# Sun Hee Choi

List of Publications by Year
in descending order



| 113 | 6,220 | 76326 | 71685 |
|---|---|---|---|
| papers | citations | 40 h-index | 76 g-index |

| 114 | 114 | 114 | 9016 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Electrochemically Induced Structural Transformation in a Î³-MnO<sub>2</sub> Cathode of a High Capacity Zinc-Ion Battery System. Chemistry of Materials, 2015, 27, 3609-3620. | 6.7 | 788 |
| 2 | Highly Active and Stable Hydrogen Evolution Electrocatalysts Based on Molybdenum Compounds on Carbon Nanotubeâ€“Graphene Hybrid Support. ACS Nano, 2014, 8, 5164-5173. | 14.6 | 531 |
| 3 | Dry reforming of methane by stable Niâ€“Mo nanocatalysts on single-crystalline MgO. Science, 2020, 367, 777-781. | 12.6 | 372 |
| 4 | Influence of Sn content on PtSn/C catalysts for electrooxidation of C1â€“C3 alcohols: Synthesis, characterization, and electrocatalytic activity. Applied Catalysis B: Environmental, 2008, 82, 89-102. | 20.2 | 261 |
| 5 | Carbon dioxide Fischer-Tropsch synthesis: A new path to carbon-neutral fuels. Applied Catalysis B: Environmental, 2017, 202, 605-610. | 20.2 | 230 |
| 6 | Location and State of Pt in Platinized CdS/TiO<sub>2</sub> Photocatalysts for Hydrogen Production from Water under Visible Light. Journal of Physical Chemistry C, 2008, 112, 17200-17205. | 3.1 | 188 |
| 7 | Defective ZnFe<sub>2</sub>O<sub>4</sub> nanorods with oxygen vacancy for photoelectrochemical water splitting. Nanoscale, 2015, 7, 19144-19151. | 5.6 | 183 |
| 8 | Topotactic synthesis of mesoporous ZnS and ZnO nanoplates and their photocatalytic activity. Journal of Catalysis, 2008, 254, 144-155. | 6.2 | 144 |
| 9 | A highly efficient transition metal nitride-based electrocatalyst for oxygen reduction reaction: TiN on a CNTâ€“graphene hybrid support. Journal of Materials Chemistry A, 2013, 1, 8007. | 10.3 | 126 |
| 10 | Mn-Promoted Ni/Al2O3 Catalysts for Stable Carbon Dioxide Reforming of Methane. Journal of Catalysis, 2002, 209, 6-15. | 6.2 | 124 |
| 11 | Oxygen-Intercalated CuFeO<sub>2</sub> Photocathode Fabricated by Hybrid Microwave Annealing for Efficient Solar Hydrogen Production. Chemistry of Materials, 2016, 28, 6054-6061. | 6.7 | 113 |
| 12 | New Insight into Copper Sulfide Electrocatalysts for Quantum Dot-Sensitized Solar Cells: Composition-Dependent Electrocatalytic Activity and Stability. ACS Applied Materials & Interfaces, 2014, 6, 22078-22087. | 8.0 | 109 |
| 13 | Activation of Hematite Photoanodes for Solar Water Splitting: Effect of FTO Deformation. Journal of Physical Chemistry C, 2015, 119, 3810-3817. | 3.1 | 108 |
| 14 | Onset potential behavior in Î±-Fe<sub>2</sub>O<sub>3</sub>photoanodes: the influence of surface and diffusion Sn doping on the surface states. Physical Chemistry Chemical Physics, 2016, 18, 2495-2509. | 2.8 | 96 |
| 15 | Awakening Solar Waterâ€Splitting Activity of ZnFe<sub>2</sub>O<sub>4</sub> Nanorods by Hybrid Microwave Annealing. Advanced Energy Materials, 2015, 5, 1401933. | 19.5 | 95 |
| 16 | Tree branch-shaped cupric oxide for highly effective photoelectrochemical water reduction. Nanoscale, 2015, 7, 7624-7631. | 5.6 | 90 |
| 17 | Bifunctional TiO<sub>2</sub> underlayer for Î±-Fe<sub>2</sub>O<sub>3</sub> nanorod based photoelectrochemical cells: enhanced interface and Ti<sup>4+</sup> doping. Journal of Materials Chemistry A, 2015, 3, 5007-5013. | 10.3 | 90 |
| 18 | Sodiumâ€Containing Spinel Zinc Ferrite as a Catalyst Precursor for the Selective Synthesis of Liquid Hydrocarbon Fuels. ChemSusChem, 2017, 10, 4764-4770. | 6.8 | 89 |

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| 19 | X-ray Absorption Fine Structure Characterization of the Local Structure of Fe in Feâˆ’ZSM-5. Journal of Physical Chemistry B, 2003, 107, 11843-11851. | 2.6 | 87 |
| 20 | Mixed Transition Metal Oxide with Vacancy-Induced Lattice Distortion for Enhanced Catalytic Activity of Oxygen Evolution Reaction. ACS Catalysis, 2019, 9, 7099-7108. | 11.2 | 85 |
| 21 | Fabrication of graphene-based electrode in less than a minute through hybrid microwave annealing. Scientific Reports, 2014, 4, 5492. | 3.3 | 76 |
| 22 | Sn/Be Sequentially co-doped Hematite Photoanodes for Enhanced Photoelectrochemical Water Oxidation: Effect of Be2+ as co-dopant. Scientific Reports, 2016, 6, 23183. | 3.3 | 75 |
| 23 | Quantitative Analysis of Tiâˆ’Oâˆ’Si and Tiâˆ’Oâˆ’Ti Bonds in Tiâˆ’Si Binary Oxides by the Linear Combination of XANES. Journal of Physical Chemistry B, 2000, 104, 8670-8678. | 2.6 | 73 |
| 24 | Enhancing the catalytic activity of Pt nanoparticles using poly sodium styrene sulfonate stabilized graphene supports for methanol oxidation. Journal of Materials Chemistry A, 2013, 1, 3489. | 10.3 | 73 |
| 25 | Enhanced Photocatalytic Hydrogen Production from Waterâˆ’Methanol Solution by Nickel Intercalated into Titanate Nanotube. Journal of Physical Chemistry C, 2009, 113, 8990-8996. | 3.1 | 72 |
| 26 | Hydrodechlorination of Carbon Tetrachloride over Pt/MgO. Journal of Catalysis, 1996, 161, 790-797. | 6.2 | 69 |
| 27 | Subnanometer Cobalt-Hydroxide-Anchored N-Doped Carbon Nanotube Forest for Bifunctional Oxygen Catalyst. ACS Applied Materials & Interfaces, 2016, 8, 1571-1577. | 8.0 | 67 |
| 28 | Palladiumâ€“nickel alloys loaded on tungsten carbide as platinum-free anode electrocatalysts for polymer electrolyte membrane fuel cells. Chemical Communications, 2011, 47, 5792. | 4.1 | 62 |
| 29 | Phase and photoelectrochemical behavior of solution-processed Fe2O3 nanocrystals for oxidation of water under solar light. Applied Physics Letters, 2008, 93, . | 3.3 | 56 |
| 30 | Active States of Pd and Cu in Carbon-Supported Wacker-Type Catalysts for Low-Temperature CO Oxidation. Journal of Physical Chemistry B, 2000, 104, 5586-5594. | 2.6 | 52 |
| 31 | A multitude of modifications strategy of ZnFe2O4 nanorod photoanodes for enhanced photoelectrochemical water splitting activity. Journal of Materials Chemistry A, 2018, 6, 12693-12700. | 10.3 | 52 |
| 32 | Indium induced band gap tailoring in AgGa1âˆ’xInxS2 chalcopyrite structure for visible light photocatalysis. Journal of Chemical Physics, 2008, 128, 154717. | 3.0 | 51 |
| 33 | Trade-off between Zr Passivation and Sn Doping on Hematite Nanorod Photoanodes for Efficient Solar Water Oxidation: Effects of a ZrO<sub>2</sub> Underlayer and FTO Deformation. ACS Applied Materials & Interfaces, 2016, 8, 19428-19437. | 8.0 | 51 |
| 34 | Effect of tetravalent dopants on hematite nanostructure for enhanced photoelectrochemical water splitting. Applied Surface Science, 2018, 427, 1203-1212. | 6.1 | 51 |
| 35 | Fabrication of A/R-TiO 2 composite for enhanced photoelectrochemical performance: Solar hydrogen generation and dye degradation. Applied Surface Science, 2017, 426, 833-843. | 6.1 | 49 |
| 36 | Effects of Pt Precursors on Hydrodechlorination of Carbon Tetrachloride over Pt/Al2O3. Journal of Catalysis, 1997, 166, 284-293. | 6.2 | 48 |

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|---|---|---|---|
| 37 | Exploiting the dynamic Sn diffusion from deformation of FTO to boost the photocurrent performance of hematite photoanodes. Solar Energy Materials and Solar Cells, 2015, 141, 71-79. | 6.2 | 48 |
| 38 | Highly self-diffused Sn doping in Î±-Fe<sub>2</sub>O<sub>3</sub> nanorod photoanodes initiated from Î²-FeOOH nanorod/FTO by hydrogen treatment for solar water oxidation. Nanoscale, 2018, 10, 22560-22571. | 5.6 | 47 |
| 39 | Selective Formation of HÃgg Iron Carbide with gâ€C<sub>3</sub>N<sub>4</sub> as a Sacrificial Support for Highly Active Fischerâ€“Tropsch Synthesis. ChemCatChem, 2015, 7, 3488-3494. | 3.7 | 46 |
| 40 | Enhanced Photocatalytic Degradation of Organic Pollutants and Inactivation of Listeria monocytogenes by Visible Light Active Rhâ€“Sb Codoped TiO<sub>2</sub> Nanorods. ACS Sustainable Chemistry and Engineering, 2018, 6, 4302-4315. | 6.7 | 44 |
| 41 | Metalâ€Free Artificial Photosynthesis of Carbon Monoxide Using Nâ€Doped ZnTe Nanorod Photocathode Decorated with Nâ€Doped Carbon Electrocatalyst Layer. Advanced Energy Materials, 2018, 8, 1702636. | 19.5 | 42 |
| 42 | XAFS Study of Tin Modification of Supported Palladium Catalyst for 1,3-Butadiene Hydrogenation in the Presence of 1-Butene. Journal of Catalysis, 2000, 193, 176-185. | 6.2 | 41 |
| 43 | X-ray Absorption Fine Structure Analysis of the Local Environment of Fe in Fe/Alâ^'MFI. Journal of Physical Chemistry B, 2004, 108, 8970-8975. | 2.6 | 39 |
| 44 | AgGaS2-type photocatalysts for hydrogen production under visible light: Effects of post-synthetic H2S treatment. Journal of Solid State Chemistry, 2007, 180, 1110-1118. | 2.9 | 36 |
| 45 | Tunable Photoluminescence across the Visible Spectrum and Photocatalytic Activity of Mixed-Valence Rhenium Oxide Nanoparticles. Journal of the American Chemical Society, 2017, 139, 15088-15093. | 13.7 | 33 |
| 46 | Supported PdCl2CuCl2 catalysts for carbon monoxide oxidation II. XAFS characterization. Applied Catalysis B: Environmental, 1996, 7, 199-212. | 20.2 | 31 |
| 47 | The formation of precipitates in the ZnCoO system. Europhysics Letters, 2005, 72, 76-82. | 2.0 | 30 |
| 48 | Fine-Tuning Pulse Reverse Electrodeposition for Enhanced Photoelectrochemical Water Oxidation Performance of Î±-Fe<sub>2</sub>O<sub>3</sub> Photoanodes. Journal of Physical Chemistry C, 2015, 119, 5281-5292. | 3.1 | 30 |
| 49 | Enhanced charge transfer with tuning surface state in hematite photoanode integrated by niobium and zirconium co-doping for efficient photoelectrochemical water splitting. Applied Catalysis B: Environmental, 2022, 315, 121538. | 20.2 | 30 |
| 50 | Role of Graphene Oxide as a Sacrificial Interlayer for Enhanced Photoelectrochemical Water Oxidation of Hematite Nanorods. Journal of Physical Chemistry C, 2015, 119, 19996-20002. | 3.1 | 29 |
| 51 | Activation of a highly oriented columnar structure of ZnFe2O4 for photoelectrochemical water splitting: Orchestrated effects of two-step quenching and Sn4+ diffusion. Solar Energy Materials and Solar Cells, 2018, 187, 207-218. | 6.2 | 29 |
| 52 | Synthesis of transparent Zr-doped ZnFe2O4 nanocorals photoanode and its surface modification via Al2O3/Coâ€“Pi for efficient solar water splitting. Applied Surface Science, 2020, 513, 145528. | 6.1 | 29 |
| 53 | XAFS Characterization of Ptâ€“Mo Bimetallic Catalysts for CO Hydrogenation. Journal of Catalysis, 1997, 167, 364-371. | 6.2 | 28 |
| 54 | N-Doped ZnS Nanoparticles Prepared through an Inorganicâ^'Organic Hybrid Complex ZnSÂ·(piperazine)<sub>0.5</sub>. Journal of Physical Chemistry C, 2009, 113, 20445-20451. | 3.1 | 27 |

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| 55 | Porous Zn1-xCdxS nanosheets/ZnO nanorod heterojunction photoanode via self-templated and cadmium ions exchanged conversion of ZnS(HDA)0.5 nanosheets/ZnO nanorod. Chemical Engineering Journal, 2020, 402, 126153. | 12.7 | 27 |
| 56 | Transparent Zirconium-doped Hematite Nanocoral Photoanode via In-Situ Diluted Hydrothermal Approach for Efficient Solar Water Splitting. Chemical Engineering Journal, 2020, 390, 124504. | 12.7 | 27 |
| 57 | Magnetron sputtering strategy for Zr-Fe2O3 nanorod photoanode fabricated from ZrOx/Î²-FeOOH nanorods for photoelectrochemical water splitting. Applied Surface Science, 2021, 549, 149233. | 6.1 | 27 |
| 58 | Synthesis, electronic property and photocatalytic applications of mesoporous cobalt-doped ZnS and ZnO nanoplates. Applied Catalysis A: General, 2012, 427-428, 106-113. | 4.3 | 26 |
| 59 | Improved Interfacial Charge Transfer Dynamics and Onset Shift in Nanostructured Hematite Photoanodes via Efficient Ti<sup>4+</sup>/Sn<sup>4+</sup> Heterogeneous Self-Doping Through Controlled TiO<sub>2</sub> Underlayers. ACS Sustainable Chemistry and Engineering, 2019, 7, 6947-6958. | 6.7 | 25 |
| 60 | Band Gap Tailored Zn(Nb1â^'xVx)2O6 Solid Solutions as Visible Light Photocatalysts. Journal of Physical Chemistry C, 2009, 113, 17824-17830. | 3.1 | 23 |
| 61 | Lowering the onset potential of Zr-doped hematite nanocoral photoanodes by Al co-doping and surface modification with electrodeposited Coâ€“Pi. Journal of Colloid and Interface Science, 2021, 581, 751-763. | 9.4 | 23 |
| 62 | Characterization of Pd/C and Cu Catalysts for the Oxidation of Methane to a Methanol Derivative. Journal of Catalysis, 2000, 194, 33-44. | 6.2 | 22 |
| 63 | Surfactant and TiO 2 underlayer derived porous hematite nanoball array photoanode for enhanced photoelectrochemical water oxidation. Chemical Engineering Journal, 2017, 320, 81-92. | 12.7 | 21 |
| 64 | A systematic study of post-activation temperature dependence on photoelectrochemical water splitting of one-step synthesized FeOOH CF photoanodes with erratically loaded ZrO<sub>2</sub>. Sustainable Energy and Fuels, 2021, 5, 3414-3427. | 4.9 | 18 |
| 65 | XAFS characterization of supported PdCl2â^'CuCl2 catalysts for CO oxidation. Reaction Kinetics and Catalysis Letters, 1996, 57, 227-236. | 0.6 | 17 |
| 66 | Active size-controlled Ru catalysts for selective CO oxidation in H2. Applied Catalysis B: Environmental, 2012, 127, 129-136. | 20.2 | 17 |
| 67 | Equilibria, kinetics, and spectroscopic analyses on the uptake of aqueous arsenite by two-line ferrihydrite. Environmental Technology (United Kingdom), 2014, 35, 251-261. | 2.2 | 17 |
| 68 | Superlattice Formation of Crystal Water in Layered Double Hydroxides for Longâ€Term and Fast Operation of Aqueous Rechargeable Batteries. Advanced Energy Materials, 2018, 8, 1703572. | 19.5 | 17 |
| 69 | An effective strategy to promote hematite photoanode at low voltage bias via Zr4+/Al3+ codoping and CoOx OER co-catalyst. Electrochimica Acta, 2019, 319, 444-455. | 5.2 | 17 |
| 70 | A Synergistic Effect of Surfactant and ZrO2 Underlayer on Photocurrent Enhancement and Cathodic Shift of Nanoporous Fe2O3 Photoanode. Scientific Reports, 2016, 6, 32436. | 3.3 | 17 |
| 71 | Microwave-assisted metal-ion attachment for ex-situ zirconium doping into hematite for enhanced photoelectrochemical water splitting. Renewable Energy, 2022, 189, 694-703. | 8.9 | 17 |
| 72 | Selective deposition of Pt onto supported metal clusters for fuel cell electrocatalysts. Nanoscale, 2012, 4, 6461. | 5.6 | 16 |

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| 73 | Mechanisms of enhanced sulfur tolerance on samarium (Sm)-doped cerium oxide (CeO<sub>2</sub>) from first principles. Physical Chemistry Chemical Physics, 2014, 16, 10727-10733. | 2.8 | 16 |
| 74 | Photoelectrochemical, impedance and optical data for self Sn-diffusion doped Fe 2 O 3 photoanodes fabricated at high temperature by one and two-step annealing methods. Data in Brief, 2015, 5, 796-804. | 1.0 | 16 |
| 75 | High Electrochemical Li Intercalation in Titanate Nanotubes. Journal of Physical Chemistry C, 2009, 113, 14034-14039. | 3.1 | 15 |
| 76 | Hybrid Microwave Annealing for Fabrication of More Efficient Semiconductor Photoanodes for Solar Water Splitting. ACS Sustainable Chemistry and Engineering, 2019, 7, 944-949. | 6.7 | 15 |
| 77 | Metalâ€“insulator transition induced by electronic and structural modulations in oxygen-deficient perovskite-type TbBaCo2O5.5. Physica Status Solidi (B): Basic Research, 2006, 243, 1813-1822. | 1.5 | 14 |
| 78 | Selfâ€templated fabrication of 2-D dual nanoarchitecture Zn1-xCdxS porous nanosheet and ZnO nanorod for photoelectrochemical hydrogen production. Applied Surface Science, 2021, 539, 148267. | 6.1 | 14 |
| 79 | Linear combination of XANES for quantitative analysis of Tiâ€“Si binary oxides. Journal of Synchrotron Radiation, 2001, 8, 163-167. | 2.4 | 13 |
| 80 | Rational design of interface refining through Ti<sup>4+</sup>/Zr<sup>4+</sup> diffusion/doping and TiO<sub>2</sub>/ZrO<sub>2</sub> surface crowning of ZnFe<sub>2</sub>O<sub>4</sub> nanocorals for photoelectrochemical water splitting. Catalysis Science and Technology, 2021, 11, 3141-3152. | 4.1 | 13 |
| 81 | Synchronized effect of in-situ Ti doping and microwave-assisted SiOx hole transport channel on ZnFe2O4 nanocoral arrays for efficient photoelectrochemical water splitting. Applied Surface Science, 2022, 592, 153212. | 6.1 | 13 |
| 82 | In-situ synthesis, local structure, photoelectrochemical property of Fe-intercalated titanate nanotube. International Journal of Hydrogen Energy, 2012, 37, 11081-11089. | 7.1 | 12 |
| 83 | Facile synthesis of Bi2S3 nanosheet/Zr:Fe2O3 nanorod heterojunction: Effect of Ag interlayer on the change transport and photoelectrochemical stability. Journal of Industrial and Engineering Chemistry, 2019, 70, 311-321. | 5.8 | 12 |
| 84 | Efficient charge transfers in hematite photoanode integrated by fluorine and zirconia co-doping for photoelectrochemical water splitting. Chemical Engineering Journal, 2022, 446, 136957. | 12.7 | 11 |
| 85 | (111)-Oriented Co0.8Fe2.2O4+Î´ thin film grown by pulsed laser deposition: structural and magnetic properties. Journal of Materials Science, 2013, 48, 6960-6969. | 3.7 | 10 |
| 86 | Photocatalytic selective oxidation of the terminal methyl group of dodecane with molecular oxygen over atomically dispersed Ti in a mesoporous SiO2 matrix. Green Chemistry, 2013, 15, 3387. | 9.0 | 10 |
| 87 | Thickness dependent magnetic properties of (111)-oriented Co 0.8 Fe 2.2 O 4 thin film grown by pulsed laser deposition. Thin Solid Films, 2014, 571, 62-68. | 1.8 | 10 |
| 88 | Enhanced photoelectrochemical performance of internally porous Au-embedded Î±-Fe<sub>2</sub>O<sub>3</sub> photoanodes for water oxidation. Chemical Communications, 2017, 53, 4278-4281. | 4.1 | 10 |
| 89 | Topotactic and Self-Templated Fabrication of Zn<sub>1â€“x</sub>Cd<sub>x</sub>Se Porous Nanobeltâ€“ZnO Nanorod for Photoelectrochemical Hydrogen Production. ACS Applied Materials & Interfaces, 2021, 13, 29450-29460. | 8.0 | 10 |
| 90 | Transesterification of Dimethylcarbonate and Phenol Over Silica Supported TiO2 and Ti-MCM 41 Catalysts: Structure Insensitivity. Catalysis Letters, 2008, 123, 115-122. | 2.6 | 9 |

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| 91 | Sequestration of arsenate from aqueous solution using 2-line ferrihydrite: equilibria, kinetics, and X-ray absorption spectroscopic analysis. Environmental Earth Sciences, 2014, 71, 3307-3318. | 2.7 | 9 |
| 92 | Insights into the enhanced photoelectrochemical performance of hydrothermally controlled hematite nanostructures for proficient solar water oxidation. Dalton Transactions, 2018, 47, 4076-4086. | 3.3 | 9 |
| 93 | Effect of low-temperature solvothermal route on controlled growth mechanism of Se rich-ZnSe(en)0.5 templates for ZnO NR-Zn1-xCdxSe photoelectrodes. Applied Catalysis B: Environmental, 2021, 298, 120621. | 20.2 | 9 |
| 94 | Influence of ZnO Magnetron Sputtering on Controlled Buildout of Zirconium-Doped ZnFe<sub>2</sub>O<sub>4</sub>/Fe<sub>2</sub>O<sub>3</sub> Heterojunction Photoanodes for Photoelectrochemical Water Splitting. ACS Applied Energy Materials, 2022, 5, 915-929. | 5.1 | 9 |
| 95 | Structural characterization and effect of dehydration on the Ni-doped titanate nanotubes. Catalysis Today, 2009, 146, 230-233. | 4.4 | 8 |
| 96 | Detonated growth and functionalization of iron (III) oxyhydroxide nanorod array templates via microwave-assisted synthesis for photoelectrochemical water splitting. Applied Surface Science, 2022, 596, 153609. | 6.1 | 7 |
| 97 | Microwave-assisted surface attachment of aluminium ions on in situ diluted titanium-doped hematite photoanodes for efficient photoelectrochemical water-splitting. Sustainable Energy and Fuels, 2022, 6, 3056-3067. | 4.9 | 7 |
| 98 | Luminescence and local structure of Mn-doped ZnS hybrid crystal with two-dimensional platelet morphology. Chemical Physics Letters, 2009, 468, 253-256. | 2.6 | 5 |
| 99 | XAFS study on Mn-Ni/Al2O3catalyst for carbon dioxide reforming of methane. Journal of Synchrotron Radiation, 2001, 8, 596-598. | 2.4 | 4 |
| 100 | Correlation between the metal-insulator transition and the electronic density of states near the Fermi level in oxygen-deficient perovskite-type NdBaCo2O5.5. Physica Status Solidi (B): Basic Research, 2005, 242, 1422-1430. | 1.5 | 4 |
| 101 | Structural Characterization of AgGaS2-type Photocatalysts for Hydrogen Production from Water Under Visible Light. AIP Conference Proceedings, 2007, , . | 0.4 | 4 |
| 102 | Correlation between displacive-type ferroelectricity and electronic density of states near the Fermi level in SrBi2Ta2O9. Physica Status Solidi (B): Basic Research, 2005, 242, 899-908. | 1.5 | 3 |
| 103 | Electronic states and local structures of Cu ions in electrodeposited thin films of Cu and Cu2O from X-ray absorption spectra. Physica Status Solidi (B): Basic Research, 2006, 243, 1791-1801. | 1.5 | 3 |
| 104 | Light-Induced Cleaning of CdS and ZnS Nanoparticles: Superiority to Annealing as a Postsynthetic Treatment of Functional Nanoparticles. Journal of Physical Chemistry C, 2012, 116, 15427-15431. | 3.1 | 3 |
| 105 | Photocatalytic activity of electron-deficient and porous WO3 nanoparticles derived from thermal oxidation of bulk WC particles. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 330, 37-43. | 3.9 | 3 |
| 106 | Solid-phase arsenic speciation using XANES: preservation of arsenic species for reliable and accurate environmental risk assessment. International Journal of Environmental Analytical Chemistry, 2020, , 1-18. | 3.3 | 3 |
| 107 | Effect of Sn-self diffusion via H2 treatment on low temperature activation of hematite photoanodes. Catalysis Science and Technology, 2020, 10, 4245-4255. | 4.1 | 3 |
| 108 | Photocatalytic synthesis of oxygenated hydrocarbons from diesel fuel for mobile deNOx application. Journal of Catalysis, 2013, 302, 58-66. | 6.2 | 2 |

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| 109 | Reply to Comment on â€œQuantitative Analysis of Tiâˆ’Oâˆ’Si and Tiâˆ’Oâˆ’Ti Bonds in Tiâˆ’Si Binary Oxides by the Linear Combination of XANESâ€. Journal of Physical Chemistry B, 2001, 105, 6274-6274. | 2.6 | 1 |
| 110 | Interactions Between Tetrahydrothiophene (THT) and Silver Species in AgNa-Y. Journal of Nanoscience and Nanotechnology, 2010, 10, 203-210. | 0.9 | 1 |
| 111 | Response to Comment on â€œDry reforming of methane by stable Niâ€“Mo nanocatalysts on single-crystalline MgOâ€. Science, 2020, 368, . | 12.6 | 1 |
| 112 | Implementation of Enhanced Quick-scan Technique for Time-Resolved XAFS Experiment at PLS. AIP Conference Proceedings, 2007, , . | 0.4 | 0 |
| 113 | Observation of slowly decreasing molecular oscillations in ultrathin liquid films using X-ray reflectivity. European Physical Journal: Special Topics, 2009, 167, 163-169. | 2.6 | 0 |