

# Ken-ichi Katsumata

## List of Publications by Year in descending order

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123  
papers

2,769  
citations

172386

29  
h-index

214721

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.  | 6.5  | 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.   | 10.8 | 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.   | 3.1  | 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.   | 2.2  | 123       |
| 5  | Series of M <sub>x</sub> WO <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.  | 10.8 | 96        |
| 6  | Tuning Growth Modes of Ceria-Based Nanocubes by a Hydrothermal Method. <i>Crystal Growth and Design</i> , 2011, 11, 3754-3760.   | 1.4  | 76        |
| 7  | Photocatalytic Activity of NaNbO <sub>3</sub> Thin Films. <i>Journal of the American Chemical Society</i> , 2009, 131, 3856-3857.  | 6.6  | 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.  | 3.1  | 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.   | 1.3  | 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.   | 1.4  | 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.  | 4.0  | 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.  | 4.0  | 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.   | 2.8  | 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.  | 1.6  | 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. | 2.0  | 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.                            | 2.2  | 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.   | 10.8 | 45        |
| 18 | In situ charge carrier dynamics of semiconductor nanostructures for advanced photoelectrochemical and photocatalytic applications. <i>Nanophotonics</i> , 2020, 10, 777-795.   | 2.9  | 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.  | 1.6  | 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.   | 2.8  | 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.                             | 1.4  | 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.                     | 1.5  | 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.                                    | 3.1  | 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.   | 2.6  | 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. | 4.0  | 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.   | 2.0  | 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.                                     | 1.7  | 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.  | 1.4  | 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.    | 10.8 | 30        |
| 31 | Effect of microstructure on photoinduced hydrophilicity of transparent anatase thin films. <i>Surface Science</i> , 2005, 579, 123-130.   | 0.8  | 28        |
| 32 | Facile Deposition of Cu <sup>x</sup> Sn <sup>x</sup> Hybrid Nanostructures on Lightly Boron-Doped Diamond Electrodes for CO <sub>2</sub> Reduction. <i>ChemElectroChem</i> , 2018, 5, 2542-2550.                        | 1.7  | 24        |
| 33 | High-conductivity solution-processed ZnO films realized via UV irradiation and hydrogen treatment. <i>Acta Materialia</i> , 2016, 103, 844-849.   | 3.8  | 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.                                   | 1.7  | 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.                        | 1.7  | 22        |
| 36 | Preparation of Bi <sub>2</sub> WO <sub>6</sub> and BiO <sub>2</sub> allophane composites for efficient photodegradation of gaseous acetaldehyde under visible light. <i>Applied Clay Science</i> , 2014, 101, 38-43.    | 2.6  | 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. <i>Nanotechnology</i> , 2018, 29, 224001.   | 1.3 | 22        |
| 38 | Effects of selective leaching of bismuth oxide sheets in triple-layered Aurivillius phases on their photocatalytic activities. <i>Chemical Physics Letters</i> , 2004, 393, 12-16.   | 1.2 | 21        |
| 39 | CaTiO <sub>3</sub> nanobricks prepared from anodized TiO <sub>2</sub> nanotubes. <i>Electrochemistry Communications</i> , 2012, 22, 101-104.   | 2.3 | 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. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 2026-2036.   | 3.3 | 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. <i>Applied Surface Science</i> , 2017, 402, 444-455. | 3.1 | 20        |
| 42 | Bioactive Titanium Oxide-Based Nanostructures Prepared by One-Step Hydrothermal Anodization. <i>Journal of Physical Chemistry C</i> , 2012, 116, 8054-8062.  | 1.5 | 19        |
| 43 | Preparation and UV-shielding property of Zr <sub>0.7</sub> Ce <sub>0.3</sub> O <sub>2</sub> –kaolinite nanocomposites. <i>Applied Clay Science</i> , 2013, 80-81, 147-153.   | 2.6 | 19        |
| 44 | Using design of mixture experiments to optimize triaxial ceramic tile compositions incorporating Cambodian clays. <i>Applied Clay Science</i> , 2014, 87, 97-107.  | 2.6 | 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. <i>Environmental Science and Pollution Research</i> , 2014, 21, 4309-4319.    | 2.7 | 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. <i>Advanced Powder Technology</i> , 2014, 25, 1292-1303.  | 2.0 | 19        |
| 47 | Different hollow and spherical TiO <sub>2</sub> morphologies have distinct activities for the photocatalytic inactivation of chemical and biological agents. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 988-994.                                      | 1.6 | 18        |
| 48 | Preparation of TiO <sub>2</sub> -Fullerene Composites and Their Photocatalytic Activity under Visible Light. <i>International Journal of Photoenergy</i> , 2012, 2012, 1-9.  | 1.4 | 17        |
| 49 | Capillary rise properties of porous mullite ceramics prepared by an extrusion method with various diameters of fiber pore formers. <i>Journal of Materials Science</i> , 2013, 48, 941-947.  | 1.7 | 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. <i>Solid State Ionics</i> , 2012, 224, 6-14.                   | 1.3 | 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. <i>Journal of Applied Electrochemistry</i> , 2018, 48, 61-73.                                   | 1.5 | 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. <i>Materials Research Bulletin</i> , 2004, 39, 1131-1139.  | 2.7 | 14        |
| 53 | Photoinduced surface roughness variation in polycrystalline TiO <sub>2</sub> thin films under different atmospheres. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 190, 53-57.  | 2.0 | 14        |
| 54 | Effect of surface microstructures on photo-induced hydrophilicity of NaNbO <sub>3</sub> thin films by sol-gel process. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 173, 267-270.                                   | 1.7 | 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. | 0.9 | 13        |
| 56 | Sporicidal performance induced by photocatalytic production of organic peroxide under visible light irradiation. <i>Scientific Reports</i> , 2016, 6, 33715.  | 1.6 | 13        |
| 57 | Complete decomposition of sulfamethoxazole during an advanced oxidation process in a simple water treatment system. <i>Chemosphere</i> , 2022, 287, 132029.   | 4.2 | 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.   | 1.9 | 12        |
| 59 | Effects of Thermal Treatment on Crystallographic and Electrical Properties of Transparent ZnO Films Deposited by Spin-Spray Method. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 110108.  | 0.8 | 12        |
| 60 | Low temperature Solution-Processed ZnO film on flexible substrate. <i>Materials Science in Semiconductor Processing</i> , 2016, 47, 20-24.  | 1.9 | 12        |
| 61 | Effects of kaolinite layer expansion and impurities on the solid-state reaction of kaolinite. <i>RSC Advances</i> , 2021, 11, 38473-38477.  | 1.7 | 12        |
| 62 | ZnO/ZnS-Polyvinyl Alcohol Hydrogel for Photocatalytic H <sub>2</sub> -Generation. <i>Catalysts</i> , 2022, 12, 272.   | 1.6 | 12        |
| 63 | Template-free solvothermal preparation of ZnO hollow microspheres covered with c planes. <i>RSC Advances</i> , 2014, 4, 25148-25154.  | 1.7 | 11        |
| 64 | Study on the Effect of Pt Intercalation into Layered Niobate Perovskite for Photocatalytic Behavior. <i>Langmuir</i> , 2015, 31, 7660-7665.   | 1.6 | 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.  | 3.8 | 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.   | 1.7 | 11        |
| 67 | Liquid-phase atomic layer deposition of crystalline hematite without post-growth annealing. <i>CrystEngComm</i> , 2019, 21, 4184-4191.  | 1.3 | 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.   | 3.1 | 11        |
| 69 | Synergetic effect in water treatment with mesoporous TiO <sub>2</sub> /BDD hybrid electrode. <i>RSC Advances</i> , 2020, 10, 1793-1798.   | 1.7 | 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.  | 1.3 | 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.  | 2.4 | 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.  | 1.7 | 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.   | 0.5 | 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.          | 2.3 | 9         |
| 75 | Porous ZrO <sub>2</sub> sheets synthesized using an ionothermal method and their absorption properties. Dalton Transactions, 2015, 44, 8247-8254.   | 1.6 | 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.   | 0.7 | 9         |
| 77 | Fabrication of Al-Doped ZnO Film with High Conductivity Induced by Photocatalytic Activity. Journal of Electronic Materials, 2016, 45, 4875-4880.   | 1.0 | 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.  | 1.9 | 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.  | 1.3 | 7         |
| 80 | Transparent ZnO Films Deposited by Aqueous Solution Process Under Various pH Conditions. Journal of Electronic Materials, 2015, 44, 2657-2662.  | 1.0 | 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.  | 1.5 | 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.  | 1.5 | 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.   | 1.6 | 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.  | 1.4 | 7         |
| 85 | Hydrogen production using iron oxyhydroxide with light irradiation. Renewable Energy, 2021, 164, 1284-1289.   | 4.3 | 7         |
| 86 | Rod-Shaped Fe <sup>2+</sup> -FeOOH Synthesis for Hydrogen Production under Light Irradiation. ACS Omega, 2021, 6, 30562-30568.  | 1.6 | 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.   | 0.8 | 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. | 1.3 | 6         |
| 89 | Solution Process for Synthesizing Bioactive Nano-Mesh Layer on Ti-Based Bulk Metallic Glasses. Materials Transactions, 2013, 54, 1343-1346.   | 0.4 | 6         |
| 90 | Facet control of ceria nanocrystals synthesized by an oleate-modified hydrothermal method. Advanced Powder Technology, 2016, 27, 64-71.   | 2.0 | 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.  | 2.6 | 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.   | 2.6 | 5         |
| 94  | Hydrogen Production System by Light-Induced $\text{Fe}^{\text{II}}/\text{FeOOH}$ Coupled with Photoreduction. <i>Chemistry - A European Journal</i> , 2020, 26, 2380-2385.  | 1.7 | 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.  | 0.5 | 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.  | 1.7 | 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.  | 1.3 | 5         |
| 98  | Enhanced Hydrogen Production at Optimum pH for the Recovery Cycle of $\text{Fe}^{\text{II}}/\text{FeOOH}$ . <i>ACS Omega</i> , 2022, 7, 16049-16054.  | 1.6 | 5         |
| 99  | Surface Finishing of Aluminum Alloy by Electroless Ni-P Coating. <i>Journal of the Surface Finishing Society of Japan</i> , 2022, 55, 1-6.  | 0.1 | 4         |
| 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.  | 0.7 | 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.  | 0.4 | 4         |
| 103 | Fabrication of Heterostructured $\text{Fe}^{\text{II}}/\text{Fe}_2\text{O}_3/\text{ZnO}$ Film for Photoelectrode by Aqueous Solution Process. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2014, 61, S324-S326. | 0.1 | 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.   | 2.3 | 4         |
| 105 | Synthesis and fluorescence properties of lanthanide-supported titanate nanosheets. <i>Journal of Luminescence</i> , 2018, 194, 316-320.   | 1.5 | 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.                                   | 4.0 | 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.           | 2.0 | 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.   | 2.0 | 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. <i>Advanced Materials Research</i> , 2013, 747, 635-638. | 0.3 | 2         |
| 110 | Highly Dispersed Iron Oxide Nanoparticles Synthesized by Solvothermal Method Adding Electrostatic Stabilizers. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.   | 1.2 | 2         |
| 111 | Influence of Surface Morphology and Conductivity on Photocatalytic Performance of Solution-Processed Zinc Oxide Film. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2480-2485.  | 1.7 | 2         |
| 112 | Denaturation of Lysozyme with Visible-light-responsive Photocatalysts of Ground Rhodium-doped and Ground Rhodium-antimony-co-doped Strontium Titanate. <i>Journal of Oleo Science</i> , 2018, 67, 1521-1533.                            | 0.6 | 2         |
| 113 | Preparation of microporous glass fiber cloth without cracking. <i>Journal of the Ceramic Society of Japan</i> , 2021, 129, 438-442.   | 0.5 | 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. <i>RSC Advances</i> , 2020, 10, 40658-40662.                           | 1.7 | 2         |
| 115 | Control of wetting on Ti-based bulk metallic glass surfaces by a hydrothermal method. <i>Journal of Materials Science</i> , 2011, 46, 3430-3435.  | 1.7 | 1         |
| 116 | Hydrothermal Synthesis and Visible-Light-Driven Photocatalytic Activity of Allophane “Wakefieldite-(Ce) Composite. <i>Advanced Materials Research</i> , 0, 896, 545-548.  | 0.3 | 1         |
| 117 | Nitrogen-doped ZnO Rods Synthesized from an Ammine-Hydroxo Zinc Complex. <i>Chemistry Letters</i> , 2015, 44, 651-653.  | 0.7 | 1         |
| 118 | The Morphological Properties of Heterostructured Fe <sub>3</sub> O <sub>4</sub> /ZnO Film by Aqueous Solution Process. <i>IEEE Transactions on Magnetics</i> , 2016, 52, 1-5.   | 1.2 | 1         |
| 119 | Ion exchange of layered titanate with transition metal and application to ammonia storage. <i>Journal of the Ceramic Society of Japan</i> , 2018, 126, 808-813.   | 0.5 | 1         |
| 120 | The study of correlation between electrical conductivity of solution-processed ZnO film and UV irradiation. <i>Materials Science in Semiconductor Processing</i> , 2020, 120, 105266.   | 1.9 | 1         |
| 121 | Hydrogen Production System by Light-Induced $\text{H}^+$ -FeOOH Coupled with Photoreduction. <i>Chemistry - A European Journal</i> , 2020, 26, 2297-2297.   | 1.7 | 1         |
| 122 | A Proposal of Recycling Type Spin-spray Ferrite Plating to Attain Low Environmental Load. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2011, 58, 560-565.                           | 0.1 | 0         |
| 123 | Comparative Study of Crystallographic and Electrical Properties of Zinc Oxide Films Fabricated by Dry and Wet Processes. <i>Science of Advanced Materials</i> , 2017, 9, 1678-1682.   | 0.1 | 0         |