

# Xing-Yi Wang

## List of Publications by Year in descending order

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84  
papers

5,555  
citations

66343

42  
h-index

79698

73  
g-index

85  
all docs

85  
docs citations

85  
times ranked

3884  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-temperature catalytic combustion of trichloroethylene over MnO <sub>2</sub> -CeO <sub>2</sub> mixed oxide catalysts. <i>Journal of Rare Earths</i> , 2023, 41, 523-530.	4.8	14
2	Amorphous and homogeneously Zr-doped MnO <sub>x</sub> with enhanced acid and redox properties for catalytic oxidation of 1,2-Dichloroethane. <i>Chemical Engineering Journal</i> , 2022, 428, 131067.	12.7	45
3	CH <sub>2</sub> Cl <sub>2</sub> catalytic oxidation over Ce-Ti-Zr mixed oxide catalysts. <i>Applied Catalysis A: General</i> , 2022, 629, 118420.	4.3	9
4	Ultra-active Ru supported on CeO <sub>2</sub> nanosheets for catalytic combustion of Propane: Experimental insights into interfacial active sites. <i>Chemical Engineering Journal</i> , 2022, 438, 135501.	12.7	20
5	Catalytic combustion of CVOCs over MoO <sub>x</sub> /CeO <sub>2</sub> catalysts. <i>Applied Catalysis B: Environmental</i> , 2022, 310, 121240.	20.2	28
6	Oxy-Anionic Doping: A New Strategy for Improving Selectivity of Ru/CeO <sub>2</sub> with Synergetic Versatility and Thermal Stability for Catalytic Oxidation of Chlorinated Volatile Organic Compounds. <i>Environmental Science &amp; Technology</i> , 2022, 56, 8854-8863.	10.0	21
7	Catalytic oxidation of chlorinated aromatics over Fe-based oxide catalysts modified by Mn. <i>Chemical Engineering Journal</i> , 2022, 446, 136771.	12.7	13
8	Catalytic oxidation of ethyl acetate on Ce-Mn-O catalysts modified by La. <i>Rare Metals</i> , 2021, 40, 547-554.	7.1	16
9	HCl-Tolerant H <sub>2</sub> PO <sub>4</sub> /RuO <sub>x</sub> -CeO <sub>2</sub> Catalysts for Extremely Efficient Catalytic Elimination of Chlorinated VOCs. <i>Environmental Science &amp; Technology</i> , 2021, 55, 4007-4016.	10.0	107
10	Oxidative decomposition of dichloromethane over sulfated iron titanate catalysts: Catalytic performance and reaction mechanism. <i>Applied Catalysis A: General</i> , 2021, 616, 118094.	4.3	8
11	Oxidative decomposition of chlorobenzene over iron titanate catalysts: The critical roles of oxygen vacancies and adsorption geometries. <i>Applied Catalysis A: General</i> , 2021, 617, 118118.	4.3	14
12	Phosphate-assisted synthesis of ultrathin and thermally stable alumina nanosheets as robust Pd support for catalytic combustion of propane. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119949.	20.2	32
13	Pt and Mo Co-Decorated MnO <sub>2</sub> Nanorods with Superior Resistance to H <sub>2</sub> O, Sintering, and HCl for Catalytic Oxidation of Chlorobenzene. <i>Environmental Science &amp; Technology</i> , 2021, 55, 14204-14214.	10.0	48
14	Catalytic oxidation of chlorinated VOCs over Ru/Ti <sub>x</sub> Sn <sub>1-x</sub> catalysts. <i>Applied Catalysis B: Environmental</i> , 2020, 263, 118237.	20.2	107
15	Ethylene glycol assisted synthesis of hierarchical Fe-ZSM-5 nanorods assembled microsphere for adsorption Fenton degradation of chlorobenzene. <i>Journal of Hazardous Materials</i> , 2020, 385, 121581.	12.4	34
16	The catalytic combustion of CH <sub>2</sub> Cl <sub>2</sub> over SO <sub>4</sub> <sup>2-</sup> -Ti <sub>x</sub> Sn <sub>1-x</sub> modified with Ru. <i>Catalysis Science and Technology</i> , 2020, 10, 742-756.	4.1	26
17	Catalytic combustion of CVOCs over Cr Ti <sub>1-x</sub> oxide catalysts. <i>Journal of Catalysis</i> , 2020, 391, 132-144.	6.2	35
18	Soluble Polyimide-reinforced TGDDM and DGEBA Epoxy Composites. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2020, 38, 867-876.	3.8	5

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19	Liquid phase hydrodechlorination of chlorinated aromatics at lower temperature on highly defective Pd sites. <i>Research on Chemical Intermediates</i> , 2019, 45, 1087-1104.	2.7	3
20	Comparative studies of P/CeO <sub>2</sub> and Ru/CeO <sub>2</sub> catalysts for catalytic combustion of dichloromethane: From effects of H <sub>2</sub> O to distribution of chlorinated by-products. <i>Applied Catalysis B: Environmental</i> , 2019, 249, 9-18.	20.2	124
21	The oxidation of chlorinated organic compounds over W-modified Pt/CeO <sub>2</sub> catalysts. <i>Journal of Catalysis</i> , 2019, 380, 375-386.	6.2	71
22	Catalytic combustion of chlorinated aromatics over WO <sub>x</sub> /CeO <sub>2</sub> catalysts at low temperature. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 264-276.	20.2	112
23	Selective phenol hydrogenation under mild condition over Pd catalysts supported on Al <sub>2</sub> O <sub>3</sub> and SiO <sub>2</sub> . <i>Research on Chemical Intermediates</i> , 2019, 45, 1249-1262.	2.7	10
24	Chlorinated volatile organic compound oxidation over SO <sub>4</sub> <sup>2-</sup> /Fe <sub>2</sub> O <sub>3</sub> catalysts. <i>Journal of Catalysis</i> , 2018, 360, 277-289.	6.2	113
25	Fe doped CeO <sub>2</sub> nanosheets as Fenton-like heterogeneous catalysts for degradation of salicylic acid. <i>Chemical Engineering Journal</i> , 2018, 333, 226-239.	12.7	146
26	Dichloromethane oxidation over Fe <sub>x</sub> Zr <sub>1-x</sub> oxide catalysts. <i>Applied Catalysis A: General</i> , 2018, 557, 108-118.	4.3	45
27	Role of Brønsted acid site during catalytic combustion of methane over PdO/ZSM-5: Dominant or negligible?. <i>Journal of Catalysis</i> , 2018, 357, 29-40.	6.2	115
28	Phosphate-Functionalized CeO <sub>2</sub> Nanosheets for Efficient Catalytic Oxidation of Dichloromethane. <i>Environmental Science &amp; Technology</i> , 2018, 52, 13430-13437.	10.0	128
29	1,2-Dichloroethane Deep Oxidation over Bifunctional Ru/Ce <sub>x</sub> Al <sub>y</sub> Catalysts. <i>ACS Omega</i> , 2018, 3, 8460-8470.	3.5	51
30	Effect of Ru on the activity of Co <sub>3</sub> O <sub>4</sub> catalysts for chlorinated aromatics oxidation. <i>Catalysis Science and Technology</i> , 2018, 8, 4797-4811.	4.1	83
31	Hydrogenation-dechlorination of 2-chloro-4,6-dinitroresorcinol over Pd/C catalysts. <i>Research on Chemical Intermediates</i> , 2018, 44, 6087-6104.	2.7	5
32	Highly Active and Selective Hydrogenation of CO <sub>2</sub> to Ethanol by Ordered Pd-Cu Nanoparticles. <i>Journal of the American Chemical Society</i> , 2017, 139, 6827-6830.	13.7	344
33	Fe doped CeO <sub>2</sub> nanosheets for catalytic oxidation of 1,2-dichloroethane: Effect of preparation method. <i>Chemical Engineering Journal</i> , 2017, 307, 1037-1046.	12.7	107
34	Sandwich-structured CeO <sub>2</sub> @ZSM-5 hybrid composites for catalytic oxidation of 1, 2-dichloroethane: An integrated solution to coking and chlorine poisoning deactivation. <i>Applied Catalysis B: Environmental</i> , 2017, 203, 31-42.	20.2	139
35	Mechanical performance and flame retardancy of polypropylene composites containing zeolite and multiwalled carbon nanotubes. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	15
36	Dehydrochlorination of 1,2-dichloroethane over Ba-modified Al <sub>2</sub> O <sub>3</sub> catalysts. <i>RSC Advances</i> , 2016, 6, 52564-52574.	3.6	25

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37	Sandwich-like PdO/CeO <sub>2</sub> nanosheet@HZSM-5 membrane hybrid composite for methane combustion: self-redispersion, sintering-resistance and oxygen, water-tolerance. <i>Nanoscale</i> , 2016, 8, 9621-9628.	5.6	62
38	Catalytic total oxidation of 1,2-dichloroethane over VO <sub>x</sub> /CeO <sub>2</sub> catalysts: Further insights via isotopic tracer techniques. <i>Applied Catalysis B: Environmental</i> , 2016, 182, 598-610.	20.2	87
39	Low temperature catalytic combustion of 1,2-dichlorobenzene over CeO <sub>2</sub> @TiO <sub>2</sub> mixed oxide catalysts. <i>Applied Catalysis B: Environmental</i> , 2016, 181, 848-861.	20.2	165
40	Catalytic oxidation of 1,2-dichloroethane over Al <sub>2</sub> O <sub>3</sub> @CeO <sub>2</sub> catalysts: combined effects of acid and redox properties. <i>RSC Advances</i> , 2015, 5, 48916-48927.	3.6	26
41	Catalytic combustion of chlorobenzene over VO <sub>x</sub> /CeO <sub>2</sub> catalysts. <i>Journal of Catalysis</i> , 2015, 326, 54-68.	6.2	170
42	The application of highly soluble amine-terminated aromatic polyimides with pendent tert-butyl groups as a toughener for epoxy resin. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2015, 33, 1359-1372.	3.8	13
43	Catalytic total oxidation of 1,2-dichloroethane over highly dispersed vanadia supported on CeO <sub>2</sub> nanobelts. <i>Applied Catalysis B: Environmental</i> , 2015, 168-169, 141-155.	20.2	66
44	Catalytic combustion of 1,2-dichlorobenzene at low temperature over Mn-modified Co <sub>3</sub> O <sub>4</sub> catalysts. <i>Applied Catalysis B: Environmental</i> , 2015, 166-167, 393-405.	20.2	289
45	Removal of Cl adsorbed on Mn-Ce-La solid solution catalysts during CVOC combustion. <i>Journal of Colloid and Interface Science</i> , 2014, 426, 324-332.	9.4	78
46	The effect of Ce on catalytic decomposition of chlorinated methane over RuO <sub>x</sub> catalysts. <i>Applied Catalysis A: General</i> , 2014, 470, 442-450.	4.3	26
47	Facile synthesis of HZSM-5 with controlled crystal morphology and size as efficient catalysts for chlorinated hydrocarbons oxidation and xylene isomerization. <i>Journal of Porous Materials</i> , 2014, 21, 1041-1049.	2.6	15
48	Template-free and non-hydrothermal synthesis of CeO <sub>2</sub> nanosheets via a facile aqueous-phase precipitation route with catalytic oxidation properties. <i>CrystEngComm</i> , 2014, 16, 9817-9827.	2.6	60
49	Highly selective hydrogenation of phenol and derivatives over Pd catalysts supported on SiO <sub>2</sub> and γ-Al <sub>2</sub> O <sub>3</sub> in aqueous media. <i>Catalysis Communications</i> , 2014, 57, 23-28.	3.3	45
50	Morphology effect of Ru/CeO <sub>2</sub> catalysts for the catalytic combustion of chlorobenzene. <i>Applied Catalysis B: Environmental</i> , 2014, 158-159, 96-105.	20.2	355
51	Highly dispersive PdCoB catalysts for dechlorination of chlorophenols. <i>Journal of Hazardous Materials</i> , 2014, 274, 63-71.	12.4	8
52	Catalytic combustion of chlorobenzene on modified LaMnO <sub>3</sub> catalysts. <i>Catalysis Communications</i> , 2014, 54, 114-117.	3.3	64
53	A platelet-like CeO <sub>2</sub> mesocrystal enclosed by {100} facets: synthesis and catalytic properties. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	14
54	Methane dehydroaromatization by Mo-supported MFI-type zeolite with core-shell structure. <i>Applied Catalysis A: General</i> , 2013, 453, 295-301.	4.3	55

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55	The effect of TiO <sub>2</sub> doping on catalytic performances of Ru/CeO <sub>2</sub> catalysts during catalytic combustion of chlorobenzene. <i>Applied Catalysis B: Environmental</i> , 2013, 142-143, 222-233.	20.2	90
56	Catalytic decomposition of CH <sub>2</sub> Cl <sub>2</sub> over supported Ru catalysts. <i>Catalysis Communications</i> , 2013, 37, 5-8.	3.3	44
57	Hydrodechlorination of chlorophenols at low temperature over highly defective Pd catalyst. <i>Catalysis Communications</i> , 2013, 41, 60-64.	3.3	11
58	Catalytic combustion of chlorobenzene over Ru-doped ceria catalysts: Mechanism study. <i>Applied Catalysis B: Environmental</i> , 2013, 129, 580-588.	20.2	118
59	Catalytic combustion of chlorobenzene over Ru-doped ceria catalysts. <i>Applied Catalysis B: Environmental</i> , 2012, 126, 64-75.	20.2	138
60	Catalytic combustion of chlorinated VOCs over VO <sub>x</sub> /TiO <sub>2</sub> catalysts. <i>Catalysis Communications</i> , 2012, 18, 72-75.	3.3	39
61	Effect of Ce and La on the structure and activity of MnO <sub>x</sub> catalyst in catalytic combustion of chlorobenzene. <i>Applied Catalysis B: Environmental</i> , 2012, 111-112, 141-149.	20.2	176
62	Catalysis oxidation of 1,2-dichloroethane and ethyl acetate over ceria nanocrystals with well-defined crystal planes. <i>Applied Catalysis B: Environmental</i> , 2012, 117-118, 360-368.	20.2	124
63	Pd/Ca-catalyzed Reductive Mono-N-alkylation of Nitrophenol Derivatives in One-pot Way. <i>Chinese Journal of Chemistry</i> , 2010, 28, 16-20.	4.9	8
64	Low temperature catalytic combustion of chlorobenzene over Mn <sup>2+</sup> /Ce <sup>4+</sup> /O <sup>2-</sup> /Al <sub>2</sub> O <sub>3</sub> mixed oxides catalyst. <i>Catalysis Today</i> , 2010, 158, 336-342.	4.4	90
65	Catalytic performance of La <sup>3+</sup> /Ce <sup>4+</sup> /O mixed oxide for combustion of methane. <i>Catalysis Today</i> , 2010, 158, 348-353.	4.4	85
66	Catalytic combustion of chlorobenzene over Mn <sup>2+</sup> /Ce/Al <sub>2</sub> O <sub>3</sub> catalyst promoted by Mg. <i>Catalysis Communications</i> , 2010, 11, 1022-1025.	3.3	29
67	Phosphoric acid modified SBA-15 as a highly efficient heterogeneous catalyst for the synthesis of 4,4'-diamino-3,3'-dibutyl-diphenyl methane. <i>Catalysis Communications</i> , 2010, 11, 438-441.	3.3	5
68	Effect of CeO <sub>2</sub> preparation method and Cu loading on CuO/CeO <sub>2</sub> catalysts for methane combustion. <i>Journal of Natural Gas Chemistry</i> , 2009, 18, 458-466.	1.8	49
69	One-pot method to synthesize 4,6-bis(isopropylamino)resorcinol through hydrodechlorination and catalytically reductive mono-N-alkylation. <i>Journal of Industrial and Engineering Chemistry</i> , 2009, 15, 434-437.	5.8	2
70	Hydrodechlorination of chlorophenols at low temperature on a novel Pd catalyst. <i>Chemical Communications</i> , 2009, , 4438.	4.1	26
71	The effect of triethylamine on the hydrodechlorination of chlorophenols on Pd/C at low temperature. <i>Catalysis Communications</i> , 2009, 10, 2027-2030.	3.3	16
72	Incorporation of lanthanum into SBA-15 and its catalytic activity in trichloroethylene combustion. <i>Journal of Rare Earths</i> , 2008, 26, 717-721.	4.8	11

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73	One-Pot Method to Synthesize 4,6-Bis(isopropylamino)- benzene-1,3-diol by Catalytic Reductive Mono-N-alkylation of Amine Derivatives. Chinese Journal of Catalysis, 2008, 29, 878-880.	14.0	1
74	A new intumescent flame-retardant: preparation, surface modification, and its application in polypropylene. Polymers for Advanced Technologies, 2008, 19, 1055-1061.	3.2	90
75	Effect of phosphoric acid on catalytic combustion of trichloroethylene over Pt/P-MCM-41. Applied Catalysis A: General, 2008, 340, 33-41.	4.3	23
76	Low-temperature catalytic combustion of trichloroethylene over cerium oxide and catalyst deactivation. Applied Catalysis B: Environmental, 2008, 81, 192-202.	20.2	184
77	Effect of water on the performance of Pd-ZSM-5 catalysts for the combustion of methane. Journal of Natural Gas Chemistry, 2008, 17, 87-92.	1.8	16
78	Low-temperature catalytic combustion of chlorobenzene over MnO $\alpha$ -CeO <sub>2</sub> mixed oxide catalysts. Catalysis Communications, 2008, 9, 2158-2162.	3.3	122
79	Role of acidity of catalysts on methane combustion over Pd/ZSM-5. Catalysis Communications, 2007, 8, 880-884.	3.3	52
80	Pt-loaded P-MCM-41 as a novel bifunctional catalyst for catalytic combustion of trichloroethylene. Catalysis Communications, 2007, 8, 1583-1587.	3.3	9
81	Low-temperature catalytic destruction of chlorinated VOCs over cerium oxide. Catalysis Communications, 2007, 8, 1645-1649.	3.3	68
82	Direct synthesis of Cerium(III)-incorporated SBA-15 mesoporous molecular sieves by two-step synthesis method. Microporous and Mesoporous Materials, 2007, 100, 268-275.	4.4	82
83	Catalytic Combustion of Methane over High Copper-Loading ZSM-5 Catalysts. Journal of Natural Gas Chemistry, 2007, 16, 258-265.	1.8	22
84	Low-Temperature Catalytic Combustion of Trichloroethylene over La, Ce, and Pt Catalysts Supported on MCM-41. Chinese Journal of Catalysis, 2006, 27, 468-470.	14.0	9