toward the Continuous Production of Multigram Quantities of Highly Uniform Supported Metallic Nanoparticles and Their Application for Synthesis of Superior Intermetallic Pt-Alloy ORR Electrocatalysts. ACS Applied Energy Materials, 2021, 4, 13819-13829.	2.5	21
13	Solid-State Dispersions of Platinum in the SnO2 and Fe2O3 Nanomaterials. Nanomaterials, 2021, 11, 3349.	1.9	2
14	Impact of packaging properties on the physicalâ€chemicalâ€microbiologicalâ€sensory characteristics of Ricotta cheese during storage. Packaging Technology and Science, 2020, 33, 27-37.	1.3	2
15	Characterization of radiolytically synthesized feroxyhyte and oxidized magnetite nanoparticles. Materials Characterization, 2020, 159, 110038.	1.9	6
16	Efficient removal of parabens from real water matrices by a metal-free carbon nitride photocatalyst. Science of the Total Environment, 2020, 716, 135346.	3.9	37
17	Connecting the Multiscale Structure with Macroscopic Response of Relaxor Ferroelectrics. Advanced Functional Materials, 2020, 30, 2006823.	7.8	34
18	Multi-stoichiometric quasi-two-dimensional W_nO_{3nâ^'1} tungsten oxides. Nanoscale, 2020, 12, 15102-15114.	2.8	12

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19	Synergistic effect of CuO nanocrystals and Cu-oxo-Fe clusters on silica support in promotion of total catalytic oxidation of toluene as a model volatile organic air pollutant. Applied Catalysis B: Environmental, 2020, 268, 118749.	10.8	63
20	A comparative study of hydrothermally derived Mn, Fe, Co, Ni, Cu and Zn doped ceria nanocatalysts. Materials Chemistry and Physics, 2020, 244, 122689.	2.0	18
21	Hummersâ€™ and Brodieâ€™s graphene oxides as photocatalysts for phenol degradation. Journal of Colloid and Interface Science, 2020, 567, 243-255.	5.0	49
22	Domain-wall pinning and defect ordering in BiFeO3 probed on the atomic and nanoscale. Nature Communications, 2020, 11, 1762.	5.8	47
23	Evolution of Surface Catalytic Sites on Bimetal Silica-Based Fenton-Like Catalysts for Degradation of Dyes with Different Molecular Charges. Nanomaterials, 2020, 10, 2419.	1.9	6
24	Methodology for Investigating Electrochemical Gas Evolution Reactions: Floating Electrode as a Means for Effective Gas Bubble Removal. Analytical Chemistry, 2019, 91, 10353-10356.	3.2	22
25	Tuning the Selectivity and Activity of Electrochemical Interfaces with Defective Graphene Oxide and Reduced Graphene Oxide. ACS Applied Materials & Interfaces, 2019, 11, 34517-34525.	4.0	29
26	Insights into thermal annealing of highly-active PtCu3/C Oxygen Reduction Reaction electrocatalyst: An in-situ heating transmission Electron microscopy study. Nano Energy, 2019, 63, 103892.	8.2	41
27	Lateral inhomogeneities in W/C multilayer mirrors. Thin Solid Films, 2019, 691, 137611.	0.8	1
28	Visible-light-induced self-cleaning functional fabrics using graphene oxide/carbon nitride materials. Applied Surface Science, 2019, 497, 143757.	3.1	27
29	Incorporation of Sc into the structure of barium-hexaferrite nanoplatelets and its extraordinary finite-size effect on the magnetic properties. Acta Materialia, 2019, 172, 84-91.	3.8	24
30	Atomically Resolved Anisotropic Electrochemical Shaping of Nano-electrocatalyst. Nano Letters, 2019, 19, 4919-4927.	4.5	33
31	Biofouling of stainless steel surfaces by four common pathogens: the effects of glucose concentration, temperature and surface roughness. Biofouling, 2019, 35, 273-283.	0.8	22
32	Synthesis of a Cu/ZnO Nanocomposite by Electroless Plating for the Catalytic Conversion of CO2 to Methanol. Catalysis Letters, 2019, 149, 1427-1439.	1.4	14
33	Low-temperature V-oxide film for a flexible electrochromic device: Comparison of its electrochromic, IR and Raman properties to those of a crystalline V2O5 film. Solar Energy Materials and Solar Cells, 2019, 196, 185-199.	3.0	24
34	Influence of Structure on Electronic Charge Transport in 3D Ge Nanowire Networks in an Alumina Matrix. Scientific Reports, 2019, 9, 5432.	1.6	4
35	Discovery of a FeCoNiPdCu Highâ€Entropy Alloy with Excellent Magnetic Softness. Advanced Engineering Materials, 2019, 21, 1801055.	1.6	24
36	The Challenge of Achieving a High Density of Fe-Based Active Sites in a Highly Graphitic Carbon Matrix. Catalysts, 2019, 9, 144.	1.6	22

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37	Metal-free graphene-based catalytic membrane for degradation of organic contaminants by persulfate activation. Chemical Engineering Journal, 2019, 369, 223-232.	6.6	104
38	Experimental quantification of the Fe-valence state at amosite-asbestos boundaries using acSTEM dual-electron energy-loss spectroscopy. American Mineralogist, 2019, 104, 1820-1828.	0.9	8
39	Magnetic oxygen stored in quasi-1D form within BaAl2O4 lattice. Scientific Reports, 2019, 9, 15158.	1.6	10
40	Impact of Fe(III) ions on the structural and optical properties of anatase-type solid solutions. Journal of Molecular Structure, 2019, 1179, 354-365.	1.8	4
41	How cancer cells attach to urinary bladder epithelium in vivo: study of the early stages of tumorigenesis in an orthotopic mouse bladder tumor model. Histochemistry and Cell Biology, 2019, 151, 263-273.	0.8	8
42	Untwinned <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>YBa</mml:mi><mml:mn>2</mml:mn></mml mathvariant="normal">O</mml:mi><mml:mrow><mml:mn>7</mml:mn><mml:mo>â^'</mml:mo><mml:mi>Î´</mml:mi></mml:mrow></ thin films on MgO substrates: A platform to study strain effects on the local orders in cuprates. Physical Review Materials, 2019, 3, .	0.0	9
43	Diketopyrrolopyrrole pigment core@multi-layer SiO2 shell with improved photochemical stability. Dyes and Pigments, 2018, 156, 108-115.	2.0	5
44	Charge Properties of TiO₂ Nanotubes in NaNO₃ Aqueous Solution. ACS Applied Materials & Interfaces, 2018, 10, 13130-13142.	4.0	15
45	Surface modified titanium dioxide using transition metals: nickel as a winning transition metal for solar light photocatalysis. Journal of Materials Chemistry A, 2018, 6, 9882-9892.	5.2	43
46	Electrochemical behavior of Bi₄B₂O₉towards lithium-reversible conversion reactions without nanosizing. Physical Chemistry Chemical Physics, 2018, 20, 2330-2338.	1.3	9
47	In situ tribochemical sulfurization of molybdenum oxide nanotubes. Nanoscale, 2018, 10, 3281-3290.	2.8	29
48	Titania versus zinc oxide nanoparticles on mesoporous silica supports as photocatalysts for removal of dyes from wastewater at neutral pH. Catalysis Today, 2018, 310, 32-41.	2.2	89
49	Twinning and charge compensation in Nb2O5â€“doped SnO2â€“CoO ceramics exhibiting promising varistor characteristics. Ceramics International, 2018, 44, 1603-1613.	2.3	18
50	The Achilles' heel of iron-based catalysts during oxygen reduction in an acidic medium. Energy and Environmental Science, 2018, 11, 3176-3182.	15.6	332
51	Polyelectrolyte-Coated Cerium Oxide Nanoparticles: Insights into Adsorption Process. Journal of Physical Chemistry C, 2018, 122, 27323-27330.	1.5	8
52	Conversion of Palmitic Acid Over Bi-functional Ni/ZSM-5 Catalyst: Effect of Stoichiometric Ni/Al Molar Ratio. Topics in Catalysis, 2018, 61, 1757-1768.	1.3	32
53	Syntheses of gold nanoparticles and their impact on the cell cycle in breast cancer cells subjected to megavoltage X-ray irradiation. Materials Science and Engineering C, 2018, 91, 486-495.	3.8	10
54	Î²â€Cyclodextrin as a Precursor to Holey Câ€Doped gâ€C₃N₄ Nanosheets for Photocatalytic Hydrogen Generation. ChemSusChem, 2018, 11, 2681-2694.	3.6	92

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55	Vapor-Phase Hydrogenation of Levulinic Acid to Î³-Valerolactone Over Bi-Functional Ni/HZSM-5 Catalyst. Frontiers in Chemistry, 2018, 6, 285.	1.8	30
56	Multifunctional graphene-based magnetic nanocarriers for combined hyperthermia and dual stimuli-responsive drug delivery. Materials Science and Engineering C, 2018, 93, 206-217.	3.8	56
57	Surface deposited one-dimensional copper-doped TiO2 nanomaterials for prevention of health care acquired infections. PLoS ONE, 2018, 13, e0201490.	1.1	10
58	Selective Production of Benzaldehyde Using Metalâ€Free Reduced Graphene Oxide/Carbon Nitride Hybrid Photocatalysts. ChemistrySelect, 2018, 3, 8070-8081.	0.7	14
59	Discrete evolution of the crystal structure during the growth of Ba-hexaferrite nanoplatelets. Nanoscale, 2018, 10, 14480-14491.	2.8	27
60	Corrosion Protection of Platinum-Based Electrocatalyst by Ruthenium Surface Decoration. ACS Applied Energy Materials, 2018, 1, 3190-3197.	2.5	5
61	Structural stabilization and characterization of active peroxo species on TiO2-nanotube based materials in mild catalytic wet peroxide oxidation process. Applied Catalysis A: General, 2018, 562, 276-283.	2.2	6
62	Graphene nanoplatelets as an anticorrosion additive for solar absorber coatings. Solar Energy Materials and Solar Cells, 2018, 176, 19-29.	3.0	68
63	Hydrothermal synthesis of Mn-doped TiO2 with a strongly suppressed photocatalytic activity. Materiali in Tehnologije, 2018, 52, 411-416.	0.3	4
64	Donor doping of K 0.5 Na 0.5 NbO 3 ceramics with strontium and its implications to grain size, phase composition and crystal structure. Journal of the European Ceramic Society, 2017, 37, 2073-2082.	2.8	47
65	New insights into the toxicity of mineral fibres: A combined in situ synchrotron Î¼-XRD and HR-TEM study of chrysotile, crocidolite, and erionite fibres found in the tissues of Sprague-Dawley rats. Toxicology Letters, 2017, 274, 20-30.	0.4	14
66	COx-free hydrogen production via decomposition of ammonia over Cuâ€“Zn-based heterogeneous catalysts and their activity/stability. Applied Catalysis B: Environmental, 2017, 211, 57-67.	10.8	74
67	Effects of Li+ co-doping on properties of Eu3+ activated TiO2 anatase nanoparticles. Optical Materials, 2017, 72, 316-322.	1.7	14
68	Bacterial adhesion capacity on food service contact surfaces. International Journal of Environmental Health Research, 2017, 27, 169-178.	1.3	13
69	Characterisation of food contact non-stick coatings containing TiO₂ nanoparticles and study of their possible release into food. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2017, 34, 421-433.	1.1	30
70	Impact of cadmium and phosphate ions on the hematite nanorings formation. Journal of Molecular Structure, 2017, 1140, 113-121.	1.8	7
71	A TiO2-nanotubes-based coil-type microreactor for highly efficient photoelectrocatalytic degradation of organic compounds. Journal of Industrial and Engineering Chemistry, 2017, 47, 384-390.	2.9	16
72	Novel Ba-hexaferrite structural variations stabilized on the nanoscale as building blocks for epitaxial bi-magnetic hard/soft sandwiched maghemite/hexaferrite/maghemite nanoplatelets with out-of-plane easy axis and enhanced magnetization. Nanoscale, 2017, 9, 17551-17560.	2.8	16

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73	Conformal Carbon Nitride Coating as an Efficient Hole Extraction Layer for ZnO Nanowiresâ€Based Photoelectrochemical Cells. Advanced Materials Interfaces, 2017, 4, 1700924.	1.9	26
74	Micro-sectoriality in hydrothermally grown ruby crystals: the internal structure of the boundaries of the growth sectors. CrystEngComm, 2017, 19, 6594-6601.	1.3	4
75	The Influence of Ethanolamines on the Solvothermal Synthesis of Zinc Oxide: A Combined Experimental and Theoretical Study. ChemistrySelect, 2017, 2, 10038-10049.	0.7	15
76	Transport properties of ultrathin <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>YBa</mml:mi><mml:mn>2</mml:mn></mml mathvariant="normal">O</mml:mi><mml:mrow><mml:mn>7</mml:mn><mml:mo>â^'</mml:mo><mml:mi>Î´</mml:mi></mml:mrow></ nanowires: A route to single-photon detection. Physical Review B, 2017, 96, .	1.1	37
77	Simultaneous enhancement of natural sunlight- and artificial UV-driven photocatalytic activity of a mechanically activated ZnO/SnO₂ composite. RSC Advances, 2017, 7, 42725-42737.	1.7	28
78	The role of thermal analysis in optimization of electrochromic effect of nickel oxide thin films, prepared by the sol-gel method: Part III. Thermochimica Acta, 2017, 655, 344-350.	1.2	9
79	Domain-wall conduction in ferroelectric BiFeO3 controlled by accumulation of charged defects. Nature Materials, 2017, 16, 322-327.	13.3	288
80	Synthesis of ZnO particles using water molecules generated in esterification reaction. Journal of Molecular Structure, 2017, 1140, 12-18.	1.8	13
81	Peroxo and gold modified titanium nanotubes for effective removal of methyl orange with CWPO under ambient conditions. Catalysis Today, 2017, 280, 155-164.	2.2	10
82	Hydrothermal growth of iron oxide NPs with a uniform size distribution for magnetically induced hyperthermia: Structural, colloidal and magnetic properties. Journal of Alloys and Compounds, 2017, 694, 261-271.	2.8	50
83	Influence of Polyelectrolyte Multilayer Properties on Bacterial Adhesion Capacity. Polymers, 2016, 8, 345.	2.0	39
84	Atomically Resolved Dealloying of Structurally Ordered Pt Nanoalloy as an Oxygen Reduction Reaction Electrocatalyst. ACS Catalysis, 2016, 6, 5530-5534.	5.5	65
85	Neodymiumâ€Based Stoichiometric Ultrasmall Nanoparticles for Multifunctional Deepâ€Tissue Photothermal Therapy. Advanced Optical Materials, 2016, 4, 782-789.	3.6	73
86	Modification of semiconductor or metal nanoparticle lattices in amorphous alumina by MeV heavy ions. New Journal of Physics, 2016, 18, 093032.	1.2	6
87	Enhanced photoredox chemistry in surface-modified Mg₂TiO₄ nano-powders with bidentate benzene derivatives. RSC Advances, 2016, 6, 94780-94786.	1.7	18
88	Effects of natural antimicrobials on bacterial cell hydrophobicity, adhesion, and zeta potential / Vpliv naravnih protimikrobnih snovi na bakterijsko hidrofobnost, adhezijo in zeta potencial. Arhiv Za Higijenu Rada I Toksikologiju, 2016, 67, 39-45.	0.4	34
89	Structural and dielectric properties of hydrothermally prepared boehmite coatings on an aluminium foil. Journal of Materials Science: Materials in Electronics, 2016, 27, 10221-10225.	1.1	6
90	Transition metal pairs on ceria-promoted, ordered mesoporous alumina as catalysts for the CO2 reforming reaction of methane. Catalysis Science and Technology, 2016, 6, 3797-3805.	2.1	22

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91	Coiled-coil forming peptides for the induction of silver nanoparticles. Biochemical and Biophysical Research Communications, 2016, 472, 566-571.	1.0	8
92	Synthesis route to Î´-FeOOH nanodiscs. Materials Letters, 2016, 173, 55-59.	1.3	29
93	Metal surface characteristics dictate bacterial adhesion capacity. International Journal of Adhesion and Adhesives, 2016, 68, 39-46.	1.4	70
94	Synthesis of gold nanoparticles under highly oxidizing conditions. Gold Bulletin, 2016, 49, 21-33.	1.1	12
95	Simple synthesis of anatase/rutile/brookite TiO2 nanocomposite with superior mineralization potential for photocatalytic degradation of water pollutants. Applied Catalysis B: Environmental, 2016, 181, 465-474.	10.8	151
96	Laccase immobilization over multi-walled carbon nanotubes: Kinetic, thermodynamic and stability studies. Journal of Colloid and Interface Science, 2015, 454, 52-60.	5.0	174
97	Deep-Red Emitting Mn4+ Doped Mg2TiO4 Nanoparticles. Journal of Physical Chemistry C, 2015, 119, 724-730.	1.5	78
98	Intermixing and phase transformations in Al/Ti multilayer system induced by picosecond laser beam. Thin Solid Films, 2015, 591, 357-362.	0.8	6
99	Singular Structural and Electrochemical Properties in Highly Defective LiFePO₄ Powders. Chemistry of Materials, 2015, 27, 4261-4273.	3.2	43
100	Unusual structural-disorder stability of mechanochemically derived-Pb(Sc0.5Nb0.5)O3. Journal of Materials Chemistry C, 2015, 3, 10309-10315.	2.7	15
101	Fluorinated Reduced Graphene Oxide as an Interlayer in Liâ€“S Batteries. Chemistry of Materials, 2015, 27, 7070-7081.	3.2	124
102	Solvothermal synthesis of zinc oxide microspheres. Journal of Alloys and Compounds, 2015, 652, 91-99.	2.8	46
103	Composition and structure of NiAu nanoparticles formed by laser ablation of Ni target in Au colloidal solution. Materials Chemistry and Physics, 2015, 166, 223-232.	2.0	8
104	Hydrodynamics, mass transfer, and photocatalytic phenol selective oxidation reaction kinetics in a fixed <scp>T</scp>i<scp>O₂</scp> microreactor. AICHE Journal, 2015, 61, 572-581.	1.8	33
105	Synthesis-phaseâ€“composition relationship and high electric-field-induced electromechanical behavior of samarium-modified BiFeO3 ceramics. Acta Materialia, 2015, 83, 149-159.	3.8	54
106	Small CuO clusters on CeO2 nanospheres as active species for catalytic N2O decomposition. Applied Catalysis B: Environmental, 2015, 163, 113-122.	10.8	99
107	Active Iron Sites of Disordered Mesoporous Silica Catalyst FeKIL-2 in the Oxidation of Volatile Organic Compounds (VOC). Materials, 2014, 7, 4243-4257.	1.3	16
108	Recent advances in vacuum sciences and applications. Journal Physics D: Applied Physics, 2014, 47, 153001.	1.3	33

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109	Microstructure and mechanical properties of nanostructured Tiâ€“Alâ€“Siâ€“N coatings deposited by magnetron sputtering. Surface and Coatings Technology, 2014, 241, 105-111.	2.2	85
110	The nature of chlorine-inhibition of photocatalytic degradation of dichloroacetic acid in a TiO2-based microreactor. Physical Chemistry Chemical Physics, 2014, 16, 14867.	1.3	75
111	Controlling the Surface Chemistry of Multiwalled Carbon Nanotubes for the Production of Highly Efficient and Stable Laccaseâ€Based Biocatalysts. ChemPlusChem, 2014, 79, 1116-1122.	1.3	23
112	Hydroxyapatite nanopowders prepared in the presence of zirconium ions. Materials Letters, 2014, 122, 296-300.	1.3	30
113	Available surface dictates microbial adhesion capacity. International Journal of Adhesion and Adhesives, 2014, 50, 265-272.	1.4	84
114	Current status and prospects of SiCf/SiC for fusion structural applications. Journal of the European Ceramic Society, 2013, 33, 1577-1589.	2.8	128
115	Highly Efficient TiO₂-Based Microreactor for Photocatalytic Applications. ACS Applied Materials & Interfaces, 2013, 5, 9088-9094.	4.0	90
116	Growth defect density in PVD hard coatings prepared by different deposition techniques. Surface and Coatings Technology, 2013, 237, 349-356.	2.2	62
117	Photocatalytic degradation of caffeine: Developing solutions for emerging pollutants. Catalysis Today, 2013, 209, 108-115.	2.2	88
118	Transformation of austenite during isothermal annealing at 600â€“900Â°C for heat-resistant stainless steel. Journal of Alloys and Compounds, 2013, 567, 59-64.	2.8	32
119	Severe accelerated degradation of PEMFC platinum catalyst: A thin film IL-SEM study. Electrochemistry Communications, 2013, 30, 75-78.	2.3	60
120	Hindered Disulfide Bonds to Regulate Release Rate of Model Drug from Mesoporous Silica. ACS Applied Materials & Interfaces, 2013, 5, 3908-3915.	4.0	68
121	Comparison of structural properties of pristine and gamma irradiated single-wall carbon nanotubes: Effects of medium and irradiation dose. Materials Characterization, 2012, 72, 37-45.	1.9	30
122	A comparison of Ar ion implantation and swift heavy Xe ion irradiation effects on immiscible AlN/TiN multilayered nanostructures. Materials Chemistry and Physics, 2012, 133, 884-892.	2.0	21
123	Hydrothermal synthesis of Î±-Fe2O3 nanorings with the help of divalent metal cations, Mn2+, Cu2+, Zn2+ and Ni2+. Journal of Molecular Structure, 2011, 993, 167-176.	1.8	40
124	Densification of a SiC-matrix by electrophoretic deposition and polymer infiltration and pyrolysis process. Journal of the European Ceramic Society, 2011, 31, 833-840.	2.8	29
125	Magnetic Field Trapping in Coherent Antisymmetric States of Liquid Water Molecular Rotors. Journal of Computational and Theoretical Nanoscience, 2010, 7, 1800-1805.	0.4	29
126	Catalytic performance of Au/ZnO nanocatalysts for CO oxidation. Journal of Catalysis, 2010, 273, 191-198.	3.1	99

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127	Effect of chloride on the sinterization of Au/CeO2 catalysts. Catalysis Today, 2010, 154, 293-302.	2.2	48
128	Gold nanoparticles on ceria supports for the oxidation of carbon monoxide. Catalysis Today, 2010, 154, 21-30.	2.2	65
129	Characterization of Crystalline Zinc Oxide in the Form of Hexagonal Bipods. Crystal Growth and Design, 2010, 10, 830-837.	1.4	43
130	Ce-doped TiO2 for photocatalytic degradation of chlorophenol. Catalysis Today, 2009, 144, 13-18.	2.2	148
131	Development of TiO2 pastes modified with Pechini solâ€“gel method for high efficiency dye-sensitized solar cell. Journal of Sol-Gel Science and Technology, 2008, 48, 156-162.	1.1	38
132	Nanocrystallization of CaCO3 at solid/liquid interfaces in magnetic field: A quantum approach. Applied Surface Science, 2008, 254, 6715-6724.	3.1	28
133	Study of the microstructure of amorphous aluminosilicate gel before and after its hydrothermal treatment. Microporous and Mesoporous Materials, 2008, 110, 177-185.	2.2	36
134	Cuprous Oxide Nanowires Prepared by an Additive-Free Polyol Process. Crystal Growth and Design, 2007, 7, 453-458.	1.4	105
135	Surface characterisation and modification of submicron and nanosized silicon carbide powders. Journal of the European Ceramic Society, 2007, 27, 3545-3550.	2.8	14
136	Preparation and Characterisation of Nano-Structured WO3-TiO2 Layers for Photoelectrochromic Devices. Journal of Sol-Gel Science and Technology, 2005, 36, 45-52.	1.1	41
137	Degradation of AlN Powder in Aqueous Environments. Journal of Materials Research, 2004, 19, 1157-1163.	1.2	37
138	Control over nanocrystalization in turbulent flow in the presence of magnetic fields. Materials Science and Engineering C, 2003, 23, 811-815.	3.8	26
139	Preparation and structural investigations of electrochromic nanosized NiOx films made via the solâ€“gel route. Solid State Ionics, 2003, 165, 191-200.	1.3	73
140	The challenges of 157 nm nanolithography: surface morphology of silicon-based copolymers. Materials Science and Engineering C, 2003, 23, 995-999.	3.8	23
141	An XRPD ab-initio structural determination of La2RuO5. Journal of Solid State Chemistry, 2003, 170, 294-302.	1.4	24
142	The influence of firing temperature on the electrical and microstructural characteristics of thick-film resistors for strain gauge applications. Sensors and Actuators A: Physical, 2003, 103, 341-352.	2.0	29
143	Characterization of CaTiO3-NdAlO3 dielectric ceramics. Journal of the European Ceramic Society, 2003, 23, 1391-1400.	2.8	145
144	Memory of texture during HDDR processing of NdFeB. IEEE Transactions on Magnetics, 2003, 39, 2926-2931.	1.2	70

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145	High-performance nanocrystalline PrFeB-based magnets produced by intensive milling. Journal of Applied Physics, 2002, 91, 8159.	1.1	42
146	Texture inducement during HDDR processing of NdFeB. IEEE Transactions on Magnetics, 2002, 38, 2958-2960.	1.2	38
147	Principles of the hydrolysis assisted solidification (HAS) process for forming ceramic bodies from aqueous suspension. Journal of the European Ceramic Society, 2002, 22, 289-295.	2.8	32
148	Nucleation and crystallization of CaCO3 in applied magnetic fields. Crystal Engineering, 2002, 5, 243-253.	0.7	70
149	IR spectroelectrochemical studies of Fe2V4O13, FeVO4 and InVO4 thin films obtained via sol-gel synthesis. Journal of Solid State Electrochemistry, 2001, 5, 437-449.	1.2	26
150	Title is missing!. Journal of Sol-Gel Science and Technology, 2001, 20, 61-83.	1.1	41
151	Electrochromic and structural investigation of InVO4 and some other vanadia-based oxide films. Electrochimica Acta, 2001, 46, 2059-2068.	2.6	46
152	The influence of the magnetic field on the crystallisation form of calcium carbonate and the testing of a magnetic water-treatment device. Journal of Magnetism and Magnetic Materials, 2001, 236, 71-76.	1.0	84
153	Electrochromic and Structural Studies of Nanocrystalline Fe/V (1:2) Oxide and Crystalline Fe[sub 2]V[sub 4]O[sub 13] Films. Journal of the Electrochemical Society, 2000, 147, 2358.	1.3	29
154	Ex situ and In situ Infrared Spectroelectrochemical Investigations of â€‰Vâ€‰2â€‰Oâ€‰5 Crystalline Films. Journal of the Electrochemical Society, 1999, 146, 232-242.	1.3	58
155	Electrical and IR spectroscopic studies of peroxopolytungstic acid/organicâ€“inorganic hybrid gels. Solid State Ionics, 1999, 125, 125-133.	1.3	25
156	Title is missing!. Journal of Sol-Gel Science and Technology, 1999, 14, 291-308.	1.1	55
157	Compositional fluctuations and properties of fine-grained acceptor-doped PZT ceramics. Journal of the European Ceramic Society, 1998, 18, 1695-1705.	2.8	49
158	Wear mechanisms in oil-lubricated and dry fretting of silicon nitride against bearing steel contacts. Wear, 1997, 210, 27-38.	1.5	55
159	Effect of slip amplitude on the fretting wear of silicon nitride against silicon nitride. Wear, 1996, 192, 11-20.	1.5	23
160	Preparation and properties of ceramic sensor elements based on MgCr2O4. Sensors and Actuators, 1989, 18, 407-414.	1.8	23