# Hong Huang

List of Publications by Year
in descending order

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|---|---|---|---|
| 42<br>papers | 1,483<br>citations | 430874<br>18<br>h-index | 315739<br>38<br>g-index |
| 42<br>all docs | 42<br>docs citations | 42<br>times ranked | 2198<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Construction of Heterostructured g-C<sub>3</sub>N<sub>4</sub>/Ag/TiO<sub>2</sub> Microspheres with Enhanced Photocatalysis Performance under Visible-Light Irradiation. ACS Applied Materials & Interfaces, 2014, 6, 14405-14414. | 8.0 | 595 |
| 2 | Synthesis of ternary g-C3N4/Ag/Î³-FeOOH photocatalyst: An integrated heterogeneous Fenton-like system for effectively degradation of azo dye methyl orange under visible light. Applied Surface Science, 2017, 425, 862-872. | 6.1 | 87 |
| 3 | Synthesis of core-shell ZnO/oxygen doped g-C3N4 visible light driven photocatalyst via hydrothermal method. Journal of Alloys and Compounds, 2017, 708, 853-861. | 5.5 | 72 |
| 4 | Synthesis of porous ZnO/TiO2 thin films with superhydrophilicity and photocatalytic activity via a template-free solâ€“gel method. Surface and Coatings Technology, 2014, 258, 531-538. | 4.8 | 67 |
| 5 | Effect of polyethylene glycol on hydrophilic TiO2 films: Porosity-driven superhydrophilicity. Surface and Coatings Technology, 2010, 204, 3954-3961. | 4.8 | 57 |
| 6 | Superhydrophilicity of TiO2/SiO2 thin films: Synergistic effect of SiO2 and phase-separation-induced porous structure. Surface and Coatings Technology, 2012, 213, 126-132. | 4.8 | 55 |
| 7 | Synergistic effect of homogeneously dispersed PANI-TiN nanocomposites towards long-term anticorrosive performance of epoxy coatings. Progress in Organic Coatings, 2019, 130, 158-167. | 3.9 | 52 |
| 8 | The diacetone acrylamide crosslinking reaction and its control of coreâ€“shell polyacrylate latices at ambient temperature. Journal of Applied Polymer Science, 2012, 123, 1822-1832. | 2.6 | 43 |
| 9 | Preparation of PE-EPDM based phase change materials with great mechanical property, thermal conductivity and photo-thermal performance. Solar Energy Materials and Solar Cells, 2019, 200, 109988. | 6.2 | 38 |
| 10 | pH-driven phase separation: Simple routes for fabricating porous TiO2 film with superhydrophilic and anti-fog properties. Ceramics International, 2015, 41, 7573-7581. | 4.8 | 31 |
| 11 | Preparation of nanosheet-based spherical Ti/SnO2-Sb electrode by in-situ hydrothermal method and its performance in the degradation of methylene blue. Electrochimica Acta, 2021, 398, 139335. | 5.2 | 31 |
| 12 | Multimorphologies nano-ZnO preparing through a simple solvothermal method for photocatalytic application. Materials Letters, 2015, 141, 294-297. | 2.6 | 24 |
| 13 | Birnessite manganese oxide nanosheets assembled on Ni foam as high-performance pseudocapacitor electrodes: Electrochemical oxidation driven porous honeycomb architecture formation. Applied Surface Science, 2018, 458, 10-17. | 6.1 | 23 |
| 14 | In-situ growth of lepidocrocite on Bi2O3 rod: A perfect cycle coupling photocatalysis and heterogeneous fenton-like process by potential-level matching with advanced oxidation. Chemosphere, 2018, 210, 334-340. | 8.2 | 22 |
| 15 | Superhydrophilic porous TiO2 film prepared by phase separation through two stabilizers. Applied Surface Science, 2011, 257, 4774-4780. | 6.1 | 19 |
| 16 | Construction of Ti3+-TiO2-C3N4por compound coupling photocatalysis and Fenton-like process: Self-driven Fenton-like process without extra H2O2 addition. Chemosphere, 2020, 241, 125022. | 8.2 | 19 |
| 17 | Construction of TiO2-Fe-C3N4 compound: Promotion of interfacial charge transfer effect through facile energy level alignment. Journal of Alloys and Compounds, 2019, 781, 140-148. | 5.5 | 18 |
| 18 | Formateâ€Selective CO<sub>2</sub> Electrochemical Reduction with a Hydrogenâ€Reductionâ€Suppressing Bronze Alloy Hollowâ€Fiber Electrode. ChemSusChem, 2020, 13, 6594-6601. | 6.8 | 18 |

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|---|---|---|---|
| 19 | Strong effect of multi-electron oxygen reduction reaction on photocatalysis through the promotion of interfacial charge transfer. Applied Catalysis B: Environmental, 2019, 252, 41-46. | 20.2 | 17 |
| 20 | High-performance adjustable manganese oxides hybrid nanostructure for supercapacitors. Electrochimica Acta, 2021, 381, 138213. | 5.2 | 17 |
| 21 | Facile synthesis of the Ti3+â€“TiO2â€“rGO compound with controllable visible light photocatalytic performance: GO regulating lattice defects. Journal of Materials Science, 2018, 53, 12770-12780. | 3.7 | 16 |
| 22 | Polyaniline encapsulated Î±-zirconium phosphate nanosheet for enforcing anticorrosion performance of epoxy coating. Journal of Coatings Technology Research, 2021, 18, 999-1012. | 2.5 | 16 |
| 23 | Synthesis and structure investigation of hexamethylene diisocyanate (HDI)-based polyisocyanates. Research on Chemical Intermediates, 2017, 43, 2799-2816. | 2.7 | 15 |
| 24 | Tuning Mn2+ additive in the aqueous electrolyte for enhanced cycling stability of birnessite electrodes. Electrochimica Acta, 2019, 298, 678-684. | 5.2 | 14 |
| 25 | Ethylene-Propylene Terpolymer-Modified Polyethylene-Based Phase Change Material with Enhanced Mechanical and Thermal Properties for Building Application. Industrial & Engineering Chemistry Research, 2019, 58, 179-186. | 3.7 | 14 |
| 26 | The effect of electrolyte cation on electrochemically induced activation and capacitive performance of Mn3O4 electrodes. Electrochimica Acta, 2019, 324, 134894. | 5.2 | 13 |
| 27 | Redispersibility of Acrylate Polymer Powder and Stability of Its Reconstituted Latex. Journal of Dispersion Science and Technology, 2011, 32, 1279-1284. | 2.4 | 9 |
| 28 | Polymerization-induced phase separation in the preparation of macroporous TiO2/SiO2 thin films. Ceramics International, 2014, 40, 919-927. | 4.8 | 9 |
| 29 | Study on bifunctional acyldiphenylphosphine oxides photoinitiator for free radical polymerization. European Polymer Journal, 2022, 168, 111093. | 5.4 | 9 |
| 30 | Morphology-controlled synthesis of Ti-doped Î±-Fe2O3 nanorod arrays as an efficient photoanode for photoelectrochemical applications. Research on Chemical Intermediates, 2018, 44, 2365-2378. | 2.7 | 8 |
| 31 | A new carbazolylâ€basedacylphosphine oxide photoinitiator with high performance and low migration. Journal of Polymer Science, 2022, 60, 52-61. | 3.8 | 8 |
| 32 | Synthesis of acrylate microemulsion modified by alkoxy silane. Journal Wuhan University of Technology, Materials Science Edition, 2008, 23, 212-217. | 1.0 | 6 |
| 33 | A recycling model of excess toluene diisocyanate isomers in the preparation of polyurethane prepolymer. Journal of Applied Polymer Science, 2013, 127, 2176-2183. | 2.6 | 6 |
| 34 | Enhancing Thermal Conductivity and Photo-Driven Thermal Energy Charging/Discharging Rate of Annealed CMK-3 Based Phase Change Material. Nanomaterials, 2019, 9, 364. | 4.1 | 6 |
| 35 | Large-molecular-weight acyldiphenylphosphine oxides as low-mobility type I photoinitiator for radical polymerization. European Polymer Journal, 2022, 175, 111380. | 5.4 | 6 |
| 36 | Influence of carboxyl groups on the particle size and rheological properties of polyacrylate latices. Journal Wuhan University of Technology, Materials Science Edition, 2010, 25, 492-498. | 1.0 | 5 |

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| 37 | Pyrolysis study of waterborne polyurethane. Journal Wuhan University of Technology, Materials Science Edition, 2010, 25, 479-483. | 1.0 | 4 |
| 38 | Preparation and Formation Mechanism of Superhydrophilic Porous TiO2 Films Using Complexing Agents as Pore-Forming Materials. Science of Advanced Materials, 2014, 6, 9-17. | 0.7 | 4 |
| 39 | Electrostatic self-assembled PTh/Ag/protonated g-C3N4 nanocomposite with remarkable photocatalytic degradation for organic pollutants. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 649, 129438. | 4.7 | 4 |
| 40 | Construction of Three-Dimensional Network Structure in Polyethylene-EPDM-Based Phase Change Materials by Carbon Nanotube with Enhanced Thermal Conductivity, Mechanical Property and Photo-Thermal Conversion Performance. Polymers, 2022, 14, 2285. | 4.5 | 3 |
| 41 | Accelerated Fe(III)/Fe(II) cycle couples with in-situ generated H2O2 boosting visible light-induced Fenton-like oxidation. Separation and Purification Technology, 2022, 299, 121688. | 7.9 | 2 |
| 42 | Controllable electrochemical activation of Mn3O4: Anion effect on phase transition, morphology and capacitive performance. Electrochimica Acta, 2022, 416, 140281. | 5.2 | 1 |