

# Wei Deng

## List of Publications by Year in descending order

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28  
papers

1,679  
citations

361413

20  
h-index

526287

27  
g-index

29  
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29  
docs citations

29  
times ranked

1355  
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic combustion of 1,2-dichlorobenzene at low temperature over Mn-modified Co <sub>3</sub> O <sub>4</sub> catalysts. Applied Catalysis B: Environmental, 2015, 166-167, 393-405.	20.2	289
2	Low temperature catalytic combustion of 1,2-dichlorobenzene over CeO <sub>2</sub> –TiO <sub>2</sub> mixed oxide catalysts. Applied Catalysis B: Environmental, 2016, 181, 848-861.	20.2	165
3	Catalysis oxidation of 1,2-dichloroethane and ethyl acetate over ceria nanocrystals with well-defined crystal planes. Applied Catalysis B: Environmental, 2012, 117-118, 360-368.	20.2	124
4	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. Applied Catalysis B: Environmental, 2019, 249, 9-18.	20.2	124
5	HCl-Tolerant H <sub>2</sub> PO <sub>4</sub> /RuO <sub>4</sub> –CeO <sub>2</sub> Catalysts for Extremely Efficient Catalytic Elimination of Chlorinated VOCs. Environmental Science & Technology, 2021, 55, 4007-4016.	10.0	107
6	Carbon dioxide reforming of methane over promoted Ni <sub>1</sub> Mg <sub>1-x</sub> O (111) platelet catalyst derived from solvothermal synthesis. Applied Catalysis B: Environmental, 2014, 148-149, 177-190.	20.2	94
7	A comparative study of the catalytic oxidation of chlorobenzene and toluene over Ce-Mn oxides. Molecular Catalysis, 2018, 459, 61-70.	2.0	94
8	Study on the structure-activity relationship of Fe-Mn oxide catalysts for chlorobenzene catalytic combustion. Chemical Engineering Journal, 2020, 395, 125172.	12.7	83
9	Low temperature catalytic combustion of chlorobenzene over cobalt based mixed oxides derived from layered double hydroxides. Applied Catalysis B: Environmental, 2020, 278, 119336.	20.2	75
10	Ag-Doped γ-MnO <sub>2</sub> Nanosheets as Robust Catalysts for Toluene Combustion. ACS Applied Nano Materials, 2020, 3, 11869-11880.	5.0	51
11	Adsorptive properties in toluene removal over hierarchical zeolites. Microporous and Mesoporous Materials, 2020, 302, 110204.	4.4	51
12	The preparation of hierarchical Pt/ZSM-5 catalysts and their performance for toluene catalytic combustion. Microporous and Mesoporous Materials, 2020, 296, 109802.	4.4	48
13	Copper-ceria solid solution with improved catalytic activity for hydrogenation of CO <sub>2</sub> to CH <sub>3</sub> OH. Chinese Journal of Catalysis, 2020, 41, 1348-1359.	14.0	42
14	Preparation of MgO Nanosheets with Polar (111) Surfaces by Ligand Exchange and Esterification - Synthesis, Structure, and Application as Catalyst Support. European Journal of Inorganic Chemistry, 2012, 2012, 2869-2876.	2.0	36
15	Comparative Studies of Phosphate-Modified CeO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> for Mechanistic Understanding of Dichloromethane Oxidation and Chloromethane Formation. ACS Catalysis, 2020, 10, 13109-13124.	11.2	34
16	Great activity enhancement of Co <sub>3</sub> O <sub>4</sub> /γ-Al <sub>2</sub> O <sub>3</sub> catalyst for propane combustion by structural modulation. Chemical Engineering Journal, 2020, 395, 125071.	12.7	32
17	Total catalytic oxidation of chlorinated aromatics over bimetallic Pt–Ru supported on hierarchical HZSM-5 zeolite. Microporous and Mesoporous Materials, 2020, 308, 110538.	4.4	31
18	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. RSC Advances, 2015, 5, 48916-48927.	3.6	26

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19	Promoting Xylene Production in Benzene Methylation using Hierarchically Porous ZSM-5 Derived from a Modified Dry-gel Route. Chinese Journal of Chemical Engineering, 2014, 22, 921-929.	3.5	24
20	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. Environmental Science & Technology, 2022, 56, 8854-8863.	10.0	21
21	Pt-loaded ellipsoidal nanozeolite as an active catalyst for toluene catalytic combustion. Microporous and Mesoporous Materials, 2020, 305, 110292.	4.4	20
22	Ultra-active Ru supported on CeO <sub>2</sub> nanosheets for catalytic combustion of Propane: Experimental insights into interfacial active sites. Chemical Engineering Journal, 2022, 438, 135501.	12.7	20
23	Effect of preparation method on the performance of porous RuO <sub>x</sub> /Co <sub>3</sub> O <sub>4</sub> catalysts for 1, 2-dichloroethane oxidation. Applied Catalysis A: General, 2021, 624, 118300.	4.3	19
24	Dichloromethane catalytic combustion over Co <sub>3</sub> O <sub>4</sub> catalysts supported on MFI type zeolites. Microporous and Mesoporous Materials, 2021, 312, 110599.	4.4	15
25	A platelet-like CeO <sub>2</sub> mesocrystal enclosed by {100} facets: synthesis and catalytic properties. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	14
26	Direct synthesis of hierarchically porous TS-1 through a solvent evaporation route and its application as an oxidation catalyst. Applied Organometallic Chemistry, 2014, 28, 239-243.	3.5	14
27	Comparative studies on the VOC sorption performances over hierarchical and conventional ZSM-5 zeolites. Dalton Transactions, 2021, 50, 16694-16702.	3.3	14
28	Co-Cr bimetallic oxides derived from layered double hydroxides with high catalytic performance for chlorinated aromatics oxidation. Catalysis Science and Technology, 0, , .	4.1	12