# Zhongpeng Wang

List of Publications by Year
in descending order



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|---|---|---|---|
| 56 papers | 1,505 citations | 331538 21 h-index | 315616 38 g-index |
| 56 all docs | 56 docs citations | 56 times ranked | 1778 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Ceâ€“Ti Amorphous Oxides for Selective Catalytic Reduction of NO with NH<sub>3</sub>: Confirmation of Ceâ€“Oâ€“Ti Active Sites. Environmental Science & Technology, 2012, 46, 9600-9605. | 4.6 | 349 |
| 2 | Catalytic performance and mechanism of potassium-promoted Mgâ€“Al hydrotalcite mixed oxides for soot combustion with O2. Journal of Catalysis, 2010, 271, 12-21. | 3.1 | 122 |
| 3 | Facile fabrication of 3D flower-like heterostructured g-C<sub>3</sub>N<sub>4</sub>/SnS<sub>2</sub> composite with efficient photocatalytic activity under visible light. RSC Advances, 2014, 4, 31019-31027. | 1.7 | 71 |
| 4 | Simultaneous catalytic removal of NO and soot particulate over Coâ€“Al mixed oxide catalysts derived from hydrotalcites. Catalysis Communications, 2007, 8, 1659-1664. | 1.6 | 57 |
| 5 | Catalytic combustion of soot particulates over rare-earth substituted Ln2Sn2O7 pyrochlores (Ln = La,) Tj ETQq1 1 0.784314 rgBT /Over | 5.0 | 54 |
| 6 | Identification of active oxygen species for soot combustion on LaMnO3 perovskite. Catalysis Science and Technology, 2012, 2, 1822. | 2.1 | 53 |
| 7 | Determination of Intermediates and Mechanism for Soot Combustion with NO<sub>x</sub>/O<sub>2</sub> on Potassium-Supported Mgâ€“Al Hydrotalcite Mixed Oxides by In Situ FTIR. Environmental Science & Technology, 2010, 44, 8254-8258. | 4.6 | 49 |
| 8 | Removal of phenolic substances from wastewater by algae. A review. Environmental Chemistry Letters, 2020, 18, 377-392. | 8.3 | 46 |
| 9 | Preparation, characterisation, and desalination performance study of cellulose acetate membranes with MIL-53(Fe) additive. Journal of Membrane Science, 2019, 590, 117057. | 4.1 | 42 |
| 10 | Catalytic oxidation of CO over mesoporous copper-doped ceria catalysts via a facile CTAB-assisted synthesis. RSC Advances, 2018, 8, 14888-14897. | 1.7 | 38 |
| 11 | Synthesis of rare earth (Pr, Nd, Sm, Eu and Gd) hydroxide and oxide nanorods (nanobundles) by a widely applicable precipitation route. Journal of Alloys and Compounds, 2010, 507, 105-111. | 2.8 | 35 |
| 12 | Catalytic oxidation of soot on mesoporous ceria-based mixed oxides with cetyltrimethyl ammonium bromide (CTAB)-assisted synthesis. Journal of Colloid and Interface Science, 2017, 508, 1-13. | 5.0 | 34 |
| 13 | Simultaneous catalytic removal of NOx and soot particulates over CuMgAl hydrotalcites derived mixed metal oxides. Applied Clay Science, 2012, 55, 125-130. | 2.6 | 33 |
| 14 | Quantification of the active site density and turnover frequency for soot combustion with O2 on Cr doped CeO2. Catalysis Today, 2011, 175, 112-116. | 2.2 | 31 |
| 15 | A reductant-resistant ratiometric, colorimetric and far-red fluorescent probe for rapid and ultrasensitive detection of nitroxyl. Journal of Materials Chemistry B, 2017, 5, 3557-3564. | 2.9 | 29 |
| 16 | Lanthanum-promoted copper-based hydrotalcites derived mixed oxides for NOx adsorption, soot combustion and simultaneous NOx-soot removal. Materials Research Bulletin, 2014, 51, 119-127. | 2.7 | 27 |
| 17 | Effect of surface and bulk palladium doping on the catalytic activity of La2Sn2O7 pyrochlore oxides for diesel soot oxidation. Journal of Materials Science, 2019, 54, 4495-4510. | 1.7 | 24 |
| 18 | Catalytic oxidation of diesel soot on mixed oxides derived from hydrotalcites. Catalysis Letters, 2006, 112, 149-154. | 1.4 | 23 |

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|---|---|---|---|
| 19 | Direct Spectroscopic Evidence of CO Spillover and Subsequent Reaction with Preadsorbed NO<sub>x</sub> on Pd and K Cosupported Mgâ€“Al Mixed Oxides. Environmental Science & Technology, 2012, 46, 9614-9619. | 4.6 | 23 |
| 20 | Preparation and Characterization of Novel Polyvinylidene Fluoride/2-Aminobenzothiazole Modified Ultrafiltration Membrane for the Removal of Cr(VI) in Wastewater. Polymers, 2018, 10, 19. | 2.0 | 22 |
| 21 | Catalytic oxidation of CO on mesoporous codoped ceria catalysts: Insights into correlation of physicochemical property and catalytic activity. Journal of Rare Earths, 2019, 37, 961-969. | 2.5 | 22 |
| 22 | Promotion Effects of Cesium on Perovskite Oxides for Catalytic Soot Combustion. Catalysis Letters, 2016, 146, 1397-1407. | 1.4 | 20 |
| 23 | Synthesis and characterization of Coâ€“Alâ€“Fe nonstoichiometric spinel-type catalysts for catalytic CO oxidation. RSC Advances, 2016, 6, 27052-27059. | 1.7 | 18 |
| 24 | Enhanced catalytic performance of cobalt and iron co-doped ceria catalysts for soot combustion. Journal of Materials Science, 2020, 55, 283-297. | 1.7 | 18 |
| 25 | Rare-earth (Nd, Sm, Eu, Gd and Y) enhanced CeO2 solid solution nanorods prepared by co-precipitation without surfactants. Materials Letters, 2010, 64, 2659-2662. | 1.3 | 17 |
| 26 | NO<sub>x</sub> storage and soot combustion over well-dispersed mesoporous mixed oxides via hydrotalcite-like precursors. RSC Advances, 2015, 5, 52743-52753. | 1.7 | 17 |
| 27 | Catalytic Oxidation of Soot on a Novel Active Ca-Co Dually-Doped Lanthanum Tin Pyrochlore Oxide. Materials, 2018, 11, 653. | 1.3 | 17 |
| 28 | Synthesis of CeO<sub>2</sub>â€Based Quantum Dots through a Polyolâ€Hydrolysis Method for Fuelâ€Borne Catalysts. ChemCatChem, 2011, 3, 1772-1778. | 1.8 | 14 |
| 29 | Determination of Mechanism for Soot Oxidation with NO on Potassium Supported Mgâ€Al Hydrotalcite Mixed Oxides. Chemical Engineering and Technology, 2011, 34, 1864-1868. | 0.9 | 14 |
| 30 | A Rational Design of the Sintering-Resistant Au-CeO2 Nanoparticles Catalysts for CO Oxidation: The Influence of H2 Pretreatments. Materials, 2018, 11, 1952. | 1.3 | 14 |
| 31 | Determination of 4-tert-octylphenol in surface water samples of Jinan in China by solid phase extraction coupled with GC-MS. Journal of Environmental Sciences, 2013, 25, 1712-1717. | 3.2 | 13 |
| 32 | Desalination Characteristics of Cellulose Acetate FO Membrane Incorporated with ZIF-8 Nanoparticles. Membranes, 2022, 12, 122. | 1.4 | 13 |
| 33 | Amorphous manganese oxide as highly active catalyst for soot oxidation. Environmental Science and Pollution Research, 2020, 27, 13488-13500. | 2.7 | 11 |
| 34 | Photocatalytic ultrafiltration membranes based on visible light responsive photocatalyst: a review. , 0, 168, 42-55. | | 11 |
| 35 | High performance of K-supported Pr2Sn2O7 pyrochlore catalysts for soot oxidation. Fuel, 2022, 317, 123467. | 3.4 | 11 |
| 36 | Catalytic Oxidation Of Diesel Soot Over Transition Metal Doped Lanthanum Stannate Pyrochlores With A O2/No Mixture. Procedia Engineering, 2011, 24, 436-440. | 1.2 | 10 |

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|---|---|---|---|
| 37 | Rhodol-derived Colorimetric and Fluorescent Probe with the Receptor of Carbonothioate for the Specific Detection of Mercury Ions. Analytical Sciences, 2017, 33, 1169-1173. | 0.8 | 10 |
| 38 | Hydrotalcites-Derived Well-Dispersed Mixed Oxides for NO<SUB><I>x</I></SUB> Adsorption and Desorption. Science of Advanced Materials, 2016, 8, 1656-1667. | 0.1 | 10 |
| 39 | Coâ€“Mnâ€“Al Nonstoichiometric Spinel-Type Catalysts Derived from Hydrotalcites for the Simultaneous Removal of Soot and Nitrogen Oxides. Science of Advanced Materials, 2013, 5, 1449-1457. | 0.1 | 9 |
| 40 | A novel ceria hollow nanosphere catalyst for low temperature NO storage. Journal of Rare Earths, 2022, 40, 626-635. | 2.5 | 8 |
| 41 | The preparation of ultrastable Al3+ doped CeO2 supported Au catalysts: Strong metal-support interaction for superior catalytic activity towards CO oxidation. Journal of Colloid and Interface Science, 2022, 627, 53-63. | 5.0 | 8 |
| 42 | Catalytic Soot Oxidation Over Ce- and Cu-Doped Hydrotalcites-Derived Mesoporous Mixed Oxides. Journal of Nanoscience and Nanotechnology, 2014, 14, 7087-7096. | 0.9 | 7 |
| 43 | Tuning the metal-support interaction in the thermal-resistant Auâ€“CeO<sub>2</sub> catalysts for CO oxidation: influence of a mild N<sub>2</sub> pretreatment. RSC Advances, 2018, 8, 39197-39202. | 1.7 | 7 |
| 44 | High Performance of Mn-Doped MgAlOx Mixed Oxides for Low Temperature NOx Storage and Release. Catalysts, 2019, 9, 677. | 1.6 | 7 |
| 45 | Synthesis and Toluene Adsorption/Desorption Property of Beta Zeolite Coated on Cordierite Honeycomb by an In Situ Crystallization Method. Chemical Engineering and Technology, 2008, 31, 1856-1862. | 0.9 | 6 |
| 46 | Hydrothermal Synthesis of Lanthanide Stannates Pyrochlore Nanocrystals for Catalytic Combustion of Soot Particulates. Scientific World Journal, The, 2015, 2015, 1-8. | 0.8 | 6 |
| 47 | The surface restructuring of copper oxides with mixed oxidation-states and their efficient CO oxidation properties. Materials Letters, 2021, 289, 129378. | 1.3 | 6 |
| 48 | Preparation and Characterization of Modified Polyvinylidene Fluoride/2-Amino-4-thiazoleacetic Acid Ultrafiltration Membrane for Purification of Cr(VI) in Water. Journal of Chemical Engineering of Japan, 2018, 51, 501-506. | 0.3 | 4 |
| 49 | Synthesis and Characterization of CTA/CA-Based Forward Osmosis Membranes with Hydrophilic Nano-Titanium Dioxide. Materials Science Forum, 0, 867, 127-131. | 0.3 | 3 |
| 50 | Controllable Synthesis of Spindle-Shaped <i>Î²</i>-FeOOH and Its Effective Adsorption for High Concentrated Congo Red. Science of Advanced Materials, 2021, 13, 342-351. | 0.1 | 3 |
| 51 | Effect of Mn Incorporation Into Nd<SUB>2</SUB>Sn<SUB>2</SUB>O<SUB>7</SUB> Pyrochlore Oxides on Catalytic Oxidation of Soot Particulates. Nanoscience and Nanotechnology Letters, 2016, 8, 1007-1013. | 0.4 | 3 |
| 52 | MIL-53(Fe)@Î³-Al2O3 nanocomposites incorporated cellulose acetate for forward osmosis membranes of high desalination performance. Environmental Engineering Research, 2023, 28, 210448-0. | 1.5 | 3 |
| 53 | A highly sensitive and selective fluorescent probe for fluoride anions based on intramolecular charge transfer. Luminescence, 2016, 31, 1166-1170. | 1.5 | 2 |
| 54 | Iron Doped Lanthanum Stannate Pyrochlores (La<sub>2</sub>Sn<sub>2-X</sub>Fe<sub>X</sub>O<sub>7</sub>) for the Simultaneous Catalytic Removal NOx and Soot. Advanced Materials Research, 2011, 306-307, 1468-1472. | 0.3 | 1 |

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|---|---|---|---|
| 55 | SIMULTANEOUSLY CATALYTIC REMOVAL OF <font>NO</font><sub>x</sub> AND SOOT ON RARE EARTH ELEMENT OXIDE LOADED WITH POTASSIUM AND TRANSITION NANOSIZED METAL OXIDES. Nano, 2008, 03, 239-244. | 0.5 | 0 |
| 56 | Hydrothermal synthesis of Nd2Sn2O7 pyrochlore for catalytic soot combustion. , 2015, , 2809-2814. | | 0 |