

# Jiaoqun Zhu

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

393  
citations

933447

10  
h-index

752698

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

512  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Thermal and electrical conductivity enhancement of graphite nanoplatelets on form-stable polyethylene glycol/polymethyl methacrylate composite phase change materials. <i>Energy</i> , 2012, 39, 294-302.                        | 8.8 | 115       |
| 2  | Thermal properties of sodium nitrate-expanded vermiculite form-stable composite phase change materials. <i>Materials and Design</i> , 2016, 104, 190-196.  | 7.0 | 50        |
| 3  | Preparation and properties of capric-stearic acid/White Carbon Black composite for thermal storage in building envelope. <i>Energy and Buildings</i> , 2018, 158, 1781-1789.   | 6.7 | 33        |
| 4  | Fabrication and thermal properties of a new heat storage concrete material. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2010, 25, 628-630.  | 1.0 | 27        |
| 5  | Synthesis and thermal properties of a capric acid-modified expanded vermiculite phase change material. <i>Journal of Materials Science</i> , 2019, 54, 2231-2240.  | 3.7 | 24        |
| 6  | Effect of Modified Polyvinyl Alcohol Fibers on the Mechanical Behavior of Engineered Cementitious Composites. <i>Materials</i> , 2019, 12, 37.   | 2.9 | 22        |
| 7  | Fabrication of Ti <sub>2</sub> AlC by spark plasma sintering from elemental powders and thermodynamics analysis of Ti-Al-C system. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2007, 22, 325-328. | 1.0 | 20        |
| 8  | Fabrication of Al <sub>2</sub> O <sub>3</sub> -NaCl composite heat storage materials by one-step synthesis method. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2016, 31, 950-954.                 | 1.0 | 17        |
| 9  | Effect of phosphorus and fluorine on hydration process of tricalcium silicate and tricalcium aluminate. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012, 27, 333-336.                            | 1.0 | 16        |
| 10 | High industrial solid waste road base course binder: Performance regulation, hydration characteristics and practical application. <i>Journal of Cleaner Production</i> , 2021, 313, 127879.                                      | 9.3 | 15        |
| 11 | <i>In situ</i> synthesis, mechanical and cyclic oxidation properties of Ti <sub>3</sub> AlC <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> composites. <i>Advances in Applied Ceramics</i> , 2018, 117, 340-346.                   | 1.1 | 10        |
| 12 | Synthesis of Ti <sub>3</sub> SiC <sub>2</sub> /TiB <sub>2</sub> composite by in-situ hot pressing (HP) method. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2008, 23, 863-865.                     | 1.0 | 9         |
| 13 | Synthesis of ZnO/Ti <sub>2</sub> C composites by electrostatic self-assembly for the photocatalytic degradation of methylene blue. <i>Journal of Materials Science</i> , 2022, 57, 3954-3970.                                    | 3.7 | 9         |
| 14 | Effect of Dy <sub>2</sub> O <sub>3</sub> on thermal properties of adipic acid (AA) as phase-change materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 2999-3005.   | 3.6 | 6         |
| 15 | Enhancement of thermophysical coefficients in nanofluids: A simulation study. <i>International Journal of Modern Physics B</i> , 2020, 34, 2050222.  | 2.0 | 6         |
| 16 | Effect of tin on the reaction synthesis of ternary carbide Ti <sub>3</sub> AlC <sub>2</sub> . <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2009, 24, 283-286.                                      | 1.0 | 4         |
| 17 | Thermal Properties and the Prospects of Thermal Energy Storage of Mg-25%Cu-15%Zn Eutectic Alloy as Phase Change Material. <i>Materials</i> , 2021, 14, 3296.   | 2.9 | 3         |
| 18 | Numerical simulation on heat transfer enhancement of phase change thermal storage devices for low-middle temperature. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2016, 31, 799-804.              | 1.0 | 2         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Low-temperature synthesis of high-purity Ti <sub>2</sub> AlC powder by microwave sintering. Micro and Nano Letters, 2018, 13, 798-800.  | 1.3 | 2         |
| 20 | Effect of Modified Vermiculite on the Interface of a Capric Acid-expanded Vermiculite Composite Phase Change Material with Phase Transition Kinetics. Journal Wuhan University of Technology, Materials Science Edition, 2019, 34, 345-352. | 1.0 | 2         |
| 21 | Fabrication, Structure, and Thermal Properties of Mg-Cu Alloys as High Temperature PCM for Thermal Energy Storage. Materials, 2021, 14, 4246.   | 2.9 | 1         |