

Weixing Wang

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

2,512
citations

257101

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264894

42
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all docs

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docs citations

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times ranked

2649
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A Highly Effective Inorganic Composite Promoter: Synergistic Effect of Boric Acid and Calcium Hydroxide in Promoting Methane Hydrate Formation under Static Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 3775-3780. | 1.8 | 2 |
| 2 | Lignocellulose aerogel and amorphous silica nanoparticles from rice husks. <i>Journal of Leather Science and Engineering</i> , 2021, 3, . | 2.7 | 6 |
| 3 | Facile synthesis of photoluminescent mesoporous silica. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 815-818. | 9.9 | 10 |
| 4 | Dry hydrated potassium carbonate for effective CO ₂ capture. <i>Dalton Transactions</i> , 2020, 49, 3965-3969. | 1.6 | 5 |
| 5 | Chinese herbs: treasure troves for the discovery of environmentally friendly promoters for methane hydrate formation. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5947-5951. | 2.5 | 8 |
| 6 | Boric acid: the first effective inorganic promoter for methane hydrate formation under static conditions. <i>Sustainable Energy and Fuels</i> , 2020, 4, 4478-4481. | 2.5 | 11 |
| 7 | Ultralong lifetime and efficient room temperature phosphorescent carbon dots through multi-confinement structure design. <i>Nature Communications</i> , 2020, 11, 5591. | 5.8 | 202 |
| 8 | CO ₂ Hydrate Formation Promoted by a Bio-friendly Amino Acid L-Isoleucine. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 474, 052054. | 0.2 | 11 |
| 9 | Design and Fabrication of Highly Photoluminescent Carbon-Incorporated Silica from Rice Husk Biomass. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 4688-4694. | 1.8 | 7 |
| 10 | Synthesis of green phosphors from highly active amorphous silica derived from rice husks. <i>Journal of Materials Science</i> , 2018, 53, 1824-1832. | 1.7 | 23 |
| 11 | Methane Storage in Biosilica-Supported Semiclathrates at Ambient Temperature and Pressure. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 301, 012033. | 0.3 | 1 |
| 12 | Versatile Nanostructures from Rice Husk Biomass for Energy Applications. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13722-13734. | 7.2 | 81 |
| 13 | Vierfältige Nanostrukturen aus Reishälsen-Biomasse für Energieanwendungen. <i>Angewandte Chemie</i> , 2018, 130, 13914-13927. | 1.6 | 8 |
| 14 | Effective Capture of Carbon Dioxide Using Hydrated Sodium Carbonate Powders. <i>Materials</i> , 2018, 11, 183. | 1.3 | 19 |
| 15 | One-Pot Facile Synthesis of Graphene Quantum Dots from Rice Husks for Fe ³⁺ Sensing. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 9144-9150. | 1.8 | 73 |
| 16 | CO ₂ Hydrate Formation Promoted by a Natural Amino Acid -Methionine for Possible Application to CO ₂ Capture and Storage. <i>Energy Technology</i> , 2017, 5, 1195-1199. | 1.8 | 99 |
| 17 | Photoluminescent carbon quantum dot grafted silica nanoparticles directly synthesized from rice husk biomass. <i>Journal of Materials Chemistry B</i> , 2017, 5, 4679-4689. | 2.9 | 71 |
| 18 | Luminescence Mechanism of Carbon-Incorporated Silica Nanoparticles Derived from Rice Husk Biomass. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 5906-5912. | 1.8 | 26 |

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|----|---|------|-----------|
| 19 | Large-Scale and Controllable Synthesis of Graphene Quantum Dots from Rice Husk Biomass: A Comprehensive Utilization Strategy. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1434-1439. | 4.0 | 236 |
| 20 | Graphene oxide-polythiophene derivative hybrid nanosheet for enhancing performance of supercapacitor. <i>Journal of Power Sources</i> , 2016, 306, 241-247. | 4.0 | 103 |
| 21 | Methane Storage in a Hydrated Form as Promoted by Leucines for Possible Application to Natural Gas Transportation and Storage. <i>Energy Technology</i> , 2015, 3, 815-819. | 1.8 | 139 |
| 22 | Photoluminescent mesoporous carbon-doped silica from rice husks. <i>Materials Letters</i> , 2015, 142, 280-282. | 1.3 | 28 |
| 23 | Knitting hypercrosslinked conjugated microporous polymers with external crosslinker. <i>Polymer</i> , 2015, 70, 336-342. | 1.8 | 77 |
| 24 | Synthesis of Gold Nanoparticles on Rice Husk Silica for Catalysis Applications. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 5656-5663. | 1.8 | 47 |
| 25 | Synthesis and colour prediction of stable pigments from rice husk biomass. <i>Green Materials</i> , 2015, 3, 10-14. | 1.1 | 16 |
| 26 | Methane storage in tea clathrates. <i>Chemical Communications</i> , 2014, 50, 1244-1246. | 2.2 | 21 |
| 27 | “Dry bases”: carbon dioxide capture using alkaline dry water. <i>Energy and Environmental Science</i> , 2014, 7, 1786-1791. | 15.6 | 42 |
| 28 | Aqueous phase preparation of graphene with low defect density and adjustable layers. <i>Chemical Communications</i> , 2013, 49, 10835. | 2.2 | 41 |
| 29 | Extraction of Lignocellulose and Synthesis of Porous Silica Nanoparticles from Rice Husks: A Comprehensive Utilization of Rice Husk Biomass. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 254-259. | 3.2 | 135 |
| 30 | Gas storage in renewable bioclathrates. <i>Energy and Environmental Science</i> , 2013, 6, 105-107. | 15.6 | 36 |
| 31 | Synthesis of silicon complexes from rice husk derived silica nanoparticles. <i>RSC Advances</i> , 2012, 2, 9036. | 1.7 | 26 |
| 32 | Methane hydrates with a high capacity and a high formation rate promoted by biosurfactants. <i>Chemical Communications</i> , 2012, 48, 11638. | 2.2 | 33 |
| 33 | Silica Nanoparticles and Frameworks from Rice Husk Biomass. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 977-981. | 4.0 | 186 |
| 34 | Microencapsulation using an oil-in-water-in-air “dry water emulsion”. <i>Chemical Communications</i> , 2011, 47, 8253. | 2.2 | 13 |
| 35 | Harvesting silica nanoparticles from rice husks. <i>Journal of Nanoparticle Research</i> , 2011, 13, 6981-6990. | 0.8 | 110 |
| 36 | Hydrogen permeability of Pd-Ag membrane modules with porous stainless steel substrates. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 1014-1026. | 3.8 | 18 |

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|----|--|-----|-----------|
| 37 | Reaction/separation coupled equilibrium modeling of steam methane reforming in fluidized bed membrane reactors. International Journal of Hydrogen Energy, 2010, 35, 11798-11809. | 3.8 | 12 |
| 38 | Gas Storage in "Dry Water" and "Dry Gel" Clathrates. Langmuir, 2010, 26, 3186-3193. | 1.6 | 154 |
| 39 | Reversible Methane Storage in a Polymer-Supported Semi-Clathrate Hydrate at Ambient Temperature and Pressure. Chemistry of Materials, 2009, 21, 3810-3815. | 3.2 | 45 |
| 40 | Methane Storage in Dry Water Gas Hydrates. Journal of the American Chemical Society, 2008, 130, 11608-11609. | 6.6 | 303 |
| 41 | Synthesis and evaluation of sulphonated acetone-formaldehyde resin applied as dispersant of coal-water slurry. Energy Conversion and Management, 2007, 48, 204-209. | 4.4 | 25 |
| 42 | A Preliminary Study on Rice Husk Filled Polypropylene Composite. Materials Research Society Symposia Proceedings, 2000, 661, KK5.14.1. | 0.1 | 3 |