

# Yi Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

1,320  
citations

393982

19  
h-index

414034

32  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1422  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Stearic acid/silica fume composite as form-stable phase change material for thermal energy storage. <i>Energy and Buildings</i> , 2011, 43, 2365-2370.  | 3.1 | 155       |
| 2  | Stearic acid/polymethylmethacrylate composite as form-stable phase change materials for latent heat thermal energy storage. <i>Renewable Energy</i> , 2011, 36, 1814-1820.  | 4.3 | 128       |
| 3  | Utilization of waste phosphogypsum to prepare hydroxyapatite nanoparticles and its application towards removal of fluoride from aqueous solution. <i>Journal of Hazardous Materials</i> , 2012, 241-242, 418-426.                               | 6.5 | 110       |
| 4  | Superior supercapacitors based on nitrogen and sulfur co-doped hierarchical porous carbon: Excellent rate capability and cycle stability. <i>Journal of Power Sources</i> , 2017, 358, 112-120.   | 4.0 | 91        |
| 5  | Supercooling suppression and thermal behavior improvement of erythritol as phase change material for thermal energy storage. <i>Solar Energy Materials and Solar Cells</i> , 2017, 171, 60-71.  | 3.0 | 91        |
| 6  | Effects of fabricated technology on particle size distribution and thermal properties of stearic acid/eicosanoic acid/polymethylmethacrylate nanocapsules. <i>Solar Energy Materials and Solar Cells</i> , 2014, 120, 481-490.                  | 3.0 | 78        |
| 7  | Effect of preparation methods on the structure and thermal properties of stearic acid/activated montmorillonite phase change materials. <i>Energy and Buildings</i> , 2012, 47, 467-473.  | 3.1 | 77        |
| 8  | Fabrication and performances of new kind microencapsulated phase change material based on stearic acid core and polycarbonate shell. <i>Energy Conversion and Management</i> , 2012, 64, 1-7.   | 4.4 | 70        |
| 9  | Fabrication and characterization of stearic acid/polyaniline composite with electrical conductivity as phase change materials for thermal energy storage. <i>Energy Conversion and Management</i> , 2015, 98, 322-330.                          | 4.4 | 57        |
| 10 | Fabrication and performances of microencapsulated paraffin composites with polymethylmethacrylate shell based on ultraviolet irradiation-initiated. <i>Materials Chemistry and Physics</i> , 2012, 135, 181-187.                                | 2.0 | 50        |
| 11 | Hierarchical porous carbon nanosheet derived from waste engine oil for high-performance supercapacitor application. <i>Sustainable Energy and Fuels</i> , 2019, 3, 499-507.   | 2.5 | 49        |
| 12 | Design of stearic acid/graphene oxide-attapulgite aerogel shape-stabilized phase change materials with excellent thermophysical properties. <i>Renewable Energy</i> , 2021, 165, 504-513.   | 4.3 | 46        |
| 13 | Phosphorus and sulfur dual doped hierarchic porous carbons with superior supercapacitance performance. <i>Electrochimica Acta</i> , 2016, 222, 141-148.   | 2.6 | 38        |
| 14 | Selection of Low-Temperature Phase-Change Materials for Thermal Energy Storage Based on the VIKOR Method. <i>Energy Technology</i> , 2015, 3, 84-89.  | 1.8 | 35        |
| 15 | The composite capacitive behaviors of the N and S dual doped ordered mesoporous carbon with ultrahigh doping level. <i>Applied Surface Science</i> , 2016, 360, 807-815.  | 3.1 | 31        |
| 16 | Short-Time Hydrothermal Synthesis of CuBi <sub>2</sub> O <sub>4</sub> Nanocolumn Arrays for Efficient Visible-Light Photocatalysis. <i>Nanomaterials</i> , 2019, 9, 1257.   | 1.9 | 26        |
| 17 | Fabrication of the phosphorus doped mesoporous carbon with superior capacitive performance by microwave irradiation under ambient atmosphere: An ultra-facile and energy-efficient method. <i>Applied Surface Science</i> , 2018, 458, 119-128. | 3.1 | 25        |
| 18 | Distribution variation of heavy metals in maricultural sediments and their enrichment, ecological risk and possible source—A case study from Zhelin bay in Southern China. <i>Marine Pollution Bulletin</i> , 2016, 113, 240-246.               | 2.3 | 23        |

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|----|---|-----|-----------|
| 19 | Thermophysical properties of three-dimensional palygorskite based composite phase change materials. <i>Applied Clay Science</i> , 2020, 184, 105367.  | 2.6 | 23        |
| 20 | Microencapsulation of stearic acid with polymethylmethacrylate using iron (III) chloride as photo-initiator for thermal energy storage. <i>Chinese Journal of Chemical Engineering</i> , 2017, 25, 1524-1532. | 1.7 | 18        |
| 21 | Preparation and Characterization of Graphene Oxide Grafted Hexadecanol Composite Phase Change Material for Thermal Energy Storage. <i>Energy Technology</i> , 2017, 5, 2005-2014.                             | 1.8 | 17        |
| 22 | Preparation and Characterization of Erythritol/Graphene Oxide Shape Stable Composites with Improved Thermal Physical Property. <i>ChemistrySelect</i> , 2019, 4, 1149-1157.                                   | 0.7 | 16        |
| 23 | Preparation and characterization of the carbon Microsilica composite sorbent. <i>Advanced Powder Technology</i> , 2012, 23, 215-219.  | 2.0 | 10        |
| 24 | Effect of encapsulation and additives doping on the thermophysical properties of erythritol for thermal energy storage. <i>Journal of Renewable and Sustainable Energy</i> , 2020, 12, .                      | 0.8 | 9         |
| 25 | Paraffin/chitosan composite phase change materials fabricated by piercing-solidifying method for thermal energy storage. <i>AIP Advances</i> , 2020, 10, .  | 0.6 | 9         |
| 26 | Effect of Fabrication Methodology on Morphology, Conductivity, and Thermal Energy Storage of a Stearic Acid/Doped Polyaniline Phase Change Material. <i>Energy Technology</i> , 2015, 3, 734-742.             | 1.8 | 8         |
| 27 | Fabrication of the nitrogen doped ordered porous carbon derived from amino-maltose with excellent capacitance performance. <i>Journal of Porous Materials</i> , 2018, 25, 29-35.                              | 1.3 | 6         |
| 28 | Preparation of Nonporous Carbon-based Sorbent from Sucrose. <i>Chemistry Letters</i> , 2010, 39, 424-425.   | 0.7 | 5         |
| 29 | Preparation of attapulgite carriers with different pore structures and their effects on thermophysical properties of composite phase change materials. <i>AIP Advances</i> , 2019, 9, .                       | 0.6 | 4         |
| 30 | Preparation of a Heterogeneous Catalyst CuO-Fe <sub>2</sub> O <sub>3</sub> /CTS-ATP and Degradation of Methylene Blue and Ciprofloxacin. <i>Coatings</i> , 2022, 12, 559.                                     | 1.2 | 4         |
| 31 | Preparation and Characterisation of Sulfonic Acid-Functionalized Carbon/Loess Composite. <i>Advanced Materials Research</i> , 0, 194-196, 1652-1655.  | 0.3 | 3         |
| 32 | Preparation of three-dimensional palygorskite based carrier. <i>MethodsX</i> , 2020, 7, 100815.   | 0.7 | 2         |
| 33 | Preparation of heterogeneous Fenton catalyst Fe/organo-attapulgite and its performance in sodium humate degradation. , 0, 107, 91-99.   |     | 2         |
| 34 | One-pot synthesis of NiPt core shell nanoparticles toward efficient oxygen reduction reaction. <i>Journal of Solid State Electrochemistry</i> , 2022, 26, 1381-1388.  | 1.2 | 2         |
| 35 | Eicosane/Polycarbonate Composite as Form-Stable Phase Change Materials for Latent Heat Thermal Energy Storage. <i>Advanced Materials Research</i> , 0, 221, 78-84.  | 0.3 | 1         |
| 36 | Synthesis, Characterization of the Mn(II) Complex of Rutin and Interactions between the Complex and Serum Albumins. <i>Advanced Materials Research</i> , 0, 549, 265-268.                                     | 0.3 | 1         |

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|----|---|-----|-----------|
| 37 | Preparation of Anion Modified Montmorillonite-Polystyrene Nanocomposite by Suspension Polymerization. <i>Advanced Materials Research</i> , 2009, 87-88, 499-503.  | 0.3 | 0         |
| 38 | Adsorption Characteristics of Methylene Blue on Bentonite of Gansu Pingliang. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010, , . | 0.0 | 0         |
| 39 | Study on Desulfurization of SO <sub>2</sub> by Desulfurization Agent of Attapulgite Compounded with Calcium Oxide. <i>Applied Mechanics and Materials</i> , 2011, 71-78, 2044-2048.   | 0.2 | 0         |
| 40 | Preparation and Characterization of Polyacrylonitrile-Metal-O-MMT Nanocomposites. <i>Advanced Materials Research</i> , 2011, 221, 316-320.  | 0.3 | 0         |
| 41 | Preparation and Characterization of Citric Acid Modified Marigold Dregs Biosorbents. <i>Advanced Materials Research</i> , 0, 236-238, 895-898.  | 0.3 | 0         |
| 42 | Effect of Preparation Ways on Structure and Properties of Steraric Acid/Na <sup>+</sup> -Montmorillonite Phase-Change Composite Materials. <i>Key Engineering Materials</i> , 0, 501, 589-592.  | 0.4 | 0         |
| 43 | SDBS Degradation by a Heterogeneous Fenton-Like Reaction on Three Types of Catalysts. <i>Applied Mechanics and Materials</i> , 0, 378, 308-312.   | 0.2 | 0         |
| 44 | Study on Syntheses and Anticoagulant Action of Rare Earth Ternary Complexes with Tryptophan and Sodium Citrate. <i>Advanced Materials Research</i> , 2013, 699, 689-692.  | 0.3 | 0         |