

# Zhongpeng Wang

## List of Publications by Year in descending order

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56  
papers

1,505  
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331538

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docs citations

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times ranked

1778  
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#	ARTICLE	IF	CITATIONS
1	MIL-53(Fe)@ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> nanocomposites incorporated cellulose acetate for forward osmosis membranes of high desalination performance. <i>Environmental Engineering Research</i> , 2023, 28, 210448-0.	1.5	3
2	A novel ceria hollow nanosphere catalyst for low temperature NO storage. <i>Journal of Rare Earths</i> , 2022, 40, 626-635.	2.5	8
3	Desalination Characteristics of Cellulose Acetate FO Membrane Incorporated with ZIF-8 Nanoparticles. <i>Membranes</i> , 2022, 12, 122.	1.4	13
4	High performance of K-supported Pr <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> pyrochlore catalysts for soot oxidation. <i>Fuel</i> , 2022, 317, 123467.	3.4	11
5	The preparation of ultrastable Al <sup>3+</sup> doped CeO <sub>2</sub> supported Au catalysts: Strong metal-support interaction for superior catalytic activity towards CO oxidation. <i>Journal of Colloid and Interface Science</i> , 2022, 627, 53-63.	5.0	8
6	Controllable Synthesis of Spindle-Shaped $\gamma$ -FeOOH and Its Effective Adsorption for High Concentrated Congo Red. <i>Science of Advanced Materials</i> , 2021, 13, 342-351.	0.1	3
7	The surface restructuring of copper oxides with mixed oxidation-states and their efficient CO oxidation properties. <i>Materials Letters</i> , 2021, 289, 129378.	1.3	6
8	Enhanced catalytic performance of cobalt and iron co-doped ceria catalysts for soot combustion. <i>Journal of Materials Science</i> , 2020, 55, 283-297.	1.7	18
9	Removal of phenolic substances from wastewater by algae. A review. <i>Environmental Chemistry Letters</i> , 2020, 18, 377-392.	8.3	46
10	Amorphous manganese oxide as highly active catalyst for soot oxidation. <i>Environmental Science and Pollution Research</i> , 2020, 27, 13488-13500.	2.7	11
11	High Performance of Mn-Doped MgAlO <sub>x</sub> Mixed Oxides for Low Temperature NO <sub>x</sub> Storage and Release. <i>Catalysts</i> , 2019, 9, 677.	1.6	7
12	Preparation, characterisation, and desalination performance study of cellulose acetate membranes with MIL-53(Fe) additive. <i>Journal of Membrane Science</i> , 2019, 590, 117057.	4.1	42
13	Catalytic oxidation of CO on mesoporous codoped ceria catalysts: Insights into correlation of physicochemical property and catalytic activity. <i>Journal of Rare Earths</i> , 2019, 37, 961-969.	2.5	22
14	Effect of surface and bulk palladium doping on the catalytic activity of La <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> pyrochlore oxides for diesel soot oxidation. <i>Journal of Materials Science</i> , 2019, 54, 4495-4510.	1.7	24
15	Catalytic oxidation of CO over mesoporous copper-doped ceria catalysts via a facile CTAB-assisted synthesis. <i>RSC Advances</i> , 2018, 8, 14888-14897.	1.7	38
16	Tuning the metal-support interaction in the thermal-resistant Au@CeO <sub>2</sub> catalysts for CO oxidation: influence of a mild N <sub>2</sub> pretreatment. <i>RSC Advances</i> , 2018, 8, 39197-39202.	1.7	7
17	Preparation and Characterization of Modified Polyvinylidene Fluoride/2-Amino-4-thiazoleacetic Acid Ultrafiltration Membrane for Purification of Cr(VI) in Water. <i>Journal of Chemical Engineering of Japan</i> , 2018, 51, 501-506.	0.3	4
18	A Rational Design of the Sintering-Resistant Au-CeO <sub>2</sub> Nanoparticles Catalysts for CO Oxidation: The Influence of H <sub>2</sub> Pretreatments. <i>Materials</i> , 2018, 11, 1952.	1.3	14

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19	Preparation and Characterization of Novel Polyvinylidene Fluoride/2-Aminobenzothiazole Modified Ultrafiltration Membrane for the Removal of Cr(VI) in Wastewater. <i>Polymers</i> , 2018, 10, 19.	2.0	22
20	Catalytic Oxidation of Soot on a Novel Active Ca-Co Dually-Doped Lanthanum Tin Pyrochlore Oxide. <i>Materials</i> , 2018, 11, 653.	1.3	17
21	A reductant-resistant ratiometric, colorimetric and far-red fluorescent probe for rapid and ultrasensitive detection of nitroxyl. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3557-3564.	2.9	29
22	Catalytic oxidation of soot on mesoporous ceria-based mixed oxides with cetyltrimethyl ammonium bromide (CTAB)-assisted synthesis. <i>Journal of Colloid and Interface Science</i> , 2017, 508, 1-13.	5.0	34
23	Rhodol-derived Colorimetric and Fluorescent Probe with the Receptor of Carbonothioate for the Specific Detection of Mercury Ions. <i>Analytical Sciences</i> , 2017, 33, 1169-1173.	0.8	10
24	Promotion Effects of Cesium on Perovskite Oxides for Catalytic Soot Combustion. <i>Catalysis Letters</i> , 2016, 146, 1397-1407.	1.4	20
25	Catalytic combustion of soot particulates over rare-earth substituted $\text{Ln}_2\text{Sn}_2\text{O}_7$ pyrochlores (Ln = La, Y). <i>TJ ETQq1 1</i> 0.784314 $\mu\text{gBT/Overt}$ 5.0 54	5.0	54
26	A highly sensitive and selective fluorescent probe for fluoride anions based on intramolecular charge transfer. <i>Luminescence</i> , 2016, 31, 1166-1170.	1.5	2
27	Synthesis and characterization of $\text{Co}^{\delta+}\text{Al}^{\delta-}\text{Fe}$ nonstoichiometric spinel-type catalysts for catalytic CO oxidation. <i>RSC Advances</i> , 2016, 6, 27052-27059.	1.7	18
28	Effect of Mn Incorporation Into $\text{Nd}_2\text{Sn}_2\text{O}_7$ Pyrochlore Oxides on Catalytic Oxidation of Soot Particulates. <i>Nanoscience and Nanotechnology Letters</i> , 2016, 8, 1007-1013.	0.4	3
29	Hydrotalcites-Derived Well-Dispersed Mixed Oxides for $\text{NO}_x$ Adsorption and Desorption. <i>Science of Advanced Materials</i> , 2016, 8, 1656-1667.	0.1	10
30	Hydrothermal Synthesis of Lanthanide Stannates Pyrochlore Nanocrystals for Catalytic Combustion of Soot Particulates. <i>Scientific World Journal</i> , The, 2015, 2015, 1-8.	0.8	6
31	$\text{NO}_x$ storage and soot combustion over well-dispersed mesoporous mixed oxides via hydrotalcite-like precursors. <i>RSC Advances</i> , 2015, 5, 52743-52753.	1.7	17
32	Hydrothermal synthesis of $\text{Nd}_2\text{Sn}_2\text{O}_7$ pyrochlore for catalytic soot combustion. , 2015, , 2809-2814.		0
33	Catalytic Soot Oxidation Over Ce- and Cu-Doped Hydrotalcites-Derived Mesoporous Mixed Oxides. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 7087-7096.	0.9	7
34	Facile fabrication of 3D flower-like heterostructured $\text{g-C}_3\text{N}_4/\text{SnS}_2$ composite with efficient photocatalytic activity under visible light. <i>RSC Advances</i> , 2014, 4, 31019-31027.	1.7	71
35	Lanthanum-promoted copper-based hydrotalcites derived mixed oxides for $\text{NO}_x$ adsorption, soot combustion and simultaneous $\text{NO}_x$ -soot removal. <i>Materials Research Bulletin</i> , 2014, 51, 119-127.	2.7	27
36	Determination of 4-tert-octylphenol in surface water samples of Jinan in China by solid phase extraction coupled with GC-MS. <i>Journal of Environmental Sciences</i> , 2013, 25, 1712-1717.	3.2	13

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37	Co <sup>2+</sup> /Mn <sup>2+</sup> /Al Nonstoichiometric Spinel-Type Catalysts Derived from Hydrotalcites for the Simultaneous Removal of Soot and Nitrogen Oxides. <i>Science of Advanced Materials</i> , 2013, 5, 1449-1457.	0.1	9
38	Identification of active oxygen species for soot combustion on LaMnO <sub>3</sub> perovskite. <i>Catalysis Science and Technology</i> , 2012, 2, 1822.	2.1	53
39	Direct Spectroscopic Evidence of CO Spillover and Subsequent Reaction with Preadsorbed NO <sub>x</sub> on Pd and K Cosupported Mg <sup>2+</sup> /Al Mixed Oxides. <i>Environmental Science &amp; Technology</i> , 2012, 46, 9614-9619.	4.6	23
40	Ce <sup>3+</sup> /Ti Amorphous Oxides for Selective Catalytic Reduction of NO with NH <sub>3</sub> : Confirmation of Ce <sup>3+</sup> /O <sup>2-</sup> /Ti Active Sites. <i>Environmental Science &amp; Technology</i> , 2012, 46, 9600-9605.	4.6	349
41	Simultaneous catalytic removal of NO <sub>x</sub> and soot particulates over CuMgAl hydrotalcites derived mixed metal oxides. <i>Applied Clay Science</i> , 2012, 55, 125-130.	2.6	33
42	Iron Doped Lanthanum Stannate Pyrochlores (La <sub>2</sub> Sn <sub>2</sub> X <sub>7</sub> O <sub>20</sub> ) for the Simultaneous Catalytic Removal NO <sub>x</sub> and Soot. <i>Advanced Materials Research</i> , 2011, 306-307, 1468-1472.	0.3	1
43	Catalytic Oxidation Of Diesel Soot Over Transition Metal Doped Lanthanum Stannate Pyrochlores With A O <sub>2</sub> /No Mixture. <i>Procedia Engineering</i> , 2011, 24, 436-440.	1.2	10
44	Quantification of the active site density and turnover frequency for soot combustion with O <sub>2</sub> on Cr doped CeO <sub>2</sub> . <i>Catalysis Today</i> , 2011, 175, 112-116.	2.2	31
45	Synthesis of CeO <sub>2</sub> -Based Quantum Dots through a Polyol-Hydrolysis Method for Fuel-Borne Catalysts. <i>ChemCatChem</i> , 2011, 3, 1772-1778.	1.8	14
46	Determination of Mechanism for Soot Oxidation with NO on Potassium Supported Mg <sup>2+</sup> /Al Hydrotalcite Mixed Oxides. <i>Chemical Engineering and Technology</i> , 2011, 34, 1864-1868.	0.9	14
47	Rare-earth (Nd, Sm, Eu, Gd and Y) enhanced CeO <sub>2</sub> solid solution nanorods prepared by co-precipitation without surfactants. <i>Materials Letters</i> , 2010, 64, 2659-2662.	1.3	17
48	Catalytic performance and mechanism of potassium-promoted Mg <sup>2+</sup> /Al hydrotalcite mixed oxides for soot combustion with O <sub>2</sub> . <i>Journal of Catalysis</i> , 2010, 271, 12-21.	3.1	122
49	Determination of Intermediates and Mechanism for Soot Combustion with NO <sub>x</sub> /O <sub>2</sub> on Potassium-Supported Mg <sup>2+</sup> /Al Hydrotalcite Mixed Oxides by In Situ FTIR. <i>Environmental Science &amp; Technology</i> , 2010, 44, 8254-8258.	4.6	49
50	Synthesis of rare earth (Pr, Nd, Sm, Eu and Gd) hydroxide and oxide nanorods (nanobundles) by a widely applicable precipitation route. <i>Journal of Alloys and Compounds</i> , 2010, 507, 105-111.	2.8	35
51	Synthesis and Toluene Adsorption/Desorption Property of Beta Zeolite Coated on Cordierite Honeycomb by an In Situ Crystallization Method. <i>Chemical Engineering and Technology</i> , 2008, 31, 1856-1862.	0.9	6
52	SIMULTANEOUSLY CATALYTIC REMOVAL OF NO <sub>x</sub> AND SOOT ON RARE EARTH ELEMENT OXIDE LOADED WITH POTASSIUM AND TRANSITION NANOSIZED METAL OXIDES. <i>Nano</i> , 2008, 03, 239-244.	0.5	0
53	Simultaneous catalytic removal of NO and soot particulate over Co <sup>2+</sup> /Al mixed oxide catalysts derived from hydrotalcites. <i>Catalysis Communications</i> , 2007, 8, 1659-1664.	1.6	57
54	Catalytic oxidation of diesel soot on mixed oxides derived from hydrotalcites. <i>Catalysis Letters</i> , 2006, 112, 149-154.	1.4	23

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55	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
56	Photocatalytic ultrafiltration membranes based on visible light responsive photocatalyst: a review. , 0, 168, 42-55.		11