

Go Kawamura

List of Publications by Year in descending order

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174
papers

2,928
citations

172457

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254184

43
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all docs

176
docs citations

176
times ranked

3665
citing authors

#	ARTICLE	IF	CITATIONS
1	Anodized TiO ₂ nanotubes using Ti wire in fluorinated ethylene glycol with air bubbles for removal of methylene blue dye. <i>Journal of Applied Electrochemistry</i> , 2022, 52, 173-188.	2.9	4
2	Transparent conductive polymer composites obtained via electrostatically assembled carbon nanotubes/poly (methyl methacrylate) composite particles. <i>Advanced Powder Technology</i> , 2022, 33, 103528.	4.1	8
3	Photoreduction of Cr(VI) in wastewater by anodic nanoporous Nb ₂ O ₅ formed at high anodizing voltage and electrolyte temperature. <i>Environmental Science and Pollution Research</i> , 2022, 29, 60600-60615.	5.3	1
4	Ordered arrays of electrostatically assembled SiO ₂ /SiO ₂ composite particles by electrophoresis-induced stimulation. <i>Journal of Sol-Gel Science and Technology</i> , 2022, 104, 548-557.	2.4	1
5	Metal chalcogenide-based photoelectrodes for photoelectrochemical water splitting. <i>Journal of Energy Chemistry</i> , 2022, 73, 189-213.	12.9	40
6	Controlled formation of carbon nanotubes incorporated ceramic composite granules by electrostatic integrated nano-assembly. <i>Nanoscale</i> , 2022, 14, 9669-9674.	5.6	4
7	Cutting-edge development in waste-recycled nanomaterials for energy storage and conversion applications. <i>Nanotechnology Reviews</i> , 2022, 11, 2215-2294.	5.8	13
8	Formation of self-organized ZrO ₂ /TiO ₂ and ZrTiO ₄ /TiO ₂ nanotube arrays by anodization of Ti-40Zr foil for Cr(VI) removal. <i>Journal of Materials Research and Technology</i> , 2022, 19, 2991-3003.	5.8	5
9	Anodic film on Ti: Nanotubes formation and application for Cr(VI) and Cd(II) removal. <i>Materials Today: Proceedings</i> , 2022, , .	1.8	1
10	Nanocomposite matrix conjugated with carbon nanomaterials for photocatalytic wastewater treatment. <i>Journal of Hazardous Materials</i> , 2021, 410, 124657.	12.4	66
11	Current progress in the development of Fe-air batteries and their prospects for next-generation batteries. , 2021, , 59-83.		5
12	Nanomaterial Fabrication through the Modification of Sol-Gel Derived Coatings. <i>Nanomaterials</i> , 2021, 11, 181.	4.1	36
13	Hydrogen gas sensing properties of microwave-assisted 2D Hybrid Pd/rGO: Effect of temperature, humidity and UV illumination. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 7653-7665.	7.1	71
14	Hexavalent Chromium Removal via Photoreduction by Sunlight on Titanium Dioxide Nanotubes Formed by Anodization with a Fluorinated Glycerol-Water Electrolyte. <i>Catalysts</i> , 2021, 11, 376.	3.5	16
15	A review on plasmonic nanoparticle-semiconductor photocatalysts for water splitting. <i>Journal of Cleaner Production</i> , 2021, 294, 126200.	9.3	65
16	Electrostatically assembled SiC/Al ₂ O ₃ composite particles for direct selective laser sintering. <i>Advanced Powder Technology</i> , 2021, 32, 2074-2084.	4.1	8
17	Development of liquid-phase fabrication of nanotube array-based multiferroic nanocomposite film. <i>Journal of Alloys and Compounds</i> , 2021, 869, 159219.	5.5	2
18	Influence of Ce ³⁺ Substitution on Antimicrobial and Antibiofilm Properties of Zn _x Ce _{1-x} Fe ₂ O ₄ Nanoparticles (X = 0.0, 0.02, 0.04, 0.06, and 0.08) Conjugated with Ebselen and Its Role Subsidised with ¹³⁷ I-Radiation in Mitigating Human TNBC and Colorectal Adenocarcinoma Proliferation In Vitro. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10171.	4.1	18

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19	Nanoporous anodic Nb ₂ O ₅ with pore-in-pore structure formation and its application for the photoreduction of Cr(VI). <i>Chemosphere</i> , 2021, 283, 131231.	8.2	13
20	Recent advances in waste-recycled nanomaterials for biomedical applications: Waste-to-wealth. <i>Nanotechnology Reviews</i> , 2021, 10, 1662-1739.	5.8	50
21	Formation of Dense and High-Aspect-Ratio Iron Oxide Nanowires by Water Vapor-Assisted Thermal Oxidation and Their Cr(VI) Adsorption Properties. <i>ACS Omega</i> , 2021, 6, 28203-28214.	3.5	3
22	Carbon dots conjugated nanocomposite for the enhanced electrochemical performance of supercapacitor electrodes. <i>RSC Advances</i> , 2021, 11, 39636-39645.	3.6	4
23	Synthesis of rutile TiO ₂ nanowires by thermal oxidation of titanium in the presence of KOH and their ability to photoreduce Cr(VI) ions. <i>Journal of Alloys and Compounds</i> , 2020, 812, 152094.	5.5	30
24	Microwave-assisted synthesis of Mn ₃ O ₄ -Fe ₂ O ₃ /Fe ₃ O ₄ @rGO ternary hybrids and electrochemical performance for supercapacitor electrode. <i>Diamond and Related Materials</i> , 2020, 101, 107622.	3.9	102
25	Incorporation of titanium pyrophosphate in polybenzimidazole membrane for medium temperature dry PEMFC application. <i>Solid State Ionics</i> , 2020, 344, 115140.	2.7	16
26	Formation of grassy TiO ₂ nanotube thin film by anodisation in peroxide electrolyte for Cr(VI) removal under ultraviolet radiation. <i>Nanotechnology</i> , 2020, 31, 435605.	2.6	10
27	Carbon-dot-loaded Co _x Ni _{1-x} Fe ₂ O ₄ ; x = 0.9/SiO ₂ /TiO ₂ nanocomposite with enhanced photocatalytic and antimicrobial potential: An engineered nanocomposite for wastewater treatment. <i>Scientific Reports</i> , 2020, 10, 11534.	3.3	48
28	Fe ₃ O ₄ -embedded rGO composites as anode for rechargeable FeO _x -air batteries. <i>Materials Today Communications</i> , 2020, 25, 101540.	1.9	18
29	Formation of Fe-embedded graphitic carbon network composites as anode materials for rechargeable Fe-air batteries. <i>Energy Storage</i> , 2020, 2, e196.	4.3	4
30	Comparison of ZrO ₂ , TiO ₂ , and Fe-Fe ₂ O ₃ nanotube arrays on Cr(VI) photoreduction fabricated by anodization of Zr, Ti, and Fe foils. <i>Materials Research Express</i> , 2020, 7, 055013.	1.6	14
31	Oxide nanotubes formation by anodic process and their application in photochemical reactions for heavy metal removal. , 2020, , 277-303.		1
32	Metal oxide for heavy metal detection and removal. , 2020, , 299-332.		3
33	Preparation and Characterization of Stable and Active Pt@TiO ₂ Core-Shell Nanoparticles as Electrocatalyst for Application in PEMFCs. <i>ACS Applied Energy Materials</i> , 2020, 3, 3269-3281.	5.1	15
34	Improved green body strength using PMMA-Al ₂ O ₃ composite particles fabricated via electrostatic assembly. <i>Nano Express</i> , 2020, 1, 030001.	2.4	4
35	Facile Fabrication of Plasmonic Enhanced Noble-Metal-Decorated ZnO Nanowire Arrays for Dye-Sensitized Solar Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 359-366.	0.9	9
36	Formation of porous Al ₂ O ₃ /SiO ₂ composite ceramics by electrostatic assembly. <i>Journal of the Ceramic Society of Japan</i> , 2020, 128, 605-610.	1.1	7

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37	Design of Heat-Conductive hBN/PMMA Composites by Electrostatic Nano-Assembly. <i>Nanomaterials</i> , 2020, 10, 134.	4.1	12
38	Liquid Phase Synthesis and Morphological Observation of BaTiO ₃ /CoFe ₂ O ₄ Nanocomposite Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 510-515.	0.9	0
39	Nanotube array-based barium titanate/cobalt ferrite composite film for affordable magnetoelectric multiferroics. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10066-10072.	5.5	19
40	Effect of mixed alkali metal ions in highly proton conductive K/Cs-hydrogen sulfate-phosphotungstic acid composites prepared by mechanical milling. <i>Solid State Ionics</i> , 2019, 340, 115022.	2.7	4
41	CHS-WSiA doped hexafluoropropylidene-containing polybenzimidazole composite membranes for medium temperature dry fuel cells. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 32201-32209.	7.1	14
42	Controlled microstructure and mechanical properties of Al ₂ O ₃ -based nanocarbon composites fabricated by electrostatic assembly method. <i>Nanoscale Research Letters</i> , 2019, 14, 245.	5.7	12
43	Anhydrous proton conduction of 0.6CsHSO ₄ -0.4H ₄ SiW ₁₂ O ₄₀ (CHS-WSiA) composite materials fabricated by dry and wet mechanical ball milling. <i>Materials Today: Proceedings</i> , 2019, 16, 220-225.	1.8	3
44	Facile Fabrication of rGO/Rutile TiO ₂ Nanowires as Photocatalyst for Cr(VI) Reduction. <i>Materials Today: Proceedings</i> , 2019, 17, 1143-1151.	1.8	13
45	PMMA-ITO Composite Formation via Electrostatic Assembly Method for Infra-Red Filtering. <i>Nanomaterials</i> , 2019, 9, 886.	4.1	20
46	Enhancement of interfacial property by novel solid ionomer CsHSO ₄ -H ₄ SiW ₁₂ O ₄₀ for the three-phase interface of a medium-temperature anhydrous fuel cell. <i>Materials Letters</i> , 2019, 253, 201-204.	2.6	7
47	Facile formation of Fe ₃ O ₄ -particles decorated carbon paper and its application for all-solid-state rechargeable Fe-air battery. <i>Applied Surface Science</i> , 2019, 486, 257-264.	6.1	17
48	Fabrication of an all-solid-state Zn-air battery using electroplated Zn on carbon paper and KOH-ZrO ₂ solid electrolyte. <i>Applied Surface Science</i> , 2019, 487, 343-348.	6.1	21
49	Anhydrous proton conductive xCHS-(1-x)WSiA composites prepared via liquid-phase shaking. <i>Solid State Ionics</i> , 2019, 337, 1-6.	2.7	3
50	Investigation of the anchor layer formation on different substrates and its feasibility for optical properties control by aerosol deposition. <i>Applied Surface Science</i> , 2019, 483, 212-218.	6.1	13
51	Effects of cesium-substituted silicotungstic acid doped with polybenzimidazole membrane for the application of medium temperature polymer electrolyte fuel cells. <i>E3S Web of Conferences</i> , 2019, 83, 01008.	0.5	4
52	Fabrication of Carbon-decorated Al ₂ O ₃ Composite Powders using Cellulose Nanofiber for Selective Laser Sintering. <i>Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2019, 66, 168-173.	0.2	7
53	Synthesis of Plasmonic Photocatalysts for Water Splitting. <i>Catalysts</i> , 2019, 9, 982.	3.5	23
54	Structural phase transition of spinel to hematite of as-prepared Fe ²⁺ -Cr nanoferrites by sintering temperature. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 132, 272-281.	5.0	3

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55	Micro- and Nano-assembly of Composite Particles by Electrostatic Adsorption. <i>Nanoscale Research Letters</i> , 2019, 14, 297.	5.7	25
56	Charge behavior in a plasmonic photocatalyst composed of Au and TiO ₂ . <i>Catalysis Science and Technology</i> , 2018, 8, 1813-1818.	4.1	12
57	Preparation of BaTiO ₃ Nanotube Arrays, CoFe ₂ O ₄ Nanoparticles and Their Composites. <i>ECS Transactions</i> , 2018, 82, 51-57.	0.5	1
58	Effects of multi-sized and -shaped Ag@TiO ₂ nanoparticles on the performance of plasmonic dye-sensitized solar cells. <i>Journal of the Ceramic Society of Japan</i> , 2018, 126, 139-151.	1.1	8
59	Structural, magnetic, vibrational and optical studies of structure transformed spinel Fe ₂ +Cr nano-ferrites by sintering process. <i>Journal of Alloys and Compounds</i> , 2018, 735, 975-985.	5.5	12
60	Hierarchical Porous Fe ₂ O ₃ Formation by Thermal Oxidation of Iron as Catalyst for Cr(VI) Reduction. <i>Journal of Physics: Conference Series</i> , 2018, 1082, 012044.	0.4	2
61	Tailoring Parameters to Produce Nanowires on Metal Surface via Surface Oxidation Process. <i>Journal of Physics: Conference Series</i> , 2018, 1082, 012052.	0.4	3
62	Synthesis of TiO ₂ Nanotubes Decorated with Ag Nanoparticles (TNTs/AgNPs) For Visible Light Degradation of Methylene Blue. <i>Journal of Physics: Conference Series</i> , 2018, 1082, 012105.	0.4	3
63	Cell performance enhancement with titania-doped polybenzimidazole based composite membrane in intermediate temperature fuel cell under anhydrous condition. <i>Journal of the Ceramic Society of Japan</i> , 2018, 126, 789-793.	1.1	11
64	Sol-gel template synthesis of BaTiO ₃ films with nano-periodic structures. <i>Materials Letters</i> , 2018, 227, 120-123.	2.6	7
65	Combined spectroscopic and TDDFT study of single-double anthocyanins for application in dye-sensitized solar cells. <i>New Journal of Chemistry</i> , 2018, 42, 11616-11628.	2.8	17
66	Rapid TiO ₂ Nanotubes Formation in Aged Electrolyte and Their Application as Photocatalysts for Cr(VI) Reduction Under Visible Light. <i>IEEE Nanotechnology Magazine</i> , 2018, 17, 1106-1110.	2.0	8
67	Multiferroic nanocomposite fabrication via liquid phase using anodic alumina template. <i>Science and Technology of Advanced Materials</i> , 2018, 19, 535-542.	6.1	5
68	Ag@TiO ₂ Nanowires-Loaded Dye-Sensitized Solar Cells and Their Effect on the Various Performance Parameters of DSSCs. <i>Journal of the Electrochemical Society</i> , 2018, 165, H500-H509.	2.9	7
69	Sunlight activated anodic freestanding ZrO ₂ nanotube arrays for Cr(VI) photoreduction. <i>Nanotechnology</i> , 2018, 29, 375701.	2.6	21
70	Sol-Gel Nano-/Micropatterning Process. , 2018, , 2177-2203.		1
71	Ag nanoparticle-filled TiO ₂ nanotube arrays prepared by anodization and electrophoretic deposition for dye-sensitized solar cells. <i>Nanotechnology</i> , 2017, 28, 135207.	2.6	25
72	Fabrication of biosensor based on Chitosan-ZnO/Polypyrrole nanocomposite modified carbon paste electrode for electroanalytical application. <i>Materials Science and Engineering C</i> , 2017, 80, 494-501.	7.3	53

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73	TiO ₂ nanotube arrays formation in fluoride/ethylene glycol electrolyte containing LiOH or KOH as photoanode for dye-sensitized solar cell. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 343, 33-39.	3.9	23
74	Mechanochemically induced sulfur doping in ZnO via oxygen vacancy formation. Physical Chemistry Chemical Physics, 2017, 19, 13838-13845.	2.8	21
75	Characterization and structural and magnetic studies of as-synthesized Fe ₂₊ Cr _x Fe(2 ⁺ x)O ₄ nanoparticles. Journal of Magnetism and Magnetic Materials, 2017, 439, 373-383.	2.3	36
76	Preparation of thermally and chemically robust superhydrophobic coating from liquid phase deposition and low voltage reversible electrowetting. Thin Solid Films, 2017, 636, 273-282.	1.8	12
77	Development of Iron-Based Rechargeable Batteries with Sintered Porous Iron Electrodes. ECS Transactions, 2017, 75, 111-116.	0.5	5
78	Photocatalytic performance of freestanding tetragonal zirconia nanotubes formed in H ₂ O ₂ /NH ₄ F/ethylene glycol electrolyte by anodisation of zirconium. Nanotechnology, 2017, 28, 155604.	2.6	12
79	Formation of anodic TiO ₂ nanotube arrays in NaOH added fluoride-ethylene glycol electrolyte for dye-sensitized solar cells. AIP Conference Proceedings, 2017, , .	0.4	0
80	Systematic characterization of the effect of Ag@TiO ₂ nanoparticles on the performance of plasmonic dye-sensitized solar cells. Scientific Reports, 2017, 7, 15690.	3.3	54
81	Controlled facile fabrication of plasmonic enhanced Au-decorated ZnO nanowire arrays dye-sensitized solar cells. Materials Today Communications, 2017, 13, 354-358.	1.9	10
82	Electrochemical Performance of Sintered Porous Negative Electrodes Fabricated with Atomized Powders for Iron-Based Alkaline Rechargeable Batteries. Journal of the Electrochemical Society, 2017, 164, A2049-A2055.	2.9	14
83	Colloidal processing of Li ₂ S-P ₂ S ₅ films fabricated via electrophoretic deposition methods and their characterization as a solid electrolyte for all solid state lithium ion batteries. Journal of the Ceramic Society of Japan, 2017, 125, 287-292.	1.1	10
84	Development of multilayer coating system based on electrophoretic deposition process. Journal of the Ceramic Society of Japan, 2017, 125, 317-321.	1.1	1
85	Formation of TiO ₂ nanotube arrays in KOH added fluoride-ethylene glycol (EG) electrolyte and its photoelectrochemical response. AIP Conference Proceedings, 2016, , .	0.4	1
86	Effect of KOH added to ethylene glycol electrolyte on the self-organization of anodic ZrO ₂ nanotubes. AIP Conference Proceedings, 2016, , .	0.4	2
87	Formation of TiO ₂ nanotube arrays by anodic oxidation in LiOH added ethylene glycol electrolyte and the effect of thermal annealing on the photoelectrochemical properties. AIP Conference Proceedings, 2016, , .	0.4	1
88	Fabrication on low voltage driven electrowetting liquid lens by dip coating processes. Thin Solid Films, 2016, 608, 16-20.	1.8	8
89	Anodic Ag/TiO ₂ nanotube array formation in NaOH/fluoride/ethylene glycol electrolyte as a photoanode for dye-sensitized solar cells. Nanotechnology, 2016, 27, 355605.	2.6	18
90	Synthesis of TiO ₂ Nanotube Arrays in NaOH Added Ethylene Glycol Electrolyte and the Effect of Annealing Temperature on the Nanotube Arrays to their Photocurrent Performance. Key Engineering Materials, 2016, 701, 28-32.	0.4	7

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91	Au/Ag nanoparticle-deposited SiO ₂ /TiO ₂ porous supports with various localized surface plasmon resonance-related properties. Journal of the Ceramic Society of Japan, 2016, 124, 757-762.	1.1	1
92	Reversible change of diffraction efficiency in Cl-containing 3-glycidoxypropyl silsesquioxane films co-doped with Ag and Cu. Journal of the Ceramic Society of Japan, 2016, 124, 150-154.	1.1	3
93	Ag-doped inorganic-organic hybrid films for rewritable hologram memory application. Journal of Sol-Gel Science and Technology, 2016, 79, 374-380.	2.4	8
94	Annealing temperature-dependent crystallinity and photocurrent response of anodic nanoporous iron oxide film. Journal of Materials Research, 2016, 31, 1681-1690.	2.6	8
95	Photocatalytic properties of Au-deposited mesoporous SiO ₂ -TiO ₂ photocatalyst under simultaneous irradiation of UV and visible light. Journal of Solid State Chemistry, 2016, 235, 132-138.	2.9	20
96	Sol-Gel Nano-/Micropatterning Process. , 2016, , 1-28.		0
97	Titania-based functional nanocomposite materials fabricated by liquid processes. Journal of the Ceramic Society of Japan, 2015, 123, 517-522.	1.1	2
98	Production of Oxidation-Resistant Cu-Based Nanoparticles by Wire Explosion. Scientific Reports, 2015, 5, 18333.	3.3	46
99	Spacer Thickness-Dependent Electron Transport Performance of Titanium Dioxide Thick Film for Dye-Sensitized Solar Cells. Journal of Nanomaterials, 2015, 2015, 1-9.	2.7	3
100	Formation of Aligned Iron Oxide Nanopores as Cr Adsorbent Material. Advanced Materials Research, 2015, 1087, 460-464.	0.3	2
101	Ag nanoparticle-deposited TiO ₂ nanotube arrays for electrodes of Dye-sensitized solar cells. Nanoscale Research Letters, 2015, 10, 219.	5.7	33
102	Three modes of high-efficient photocatalysis using composites of TiO ₂ -nanocrystallite-containing mesoporous SiO ₂ and Au nanoparticles. Journal of Sol-Gel Science and Technology, 2015, 74, 748-755.	2.4	14
103	Blue-emitting photoluminescence of rod-like and needle-like ZnO nanostructures formed by hot-water treatment of sol-gel derived coatings. Journal of Luminescence, 2015, 158, 44-49.	3.1	14
104	Hard template synthesis of metal nanowires. Frontiers in Chemistry, 2014, 2, 104.	3.6	28
105	A Wettability Tunable Surface of Nafion [®] with Controlling the Flip-Flop Property by DC Applied Voltage. Key Engineering Materials, 2014, 616, 77-81.	0.4	1
106	Formation of Two-Dimensional ZnO Nanosheets by Rapid Thermal Oxidation in Oxygenated Environment. Journal of Nanoscience and Nanotechnology, 2014, 14, 2960-2967.	0.9	2
107	Visible-Light-Induced Photocatalysis of 2D-Hexagonal Mesoporous SiO ₂ -TiO ₂ Deposited with Au Nanoparticles. Journal of Nanoscience and Nanotechnology, 2014, 14, 2225-2230.	0.9	7
108	Fabrication of Shape-Controlled Au Nanoparticles in a TiO ₂ -Containing Mesoporous Template Using UV Irradiation and Their Shape-Dependent Photocatalysis. Journal of Materials Science and Technology, 2014, 30, 8-12.	10.7	16

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109	Spontaneous changes in contact angle of water and oil on novel flip-flop-type hydrophobic multilayer coatings. <i>Applied Surface Science</i> , 2014, 298, 142-146.	6.1	8
110	Synthesis of ZnO nanorod-nanosheet composite via facile hydrothermal method and their photocatalytic activities under visible-light irradiation. <i>Journal of Solid State Chemistry</i> , 2014, 211, 146-153.	2.9	19
111	Synthesis of high-edge exposure MoS ₂ nano flakes. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	8
112	Iron Composite Anodes for Fabricating All-Solid-State Iron-Air Rechargeable Batteries. <i>Key Engineering Materials</i> , 2014, 616, 114-119.	0.4	2
113	Preparation of Layered Double Hydroxide and its Graphene Composite Films as Electrodes for Photoelectrochemical Cells. <i>Key Engineering Materials</i> , 2014, 616, 129-133.	0.4	2
114	Preparation of hydroxide ion conductive KOH-layered double hydroxide electrolytes for an all-solid-state iron-air secondary battery. <i>Journal of Asian Ceramic Societies</i> , 2014, 2, 165-168.	2.3	16
115	Study of branched TiO ₂ nanotubes and their application to dye sensitized solar cells. <i>Journal of the Ceramic Society of Japan</i> , 2014, 122, 886-888.	1.1	8
116	Proton conductive composite electrolytes in the KH ₂ PO ₄ -H ₃ PW ₁₂ O ₄₀ system for H ₂ /O ₂ fuel cell operation. <i>Applied Energy</i> , 2013, 112, 1108-1114.	10.1	6
117	Extraction of Nd ³⁺ -doped LiYF ₄ phosphor from sol-gel-derived oxyfluoride glass ceramics by hydrofluoric acid treatment. <i>Optical Materials</i> , 2013, 35, 1879-1881.	3.6	3
118	Photoluminescence properties of rod-like Ce-doped ZnO nanostructured films formed by hot-water treatment of sol-gel derived coating. <i>Optical Materials</i> , 2013, 35, 1902-1907.	3.6	28
119	Optical properties of two-dimensional ZnO nanosheets formed by hot-water treatment of Zn foils. <i>Solid State Communications</i> , 2013, 162, 43-47.	1.9	12
120	Fabrication of well-crystallized mesoporous ZrO ₂ thin films via Pluronic P123 templated sol-gel route. <i>Ceramics International</i> , 2013, 39, S437-S440.	4.8	14
121	Enhanced dye-sensitized solar cells performance of ZnO nanorod arrays grown by low-temperature hydrothermal reaction. <i>International Journal of Energy Research</i> , 2013, 37, n/a-n/a.	4.5	12
122	Single-step growth of carbon and potassium-embedded TiO ₂ nanotube arrays for efficient photoelectrochemical hydrogen generation. <i>Electrochimica Acta</i> , 2013, 89, 585-593.	5.2	32
123	Low-temperature crystallization of TiO ₂ nanotube arrays via hot water treatment and their photocatalytic properties under visible-light irradiation. <i>Materials Chemistry and Physics</i> , 2013, 137, 991-998.	4.0	36
124	Formation of highly crystallized ZnO nanostructures by hot-water treatment of etched Zn foils. <i>Materials Letters</i> , 2013, 91, 111-114.	2.6	32
125	Design of hierarchically meso-macroporous tetragonal ZrO ₂ thin films with tunable thickness by spin-coating via sol-gel template route. <i>Microporous and Mesoporous Materials</i> , 2013, 167, 198-206.	4.4	13
126	A Unique Approach to Characterization of Sol-Gel-Derived Rare-Earth-Doped Oxyfluoride Glass-Ceramics. <i>Journal of the American Ceramic Society</i> , 2013, 96, 476-480.	3.8	12

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127	Characterization and Film Properties of Electrophoretically Deposited Nanosheets of Anionic Titanate and Cationic MgAl-Layered Double Hydroxide. <i>Journal of Physical Chemistry B</i> , 2013, 117, 1724-1730.	2.6	15
128	Low-Temperature Processing and Optical Hydrogen Gas Sensing Property of Pd-Loaded Titania Coating onto Flexible Plastic Substrate. <i>Key Engineering Materials</i> , 2013, 566, 249-252.	0.4	1
129	Shape-Controlled Metal Nanoparticles and Their Assemblies with Optical Functionalities. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-17.	2.7	33
130	Transparent Conductive CNT/PMMA Nanocomposite Via Electrostatic Adsorption Technique. <i>ECS Transactions</i> , 2013, 50, 165-169.	0.5	10
131	Elaboration and characterization of sol-gel derived ZrO ₂ thin films treated with hot water. <i>Applied Surface Science</i> , 2012, 258, 5250-5258.	6.1	59
132	Carbon-incorporated TiO ₂ photoelectrodes prepared via rapid-anodic oxidation for efficient visible-light hydrogen generation. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 10046-10056.	7.1	31
133	Mechanochemical synthesis of proton conductive composites derived from cesium dihydrogen phosphate and guanine. <i>Solid State Ionics</i> , 2012, 225, 223-227.	2.7	13
134	Characterization of mechanochemically synthesized MHSO ₄ ·H ₄ SiW ₁₂ O ₄₀ composites (M=K, NH ₄ , Cs). <i>Materials Research Bulletin</i> , 2012, 47, 2931-2935.	5.2	6
135	Selective preparation of zero- and one-dimensional gold nanostructures in a TiO ₂ nanocrystal-containing photoactive mesoporous template. <i>Nanoscale Research Letters</i> , 2012, 7, 27.	5.7	9
136	Formation of 1-dimensional (1D) and 3-dimensional (3D) ZnO nanostructures by oxidation and chemical methods. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2012, 43, 457-460.	0.9	1
137	Anhydrous protic conduction of mechanochemically synthesized CsHSO ₄ ·Azole-derived composites. <i>Electrochimica Acta</i> , 2012, 75, 11-19.	5.2	9
138	Anisotropically assembled gold nanoparticles prepared using unidirectionally aligned mesochannels of silica film. <i>Scripta Materialia</i> , 2012, 66, 479-482.	5.2	11
139	Control of the structure, morphology and dielectric properties of bismuth titanate ceramics by praseodymium substitution using an intermediate fuel agent-assisted self-combustion synthesis. <i>Journal of Materials Science</i> , 2012, 47, 4019-4027.	3.7	7
140	Length control of Ag nanorods in mesoporous SiO ₂ ·TiO ₂ by light irradiation. <i>RSC Advances</i> , 2011, 1, 584.	3.6	12
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