Hong Huang

List of Publications by Year
in descending order

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

#	Article	IF	Citations
1	A new carbazolylâ€basedacylphosphine oxide photoinitiator with high performance and low migration. Journal of Polymer Science, 2022, 60, 52-61.	3.8	8
2	Study on bifunctional acyldiphenylphosphine oxides photoinitiator for free radical polymerization. European Polymer Journal, 2022, 168, 111093.	5.4	9
3	Controllable electrochemical activation of Mn3O4: Anion effect on phase transition, morphology and capacitive performance. Electrochimica Acta, 2022, 416, 140281.	5.2	1
4	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
5	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
6	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
7	Large-molecular-weight acyldiphenylphosphine oxides as low-mobility type I photoinitiator for radical polymerization. European Polymer Journal, 2022, 175, 111380.	5.4	6
8	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
9	High-performance adjustable manganese oxides hybrid nanostructure for supercapacitors. Electrochimica Acta, 2021, 381, 138213.	5.2	17
10	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
11	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
12	Formateâ€Selective CO₂ Electrochemical Reduction with a Hydrogenâ€Reductionâ€Suppressing Bronze Alloy Hollowâ€Fiber Electrode. ChemSusChem, 2020, 13, 6594-6601.	6.8	18
13	The effect of electrolyte cation on electrochemically induced activation and capacitive performance of Mn3O4 electrodes. Electrochimica Acta, 2019, 324, 134894.	5.2	13
14	Tuning Mn2+ additive in the aqueous electrolyte for enhanced cycling stability of birnessite electrodes. Electrochimica Acta, 2019, 298, 678-684.	5.2	14
15	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
16	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
17	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
18	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

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19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	Synthesis and structure investigation of hexamethylene diisocyanate (HDI)-based polyisocyanates. Research on Chemical Intermediates, 2017, 43, 2799-2816.	2.7	15
27	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
28	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
29	Multimorphologies nano-ZnO preparing through a simple solvothermal method for photocatalytic application. Materials Letters, 2015, 141, 294-297.	2.6	24
30	Polymerization-induced phase separation in the preparation of macroporous TiO2/SiO2 thin films. Ceramics International, 2014, 40, 919-927.	4.8	9
31	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
32	Construction of Heterostructured g-C₃N₄/Ag/TiO₂ Microspheres with Enhanced Photocatalysis Performance under Visible-Light Irradiation. ACS Applied Materials & Interfaces, 2014, 6, 14405-14414.	8.0	595
33	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
34	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
35	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
36	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

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37	Superhydrophilic porous TiO2 film prepared by phase separation through two stabilizers. Applied Surface Science, 2011, 257, 4774-4780.	6.1	19
38	Redispersibility of Acrylate Polymer Powder and Stability of Its Reconstituted Latex. Journal of Dispersion Science and Technology, 2011, 32, 1279-1284.	2.4	9
39	Pyrolysis study of waterborne polyurethane. Journal Wuhan University of Technology, Materials Science Edition, 2010, 25, 479-483.	1.0	4
40	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
41	Effect of polyethylene glycol on hydrophilic TiO2 films: Porosity-driven superhydrophilicity. Surface and Coatings Technology, 2010, 204, 3954-3961.	4.8	57
42	Synthesis of acrylate microemulsion modified by alkoxy silane. Journal Wuhan University of Technology, Materials Science Edition, 2008, 23, 212-217.	1.0	6