

# Ken-ichi Katsumata

## List of Publications by Year in descending order

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123  
papers

2,769  
citations

172457

29  
h-index

214800

47  
g-index

125  
all docs

125  
docs citations

125  
times ranked

4026  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> )/WO <sub>3</sub> composites and enhanced visible-light-driven photodegradation of acetaldehyde gas. <i>Journal of Hazardous Materials</i> , 2013, 260, 475-482.	12.4	265
2	Photocatalytic reduction of CO <sub>2</sub> on Cu <sub>2</sub> O-loaded Zn-Cr layered double hydroxides. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 783-790.	20.2	129
3	Photocatalytic, superhydrophilic, self-cleaning TiO <sub>2</sub> coating on cheap, light-weight, flexible polycarbonate substrates. <i>Applied Surface Science</i> , 2018, 458, 917-923.	6.1	126
4	ZnO-graphene composites as practical photocatalysts for gaseous acetaldehyde degradation and electrolytic water oxidation. <i>Applied Catalysis A: General</i> , 2015, 490, 1-9.	4.3	123
5	Series of MxWO <sub>3</sub> /ZnO (M = K, Rb, NH <sub>4</sub> ) nanocomposites: Combination of energy saving and environmental decontamination functions. <i>Applied Catalysis B: Environmental</i> , 2017, 201, 128-136.	20.2	96
6	Tuning Growth Modes of Ceria-Based Nanocubes by a Hydrothermal Method. <i>Crystal Growth and Design</i> , 2011, 11, 3754-3760.	3.0	76
7	Photocatalytic Activity of NaNbO <sub>3</sub> Thin Films. <i>Journal of the American Chemical Society</i> , 2009, 131, 3856-3857.	13.7	74
8	Effect of rutile TiO <sub>2</sub> on the photocatalytic performance of g-C <sub>3</sub> N <sub>4</sub> /brookite-TiO <sub>2</sub> -xNy photocatalyst for NO decomposition. <i>Applied Surface Science</i> , 2017, 392, 531-539.	6.1	66
9	Preparation and photocatalytic reduction of CO <sub>2</sub> on noble metal (Pt, Pd, Au) loaded Zn-Cr layered double hydroxides. <i>Materials Letters</i> , 2013, 107, 138-140.	2.6	64
10	Pseudo-Cube Shaped Brookite (TiO <sub>2</sub> ) Nanocrystals Synthesized by an Oleate-Modified Hydrothermal Growth Method. <i>Crystal Growth and Design</i> , 2011, 11, 4831-4836.	3.0	50
11	Synthesis of Amphiphilic Brookite Nanoparticles with High Photocatalytic Performance for Wide Range of Application. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 4846-4852.	8.0	50
12	Preparation and Characterization of Self-Cleaning Glass for Vehicle with Niobia Nanosheets. <i>ACS Applied Materials &amp; Interfaces</i> , 2010, 2, 1236-1241.	8.0	48
13	Porous ceramics mimicking nature's preparation and properties of microstructures with unidirectionally oriented pores. <i>Science and Technology of Advanced Materials</i> , 2011, 12, 064701.	6.1	48
14	Solution Plasma Process-Derived Defect-Induced Heterophase Anatase/Brookite TiO <sub>2</sub> Nanocrystals for Enhanced Gaseous Photocatalytic Performance. <i>ACS Omega</i> , 2018, 3, 898-905.	3.5	47
15	Heterostructured Fe <sub>3</sub> O <sub>4</sub> /Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> photocatalyst: Synthesis, characterization and application in recyclable photodegradation of organic dyes under visible light irradiation. <i>Materials Chemistry and Physics</i> , 2013, 142, 95-105.	4.0	46
16	One-step hydrothermal synthesis and photocatalytic performance of ZnWO <sub>4</sub> /Bi <sub>2</sub> WO <sub>6</sub> composite photocatalysts for efficient degradation of acetaldehyde under UV light irradiation. <i>Applied Catalysis A: General</i> , 2013, 457, 12-20.	4.3	45
17	C-doped ZnS-ZnO/Rh nanosheets as multijunctioned photocatalysts for effective H <sub>2</sub> generation from pure water under solar simulating light. <i>Applied Catalysis B: Environmental</i> , 2021, 297, 120473.	20.2	45
18	In situ charge carrier dynamics of semiconductor nanostructures for advanced photoelectrochemical and photocatalytic applications. <i>Nanophotonics</i> , 2020, 10, 777-795.	6.0	44

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19	Boron-doped diamond semiconductor electrodes: Efficient photoelectrochemical CO <sub>2</sub> reduction through surface modification. <i>Scientific Reports</i> , 2016, 6, 38010.	3.3	43
20	Nanoscale heterogeneities in CeO <sub>2</sub> –ZrO <sub>2</sub> nanocrystals highlighted by UV-resonant Raman spectroscopy. <i>Nanoscale</i> , 2010, 2, 1426.	5.6	42
21	Control of the Microstructure and Crystalline Orientation of ZnO Films on a Seed-free Glass Substrate by Using a Spin-Spray Method. <i>Crystal Growth and Design</i> , 2010, 10, 4968-4975.	3.0	39
22	Synthesis of Amphipathic YVO <sub>4</sub> :Eu <sup>3+</sup> Nanophosphors by Oleate-Modified Nucleation/Hydrothermal-Growth Process. <i>Journal of Physical Chemistry C</i> , 2010, 114, 3763-3769.	3.1	39
23	Adsorption and photodegradation of methylene blue by iron oxide impregnated on granular activated carbons in an oxalate solution. <i>Applied Surface Science</i> , 2013, 284, 72-79.	6.1	37
24	An aqueous solution process and subsequent UV treatment for highly transparent conductive ZnO films. <i>Journal of Materials Chemistry</i> , 2012, 22, 20706.	6.7	35
25	Self-organization of TiO <sub>2</sub> Nanobamboos by Anodization with Deep Eutectic Solvent. <i>Electrochimica Acta</i> , 2015, 153, 409-415.	5.2	35
26	Selective Inactivation of Bacteriophage in the Presence of Bacteria by Use of Ground Rh-Doped SrTiO <sub>3</sub> Photocatalyst and Visible Light. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 31393-31400.	8.0	35
27	Photoinduced surface roughness variation in polycrystalline TiO <sub>2</sub> thin films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 180, 75-79.	3.9	31
28	Ionic-Liquid-Assisted Selective and Controlled Electrochemical CO <sub>2</sub> Reduction at Cu-Modified Boron-Doped Diamond Electrode. <i>ChemElectroChem</i> , 2016, 3, 1044-1047.	3.4	31
29	Single-Step Fabrication of ZnO Rod Arrays on a Nonseeded Glass Substrate by a Spin-Spray Technique at 90 °C. <i>Crystal Growth and Design</i> , 2010, 10, 3502-3507.	3.0	30
30	Visible-light-driven photodegradation of acetaldehyde gas catalyzed by aluminosilicate nanotubes and Cu(II)-grafted TiO <sub>2</sub> composites. <i>Applied Catalysis B: Environmental</i> , 2013, 138-139, 243-252.	20.2	30
31	Effect of microstructure on photoinduced hydrophilicity of transparent anatase thin films. <i>Surface Science</i> , 2005, 579, 123-130.	1.9	28
32	Facile Deposition of Cu–SnO <sub>x</sub> Hybrid Nanostructures on Lightly Boron-Doped Diamond Electrodes for CO <sub>2</sub> Reduction. <i>ChemElectroChem</i> , 2018, 5, 2542-2550.	3.4	24
33	High-conductivity solution-processed ZnO films realized via UV irradiation and hydrogen treatment. <i>Acta Materialia</i> , 2016, 103, 844-849.	7.9	23
34	Efficient photocatalytic degradation of gaseous acetaldehyde over ground Rh–Sb co-doped SrTiO <sub>3</sub> under visible light irradiation. <i>RSC Advances</i> , 2018, 8, 5331-5337.	3.6	23
35	NIR-excited NIR and visible luminescent properties of amphipathic YVO <sub>4</sub> : Er <sup>3+</sup> /Yb <sup>3+</sup> nanoparticles. <i>Journal of Materials Science</i> , 2012, 47, 2241-2247.	3.7	22
36	Preparation of Bi <sub>2</sub> WO <sub>6</sub> and BiOI–allophane composites for efficient photodegradation of gaseous acetaldehyde under visible light. <i>Applied Clay Science</i> , 2014, 101, 38-43.	5.2	22

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37	Multifunctionality in coating films including Nb-doped TiO <sub>2</sub> and Cs <sub>2</sub> WO <sub>3</sub> : near infrared shielding and photocatalytic properties. Nanotechnology, 2018, 29, 224001.	2.6	22
38	Effects of selective leaching of bismuth oxide sheets in triple-layered Aurivillius phases on their photocatalytic activities. Chemical Physics Letters, 2004, 393, 12-16.	2.6	21
39	CaTiO <sub>3</sub> nanobricks prepared from anodized TiO <sub>2</sub> nanotubes. Electrochemistry Communications, 2012, 22, 101-104.	4.7	20
40	Adsorption and photodegradation of methylene blue with Fe <sub>2</sub> O <sub>3</sub> -activated carbons under UV illumination in oxalate solution. Journal of Environmental Chemical Engineering, 2014, 2, 2026-2036.	6.7	20
41	Fe <sub>2</sub> O <sub>3</sub> -loaded activated carbon fiber/polymer materials and their photocatalytic activity for methylene blue mineralization by combined heterogeneous-homogeneous photocatalytic processes. Applied Surface Science, 2017, 402, 444-455.	6.1	20
42	Bioactive Titanium Oxide-Based Nanostructures Prepared by One-Step Hydrothermal Anodization. Journal of Physical Chemistry C, 2012, 116, 8054-8062.	3.1	19
43	Preparation and UV-shielding property of Zr <sub>0.7</sub> Ce <sub>0.3</sub> O <sub>2</sub> -kaolinite nanocomposites. Applied Clay Science, 2013, 80-81, 147-153.	5.2	19
44	Using design of mixture experiments to optimize triaxial ceramic tile compositions incorporating Cambodian clays. Applied Clay Science, 2014, 87, 97-107.	5.2	19
45	Photodegradation of gaseous acetaldehyde and methylene blue in aqueous solution with titanium dioxide-loaded activated carbon fiber polymer materials and aquatic plant ecotoxicity tests. Environmental Science and Pollution Research, 2014, 21, 4309-4319.	5.3	19
46	Synthesis of heterostructured In <sub>2</sub> O <sub>3</sub> /BiOCl powders and their visible-light-driven photocatalytic activity for the degradation of Rhodamine B. Advanced Powder Technology, 2014, 25, 1292-1303.	4.1	19
47	Different hollow and spherical TiO <sub>2</sub> morphologies have distinct activities for the photocatalytic inactivation of chemical and biological agents. Photochemical and Photobiological Sciences, 2016, 15, 988-994.	2.9	18
48	Preparation of TiO <sub>2</sub> -Fullerene Composites and Their Photocatalytic Activity under Visible Light. International Journal of Photoenergy, 2012, 2012, 1-9.	2.5	17
49	Capillary rise properties of porous mullite ceramics prepared by an extrusion method with various diameters of fiber pore formers. Journal of Materials Science, 2013, 48, 941-947.	3.7	17
50	Stability of Sc <sub>2</sub> O <sub>3</sub> and CeO <sub>2</sub> co-doped ZrO <sub>2</sub> electrolyte during the operation of solid oxide fuel cells: Part III. Detailed mechanism of the decomposition. Solid State Ionics, 2012, 224, 6-14.	2.7	15
51	Positive shift in the potential of photo-electrochemical CO <sub>2</sub> reduction to CO on Ag-loaded boron-doped diamond electrode by an electrochemical pre-treatment. Journal of Applied Electrochemistry, 2018, 48, 61-73.	2.9	15
52	Preparation of phase-separated textures and crystalline phases from two-liquid immiscible melts in the TiO <sub>2</sub> -SiO <sub>2</sub> system. Materials Research Bulletin, 2004, 39, 1131-1139.	5.2	14
53	Photoinduced surface roughness variation in polycrystalline TiO <sub>2</sub> thin films under different atmospheres. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 190, 53-57.	3.9	14
54	Effect of surface microstructures on photo-induced hydrophilicity of NaNbO <sub>3</sub> thin films by sol-gel process. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 173, 267-270.	3.5	13

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55	Preparation of iron oxide-impregnated spherical granular activated carbon-carbon composite and its photocatalytic removal of methylene blue in the presence of oxalic acid. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 763-769.	1.7	13
56	Sporicidal performance induced by photocatalytic production of organic peroxide under visible light irradiation. <i>Scientific Reports</i> , 2016, 6, 33715.	3.3	13
57	Complete decomposition of sulfamethoxazole during an advanced oxidation process in a simple water treatment system. <i>Chemosphere</i> , 2022, 287, 132029.	8.2	13
58	Effect of Germanium Oxide (GeO <sub>2</sub> ) Additive on the Anatase-to-Rutile Phase Transition. <i>Journal of the American Ceramic Society</i> , 2002, 85, 2078-2082.	3.8	12
59	Effects of Thermal Treatment on Crystallographic and Electrical Properties of Transparent Conductive ZnO Films Deposited by Spin-Spray Method. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 110108.	1.5	12
60	Low temperature Solution-Processed ZnO film on flexible substrate. <i>Materials Science in Semiconductor Processing</i> , 2016, 47, 20-24.	4.0	12
61	Effects of kaolinite layer expansion and impurities on the solid-state reaction of kaolinite. <i>RSC Advances</i> , 2021, 11, 38473-38477.	3.6	12
62	ZnO/ZnS-Polyvinyl Alcohol Hydrogel for Photocatalytic H <sub>2</sub> -Generation. <i>Catalysts</i> , 2022, 12, 272.	3.5	12
63	Template-free solvothermal preparation of ZnO hollow microspheres covered with c planes. <i>RSC Advances</i> , 2014, 4, 25148-25154.	3.6	11
64	Study on the Effect of Pt Intercalation into Layered Niobate Perovskite for Photocatalytic Behavior. <i>Langmuir</i> , 2015, 31, 7660-7665.	3.5	11
65	Bioactive surface modification of Ti-29Nb-13Ta-4.6Zr alloy through alkali solution treatments. <i>Materials Science and Engineering C</i> , 2016, 62, 662-667.	7.3	11
66	Synthesis of Mesoporous TiO <sub>2</sub> /Boron-Doped Diamond Photocatalyst and Its Photocatalytic Activity under Deep UV Light ( $\lambda = 222$ nm) Irradiation. <i>Molecules</i> , 2018, 23, 3095.	3.8	11
67	Liquid-phase atomic layer deposition of crystalline hematite without post-growth annealing. <i>CrystEngComm</i> , 2019, 21, 4184-4191.	2.6	11
68	One-pot synthesis of (anatase/bronze-type)-TiO <sub>2</sub> /carbon dot polymorphic structures and their photocatalytic activity for H <sub>2</sub> generation. <i>Applied Surface Science</i> , 2020, 526, 146650.	6.1	11
69	Synergetic effect in water treatment with mesoporous TiO <sub>2</sub> /BDD hybrid electrode. <i>RSC Advances</i> , 2020, 10, 1793-1798.	3.6	11
70	Preparation of TiO <sub>2</sub> Thin Films Using Water-soluble Titanium Complexes and Their Photoinduced Properties. <i>Photochemistry and Photobiology</i> , 2011, 87, 988-994.	2.5	10
71	Single Crystal ZrO <sub>2</sub> Nanosheets Formed by Thermal Transformation for Solid Oxide Fuel Cells and Oxygen Sensors. <i>ACS Applied Nano Materials</i> , 2019, 2, 6866-6873.	5.0	10
72	Effect of kaolinite edge surfaces on formation of Tb <sup>3+</sup> -doped phosphor by solid-state reaction. <i>RSC Advances</i> , 2022, 12, 15435-15439.	3.6	10

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73	Photo-induced hydrophilicity of polycrystalline SrTiO <sub>3</sub> thin films. Journal of the Ceramic Society of Japan, 2010, 118, 43-47.	1.1	9
74	Preparation and characterization of lotus ceramics with different pore sizes and their implication for the generation of microbubbles for CO <sub>2</sub> sequestration applications. Ceramics International, 2013, 39, 1443-1449.	4.8	9
75	Porous ZrO <sub>2</sub> sheets synthesized using an ionothermal method and their absorption properties. Dalton Transactions, 2015, 44, 8247-8254.	3.3	9
76	Fabrication of Efficient Visible-light-responsive TiO <sub>2</sub> -WO <sub>3</sub> Hollow Particle Photocatalyst by Electrospray Method. Chemistry Letters, 2017, 46, 122-124.	1.3	9
77	Fabrication of Al-Doped ZnO Film with High Conductivity Induced by Photocatalytic Activity. Journal of Electronic Materials, 2016, 45, 4875-4880.	2.2	8
78	Assessment of the Crystallization Process of CaO-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> Glass Probed with Tb <sup>3+</sup> Luminescence. Inorganic Chemistry, 2022, 61, 11478-11483.	4.0	8
79	Photocatalytic Activity and Related Surface Properties of Transparent ZnO Films Prepared by a Low-temperature Aqueous Route. Photochemistry and Photobiology, 2011, 87, 1009-1015.	2.5	7
80	Transparent ZnO Films Deposited by Aqueous Solution Process Under Various pH Conditions. Journal of Electronic Materials, 2015, 44, 2657-2662.	2.2	7
81	Adhesive strength of bioactive oxide layers fabricated on TNTZ alloy by three different alkali-solution treatments. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 61, 174-181.	3.1	7
82	Systematic studies of TiO <sub>2</sub> -based photocatalysts anti-algal effects on Chlorella vulgaris. Journal of Applied Electrochemistry, 2017, 47, 197-203.	2.9	7
83	One-Pot Synthesis of Anatase, Rutile-Decorated Hydrogen Titanate Nanorods by Yttrium Doping for Solar H <sub>2</sub> Production. ACS Omega, 2020, 5, 23081-23089.	3.5	7
84	Formation of ammonium ions by electrochemical oxidation of urea with a boron-doped diamond electrode. New Journal of Chemistry, 2020, 44, 17637-17640.	2.8	7
85	Hydrogen production using iron oxyhydroxide with light irradiation. Renewable Energy, 2021, 164, 1284-1289.	8.9	7
86	Rod-Shaped Fe <sup>2+</sup> -FeOOH Synthesis for Hydrogen Production under Light Irradiation. ACS Omega, 2021, 6, 30562-30568.	3.5	7
87	Preparation and characterization of TiO <sub>2</sub> thin films using vacuum ultraviolet light in a sol-gel process. Surface Science, 2005, 596, 197-205.	1.9	6
88	Stability of Sc <sub>2</sub> O <sub>3</sub> and CeO <sub>2</sub> co-doped ZrO <sub>2</sub> electrolyte during the operation of solid oxide fuel cells: Part II the influences of Mn, Al and Si. Solid State Ionics, 2011, 204-205, 120-128.	2.7	6
89	Solution Process for Synthesizing Bioactive Nano-Mesh Layer on Ti-Based Bulk Metallic Glasses. Materials Transactions, 2013, 54, 1343-1346.	1.2	6
90	Facet control of ceria nanocrystals synthesized by an oleate-modified hydrothermal method. Advanced Powder Technology, 2016, 27, 64-71.	4.1	6

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91	A facile method of generating aluminosilicate nanoparticles: Complete fragmentation of kaolinite nanoscrolls via manual grinding. <i>Applied Clay Science</i> , 2021, 214, 106295.	5.2	6
92	Granular Activated Carbons Impregnated by Iron Oxide (Fe-GACs) for Simultaneous Adsorption and Photodecomposition of Methylene Blue in an Oxalate Solution. <i>Advanced Materials Research</i> , 2013, 795, 153-157.	0.3	5
93	Enhanced photocatalytic activity of titanium dioxide/allophane mixed powder by acid treatment. <i>Applied Clay Science</i> , 2014, 90, 61-66.	5.2	5
94	Hydrogen Production System by Light-Induced $\text{FeOOH}$ Coupled with Photoreduction. <i>Chemistry - A European Journal</i> , 2020, 26, 2380-2385.	3.3	5
95	Persistent luminescence properties of monoclinic luminescent zirconium oxide annealed under different oxygen partial pressures. <i>Journal of the Ceramic Society of Japan</i> , 2020, 128, 175-180.	1.1	5
96	Expansion of orderly stacked metakaolinite layers and order destruction using a kaolinite-tetraphenylphosphonium chloride intercalation compound. <i>RSC Advances</i> , 2021, 11, 23090-23094.	3.6	5
97	Regioselective Approach to Characterizing Increased Edge Availability in Layered Crystal Materials following Layer Expansion: Reaction of Kaolinite with Octadecyltrimethylammonium Salts. <i>Materials</i> , 2022, 15, 588.	2.9	5
98	Enhanced Hydrogen Production at Optimum pH for the Recovery Cycle of $\text{Fe}^{2+}$ - $\text{FeOOH}$ . <i>ACS Omega</i> , 2022, 7, 16049-16054.	3.5	5
99	表面改質技術. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan		
100	The Effect of Citric Ion on the Spin-Sprayed ZnO Films: IR and XPS Study for the Organic Impurities. <i>Key Engineering Materials</i> , 0, 485, 291-294.	0.4	4
101	Crystal-face Dependence of Photoinduced Hydrophilic Conversion on $\text{SrTiO}_3$ Surfaces. <i>Chemistry Letters</i> , 2013, 42, 618-620.	1.3	4
102	Production of Ni-Based Glassy Alloy-Coated Bipolar Plate with Hydrophilic Surface for PEMFC and Its Evaluation by Electrochemical Impedance Spectroscopy. <i>Materials Transactions</i> , 2013, 54, 1324-1329.	1.2	4
103	Fabrication of Heterostructured $\text{Fe}_2\text{O}_3/\text{ZnO}$ Film for Photoelectrode by Aqueous Solution Process. <i>Funtai Oyobi Fumatsu Yakini/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2014, 61, S324-S326.	0.2	4
104	Underwater wettability of oleic acid on $\text{TiO}_2$ photocatalyst surface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 548, 32-36.	4.7	4
105	Synthesis and fluorescence properties of lanthanide-supported titanate nanosheets. <i>Journal of Luminescence</i> , 2018, 194, 316-320.	3.1	4
106	Fabrication of a Silica Nanoparticle Monolayer Array Nanocomposite Film on an Anodic Aluminum Oxide Substrate and Its Optical and Tribological Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 27672-27681.	8.0	4
107	Effects of particle size, concentration and pore size on the loading density of silica nanoparticle monolayer arrays on anodic aluminum oxide substrates prepared by the spin-coating method. <i>Materials Chemistry and Physics</i> , 2022, 277, 125465.	4.0	4
108	Porous magnetite secondary particles prepared by surfactant-free solvothermal method with non-contact heat-assisted drug releasing property. <i>Advanced Powder Technology</i> , 2016, 27, 513-520.	4.1	3



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109	Synthesis of In <sub>2</sub> O <sub>3</sub> /BiOCl Composite Photocatalyst and its Photocatalytic Activity for the Degradation of Rhodamine B under Visible Light Irradiation. Advanced Materials Research, 2013, 747, 635-638.	0.3	2
110	Highly Dispersed Iron Oxide Nanoparticles Synthesized by Solvothermal Method Adding Electrostatic Stabilizers. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	2
111	Influence of Surface Morphology and Conductivity on Photocatalytic Performance of Solution-Processed Zinc Oxide Film. Chemistry - an Asian Journal, 2017, 12, 2480-2485.	3.3	2
112	Denaturation of Lysozyme with Visible-light-responsive Photocatalysts of Ground Rhodium-doped and Ground Rhodium-antimony-co-doped Strontium Titanate. Journal of Oleo Science, 2018, 67, 1521-1533.	1.4	2
113	Preparation of microporous glass fiber cloth without cracking. Journal of the Ceramic Society of Japan, 2021, 129, 438-442.	1.1	2
114	Synthesis of a mesoporous titania thin film with a pseudo-single-crystal framework by liquid-phase epitaxial growth, and enhancement of photocatalytic activity. RSC Advances, 2020, 10, 40658-40662.	3.6	2
115	Control of wetting on Ti-based bulk metallic glass surfaces by a hydrothermal method. Journal of Materials Science, 2011, 46, 3430-3435.	3.7	1
116	Hydrothermal Synthesis and Visible-Light-Driven Photocatalytic Activity of Allophane “Wakefieldite-(Ce) Composite. Advanced Materials Research, 0, 896, 545-548.	0.3	1
117	Nitrogen-doped ZnO Rods Synthesized from an Ammine “Hydroxo Zinc Complex. Chemistry Letters, 2015, 44, 651-653.	1.3	1
118	The Morphological Properties of Heterostructured Fe <sub>3</sub> O <sub>4</sub> /ZnO Film by Aqueous Solution Process. IEEE Transactions on Magnetics, 2016, 52, 1-5.	2.1	1
119	Ion exchange of layered titanate with transition metal and application to ammonia storage. Journal of the Ceramic Society of Japan, 2018, 126, 808-813.	1.1	1
120	The study of correlation between electrical conductivity of solution-processed ZnO film and UV irradiation. Materials Science in Semiconductor Processing, 2020, 120, 105266.	4.0	1
121	Hydrogen Production System by Light-Induced $\text{FeOOH}$ Coupled with Photoreduction. Chemistry - A European Journal, 2020, 26, 2297-2297.	3.3	1
122	A Proposal of Recycling Type Spin-spray Ferrite Plating to Attain Low Environmental Load. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2011, 58, 560-565.	0.2	0
123	Comparative Study of Crystallographic and Electrical Properties of Zinc Oxide Films Fabricated by Dry and Wet Processes. Science of Advanced Materials, 2017, 9, 1678-1682.	0.7	0