# Ming Meng

List of Publications by Year
in descending order

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|---|---|---|---|
| 39<br>papers | 1,399<br>citations | 430874<br>18<br>h-index | 330143<br>37<br>g-index |
| 39<br>all docs | 39<br>docs citations | 39<br>times ranked | 2363<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Black 3D-TiO2 Nanotube Arrays on Ti Meshes for Boosted Photoelectrochemical Water Splitting. Nanomaterials, 2022, 12, 1447. | 4.1 | 3 |
| 2 | Copper nanoparticles with near-unity, omnidirectional, and broadband optical absorption for highly efficient solar steam generation. Nanotechnology, 2019, 30, 015402. | 2.6 | 59 |
| 3 | Hydrogenated TiO<sub>2</sub> nanotube photonic crystals for enhanced photoelectrochemical water splitting. Nanotechnology, 2018, 29, 155401. | 2.6 | 14 |
| 4 | Ferromagnetism induced by point defect in Janus monolayer MoSSe regulated by strain engineering. Journal Physics D: Applied Physics, 2018, 51, 105004. | 2.8 | 33 |
| 5 | Ferromagnetism regulated by edged cutting and optical identification in monolayer PtSe2 nanoribbons. Journal Physics D: Applied Physics, 2018, 51, 225007. | 2.8 | 10 |
| 6 | Efficient hydrogen evolution catalyzed by amorphous molybdenum sulfide/N-doped active carbon hybrid on carbon fiber paper. International Journal of Hydrogen Energy, 2018, 43, 15135-15143. | 7.1 | 14 |
| 7 | TiO2 nanotube photonic crystal fabricated by two-step anodization method for enhanced photoelectrochemical water splitting. Materials Letters, 2017, 207, 96-99. | 2.6 | 8 |
| 8 | Controlled synthesis of hierarchically crossed metal oxide nanosheet arrays for diesel soot elimination. Chemical Communications, 2017, 53, 8517-8520. | 4.1 | 13 |
| 9 | Dimethyl ether steam reforming to produce H<sub>2</sub> over Ga-doped ZnO/Î³-Al<sub>2</sub>O<sub>3</sub> catalysts. RSC Advances, 2016, 6, 52411-52420. | 3.6 | 6 |
| 10 | Hydrogenated Cagelike Titania Hollow Spherical Photocatalysts for Hydrogen Evolution under Simulated Solar Light Irradiation. ACS Applied Materials & Interfaces, 2016, 8, 23006-23014. | 8.0 | 67 |
| 11 | Ultrasonic-assisted synthesis of amorphous Bi2S3 coupled (BiO)2CO3 catalyst with improved visible light-responsive photocatalytic activity. Journal of Materials Science, 2015, 50, 1594-1604. | 3.7 | 19 |
| 12 | Calcination system-induced nanocasting synthesis of uniform Co<sub>3</sub>O<sub>4</sub> nanoparticles with high surface area and enhanced catalytic performance. RSC Advances, 2015, 5, 35524-35534. | 3.6 | 18 |
| 13 | GravityâEDriven Multiple CollisionâEEnhanced Catalytic Soot Combustion over a SpaceâEOpen Array Catalyst Consisting of Ultrathin Ceria Nanobelts. Small, 2015, 11, 3659-3664. | 10.0 | 43 |
| 14 | Amorphous nickel/cobalt tungsten sulfide electrocatalysts for high-efficiency hydrogen evolution reaction. Applied Surface Science, 2015, 341, 149-156. | 6.1 | 76 |
| 15 | Strong Facet-Induced and Light-Controlled Room-Temperature Ferromagnetism in Semiconducting Î²-FeSi<sub>2</sub> Nanocubes. Journal of the American Chemical Society, 2015, 137, 11419-11424. | 13.7 | 12 |
| 16 | In Situ Formation of Disorder-Engineered TiO<sub>2</sub>(B)-Anatase Heterophase Junction for Enhanced Photocatalytic Hydrogen Evolution. ACS Applied Materials & Interfaces, 2015, 7, 24987-24992. | 8.0 | 103 |
| 17 | Metamorphosis-like photochemical growth route for silver nanoprisms synthesis via the unrevealed key intermediates of nanorods and nanotrapezoids. Journal of Nanoparticle Research, 2014, 16, 1. | 1.9 | 3 |
| 18 | Cubic In<sub>2</sub>O<sub>3</sub> Microparticles for Efficient Photoelectrochemical Oxygen Evolution. Journal of Physical Chemistry Letters, 2014, 5, 4298-4304. | 4.6 | 49 |

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|---|---|---|---|
| 19 | Enhanced Photodegradation of Methyl Orange Synergistically by Microcrystal Facet Cutting and Flexible Electrically-Conducting Channels. Journal of Physical Chemistry C, 2014, 118, 28063-28068. | 3.1 | 23 |
| 20 | Facet Cutting and Hydrogenation of In<sub>2</sub>O<sub>3</sub> Nanowires for Enhanced Photoelectrochemical Water Splitting. ACS Applied Materials & Interfaces, 2014, 6, 4081-4088. | 8.0 | 58 |
| 21 | Ambient ultrasonic-assisted synthesis, stepwise growth mechanisms, and photocatalytic activity of flower-like nanostructured ZnO and Ag/ZnO. Journal of Nanoparticle Research, 2014, 16, 1. | 1.9 | 19 |
| 22 | Photothermal Contribution to Enhanced Photocatalytic Performance of Graphene-Based Nanocomposites. ACS Nano, 2014, 8, 9304-9310. | 14.6 | 240 |
| 23 | Effects of Synthesis Routes on the States and Catalytic Performance of Manganese Oxides Used for Diesel Soot Combustion. Catalysis Letters, 2014, 144, 1210-1218. | 2.6 | 12 |
| 24 | Domain-Confined Multiple Collision Enhanced Catalytic Soot Combustion over a Fe<sub>2</sub>O<sub>3</sub>/TiO<sub>2</sub>â€“Nanotube Array Catalyst Prepared by Light-Assisted Cyclic Magnetic Adsorption. ACS Catalysis, 2014, 4, 934-941. | 11.2 | 55 |
| 25 | A unified intermediate and mechanism for soot combustion on potassium-supported oxides. Scientific Reports, 2014, 4, 4725. | 3.3 | 57 |
| 26 | Highly efficient NOx purification in alternating lean/rich atmospheres over non-platinic mesoporous perovskite-based catalyst K/LaCoO3. Catalysis Science and Technology, 2013, 3, 1915. | 4.1 | 20 |
| 27 | Carbonate-Based Lean-Burn NOx Trap Catalysts Ptâ€“K<sub>2</sub>CO<sub>3</sub>/ZrO<sub>2</sub> with Large NOx Storage Capacity and High Reduction Efficiency. Journal of Physical Chemistry C, 2013, 117, 4089-4097. | 3.1 | 28 |
| 28 | Superior Performance of Mesoporous TiO2â€“Al2O3 Supported NSR Catalysts with the Support Synthesized Using Nonionic and Cationic Surfactants as Co-Templates. Catalysis Letters, 2012, 142, 1067-1074. | 2.6 | 9 |
| 29 | De-NOx in alternative lean/rich atmospheres on La1â^'xSrxCoO3 perovskites. Energy and Environmental Science, 2011, 4, 3351. | 30.8 | 87 |
| 30 | Converting inorganicâ€“organic hybrid sulfides into oxides: A general strategy to hierarchical-porous-structured thermal-stable metal oxides with improved catalytic performance. Journal of Materials Chemistry, 2011, 21, 10525. | 6.7 | 12 |
| 31 | Perovskite-Based Lean-Burn NO x Trap Catalysts Without Using Platinum Group Metals: K/LaCoO3/Ce1â^'x Zr x O2. Catalysis Letters, 2011, 141, 1364-1370. | 2.6 | 9 |
| 32 | Effect of supercritical fluid of CO2 drying during Cu/ZnO catalyst preparation on methanol synthesis from syngas at low temperature. Research on Chemical Intermediates, 2011, 37, 397-403. | 2.7 | 6 |
| 33 | High-Temperature NO x Storage and Sulfur-Resistance of the Lithium-Based Lean-Burn NO x Trap Catalyst Pt/Li/TiO2â€“Al2O3. Catalysis Letters, 2010, 136, 234-242. | 2.6 | 6 |
| 34 | Hydroformylation of 1-Hexene on Silicalite-1 Zeolite Membrane Coated Pdâ€“Co/A.C. Catalyst. Topics in Catalysis, 2010, 53, 608-614. | 2.8 | 17 |
| 35 | The Effect of Al2O3 Doping into TiO2â€“ZrO2 on the Storage and Sulfur-resistance Performance of the NO x Trap Catalyst Pt/K/TiO2â€“ZrO2. Catalysis Letters, 2009, 128, 475-482. | 2.6 | 10 |
| 36 | The Nanomorphology-Controlled Palladium-Support Interaction and the Catalytic Performance of Pd/CeO2 Catalysts. Catalysis Letters, 2009, 133, 328-333. | 2.6 | 28 |

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|---|---|---|---|
| 37 | Dual templates assisted preparation and characterization of highly thermostable multicomponent mesoporous material Laâ€“Ceâ€“Coâ€“Zrâ€“O used for low-temperature CO oxidation. Journal of Materials Science, 2008, 43, 1958-1965. | 3.7 | 8 |
| 38 | Identification of the Active Sites for CO and C<sub>3</sub>H<sub>8</sub> Total Oxidation over Nanostructured CuOâ"CeO<sub>2</sub> and Co<sub>3</sub>O<sub>4</sub>â"CeO<sub>2</sub> Catalysts. Journal of Physical Chemistry C, 2008, 112, 8694-8701. | 3.1 | 128 |
| 39 | A mesoporous oxidation catalyst Laâ€“Coâ€“Ceâ€“O prepared by citric acid complexation and organic template decomposition method. Catalysis Letters, 2007, 116, 50-56. | 2.6 | 17 |