

Zhengmao Ye

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

792
citations

623734

14
h-index

552781

26
g-index

52
all docs

52
docs citations

52
times ranked

779
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Modified carbon fiber/magnetic graphene/epoxy composites with synergistic effect for electromagnetic interference shielding over broad frequency band. <i>Journal of Colloid and Interface Science</i> , 2017, 506, 217-226. | 9.4 | 86 |
| 2 | High-Performance Pr ³⁺ -Doped Scandate Optical Thermometry: 200 K of Sensing Range with Relative Temperature Sensitivity above 2%·K ⁻¹ . <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 42330-42338. | 8.0 | 60 |
| 3 | Introducing reduced graphene oxide to enhance the thermal properties of cement composites. <i>Cement and Concrete Composites</i> , 2020, 109, 103559. | 10.7 | 58 |
| 4 | From graphene oxide to reduced graphene oxide: Enhanced hydration and compressive strength of cement composites. <i>Construction and Building Materials</i> , 2020, 248, 118699. | 7.2 | 47 |
| 5 | Effect of graphene nanoplatelets on hydration behaviour of Portland cement by thermal analysis. <i>Advances in Cement Research</i> , 2017, 29, 63-70. | 1.6 | 42 |
| 6 | Hierarchically ordered porous Ni-based cathode-supported solid oxide electrolysis cells for stable CO ₂ electrolysis without safe gas. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24098-24102. | 10.3 | 35 |
| 7 | Improved gas diffusion within microchanneled cathode supports of SOECs for steam electrolysis. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 19829-19835. | 7.1 | 34 |
| 8 | Autothermal reforming of methane over an integrated solid oxide fuel cell reactor for power and syngas co-generation. <i>Journal of Power Sources</i> , 2021, 513, 230536. | 7.8 | 28 |
| 9 | A microchannel reactor-integrated ceramic fuel cell with dual-coupling effect for efficient power and syngas co-generation from methane. <i>Applied Catalysis B: Environmental</i> , 2021, 297, 120443. | 20.2 | 25 |
| 10 | A promising temperature sensing strategy based on highly sensitive Pr ³⁺ -doped SrRE ₂ O ₄ (RE=Sc, Lu and) Tj ETQq,0,0 0 rgBT /Overloc | 12.7 | 21 |
| 11 | Elevated-temperature bio-ethanol-assisted water electrolysis for efficient hydrogen production. <i>Chemical Engineering Journal</i> , 2022, 434, 134699. | 12.7 | 21 |
| 12 | Effect of NiO/YSZ cathode support pore structure on CO ₂ electrolysis via solid oxide electrolysis cells. <i>Journal of the European Ceramic Society</i> , 2018, 38, 5051-5057. | 5.7 | 19 |
| 13 | Essential microstructure of cathode functional layers of solid oxide electrolysis cells for CO ₂ electrolysis. <i>Journal of CO₂ Utilization</i> , 2019, 32, 214-218. | 6.8 | 19 |
| 14 | Exploiting novel optical thermometry near room temperature with a combination of phase-change host and luminescent Pr ³⁺ ion. <i>Chemical Engineering Journal</i> , 2021, 414, 128884. | 12.7 | 17 |
| 15 | Influence of synthesis methods on ettringite dehydration. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 2031-2038. | 3.6 | 14 |
| 16 | Design of graphene oxide by a one-pot synthetic route for catalytic conversion of furfural alcohol to ethyl levulinate. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 3093-3101. | 3.2 | 14 |
| 17 | Study on the hydration product of ettringite in cement paste with ethanol-diisopropanolamine. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 1007-1016. | 3.6 | 14 |
| 18 | Enhanced Dispersion of Graphene Oxide in Cement Matrix with Isolated-Dispersion Strategy. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 10221-10228. | 3.7 | 14 |

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|----|---|------|-----------|
| 19 | Catalytic CeO ₂ washcoat over microchanneled supporting cathodes of solid oxide electrolysis cells for efficient and stable CO ₂ reduction. <i>Journal of Power Sources</i> , 2019, 412, 344-349. | 7.8 | 13 |
| 20 | Synthesis, crystal structure and photoluminescence properties of novel Ba ₃ Lu ₄ O ₉ :Ce ³⁺ orange-red phosphors for white light emitting diodes. <i>Journal of Alloys and Compounds</i> , 2020, 819, 153047. | 5.5 | 13 |
| 21 | Robust Anode-Supported Cells with Fast Oxygen Release Channels for Efficient and Stable CO ₂ Electrolysis at Ultrahigh Current Densities. <i>Small</i> , 2021, 17, e2007211. | 10.0 | 13 |
| 22 | A nanocatalyst network for electrochemical reduction of CO ₂ over microchanneled solid oxide electrolysis cells. <i>Electrochemistry Communications</i> , 2018, 86, 72-75. | 4.7 | 11 |
| 23 | Phase Identification of $\hat{1}^3$ - and $\hat{1}^2$ -Ca ₂ SiO ₄ via the Rear-Earth Fluorescence Probe. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13877-13884. | 3.1 | 11 |
| 24 | Efficient conversion of methane into power via microchanneled solid oxide fuel cells. <i>Journal of Power Sources</i> , 2020, 453, 227848. | 7.8 | 11 |
| 25 | Modulation of two ye'elimites phases via Ga ³⁺ cation substitution. <i>CrystEngComm</i> , 2018, 20, 3755-3764. | 2.6 | 10 |
| 26 | Exploring crystal-field splittings of Eu ³⁺ ions in $\hat{1}^3$ - and $\hat{1}^2$ -SrGa ₂ O ₄ . <i>Journal of Luminescence</i> , 2019, 210, 155-163. | 3.1 | 9 |
| 27 | Facile one-pot synthesis of long-term thermally stable CDs@AlOOH toward white-light illumination. <i>Journal of Materials Chemistry C</i> , 2019, 7, 14717-14724. | 5.5 | 9 |
| 28 | Unraveling the valence states of manganese ions and the effects of composition variation and post-processing in YGG ₁ -LuGG :Mn garnet optical sensor. <i>Chemical Engineering Journal</i> , 2021, 411, 128448. | 12.7 | 9 |
| 29 | Effects of graphene oxide on the hydration behavior of ye TM elimites. <i>Journal of Materials Science</i> , 2019, 54, 12582-12591. | 3.7 | 8 |
| 30 | Study on Nanofibrous Catalysts Prepared by Electrospinning for Methane Partial Oxidation. <i>Catalysts</i> , 2019, 9, 479. | 3.5 | 8 |
| 31 | The effect of gypsum on the hydration of alite-belite-ferrite phase system. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 136, 717-724. | 3.6 | 8 |
| 32 | Comprehensive evaluation of formation kinetics in preparation of ternesite from different polymorphs of Ca ₂ SiO ₄ . <i>Journal of Solid State Chemistry</i> , 2020, 292, 121725. | 2.9 | 8 |
| 33 | Importance of the synergistic effects between cobalt sulfate and tetrahydrofuran for selective production of 5-hydroxymethylfurfural from carbohydrates. <i>Catalysis Science and Technology</i> , 2020, 10, 2293-2302. | 4.1 | 8 |
| 34 | Robust Joule-heating ceramic reactors for catalytic CO oxidation. <i>Journal of Advanced Ceramics</i> , 2022, 11, 1163-1171. | 17.4 | 8 |
| 35 | Enhancement of angucycline production by combined UV mutagenesis and ribosome engineering and fermentation optimization in <i>Streptomyces dengpaensis</i> XZHG99 ^T . <i>Preparative Biochemistry and Biotechnology</i> , 2021, 51, 173-182. | 1.9 | 7 |
| 36 | Facile Post-synthesis of a Ce ³⁺ -Doped Ca _x Sr _{1-x} Sc ₂ O ₄ Phosphor by Means of Cation Exchange. <i>ChemistrySelect</i> , 2018, 3, 4387-4392. | 1.5 | 6 |

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|----|---|-----|-----------|
| 37 | Optimization of Cathode Functional Layers of Solid Oxide Electrolysis Cells. ACS Applied Materials & Interfaces, 2020, 12, 40917-40924. | 8.0 | 5 |
| 38 | Enhancing the Photoluminescence Property of Pr ³⁺ Ions by Understanding the Polymorphous Influence of the K ₃ Lu(PO ₄) ₂ Host. Inorganic Chemistry, 2021, 60, 14978-14987. | 4.0 | 5 |
| 39 | An Eco-Friendly Acid Leaching Strategy for Dealkalization of Red Mud by Controlling Phase Transformation. Materials, 2022, 15, 580. | 2.9 | 5 |
| 40 | Electrochemical conversion of CO ₂ over microchanneled cathode supports of solid oxide electrolysis cells. Journal of CO ₂ Utilization, 2018, 26, 179-183. | 6.8 | 4 |
| 41 | Trace detection of impurity phase in preparation of Y ₂ O ₃ by Eu ³⁺ fluorescence probe. Sensors and Actuators B: Chemical, 2019, 296, 126607. | 7.8 | 4 |
| 42 | Fast preparation of Ce ³⁺ -activated scandate for high-color-rendering warm white-light illumination by cation exchange. Journal of Luminescence, 2019, 212, 361-367. | 3.1 | 4 |
| 43 | Regulation of Fe ³⁺ -doped Sr ₄ Al ₆ SO ₁₆ crystalline structure. Journal of Solid State Chemistry, 2020, 288, 121415. | 2.9 | 4 |
| 44 | Improving the cracking resistance of mortar by reduced graphene oxide. Construction and Building Materials, 2021, 310, 125150. | 7.2 | 4 |
| 45 | Streptomyces tibetensis sp. nov., an actinomycete isolated from the Tibetan Plateau. Antonie Van Leeuwenhoek, 2020, 113, 33-41. | 1.7 | 3 |
| 46 | Site engineering of Ce ³⁺ -doped calcium scandate phosphors and understanding of relevant red-shifted emitting from green to yellow. Ceramics International, 2020, 46, 20004-20011. | 4.8 | 3 |
| 47 | Rational Design of a Nd ³⁺ & Mn ⁴⁺ Co-doped Luminescent Thermometer: Towards High Sensitivity Temperature Sensing. ChemPhotoChem, 2021, 5, 455-465. | 3.0 | 3 |
| 48 | Studying crystal-field splitting difference of Eu ³⁺ ions from orthorhombic to cubic Ca ₄ Al ₆ SO ₁₆ . Ceramics International, 2020, 46, 5998-6005. | 4.8 | 2 |
| 49 | Exploring impurity phases derived from the introduction of vanadium ions in yttrium gallium garnet. Ceramics International, 2020, 46, 25996-26003. | 4.8 | 2 |
| 50 | Study on the hydration properties of two polymorphs of Sr ₄ Al ₆ SO ₁₆ . Ceramics International, 2021, 47, 13820-13826. | 4.8 | 2 |
| 51 | Pyomelanin produced by Streptomyces sp. ZL-24 and its protective effects against SH-SY5Y cells injury induced by hydrogen peroxide. Scientific Reports, 2021, 11, 16649. | 3.3 | 2 |
| 52 | Structural analysis and phase transformation of doped strontium sulfoaluminate. Journal of Alloys and Compounds, 2021, 877, 160154. | 5.5 | 2 |