

# Pavel Topka

## List of Publications by Year in descending order

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25  
papers

538  
citations

623734

14  
h-index

642732

23  
g-index

26  
all docs

26  
docs citations

26  
times ranked

664  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metathesis of 1-octene over MoO <sub>3</sub> supported on mesoporous molecular sieves: The influence of the support architecture. <i>Microporous and Mesoporous Materials</i> , 2006, 96, 44-54.	4.4	77
2	Total oxidation of model volatile organic compounds over some commercial catalysts. <i>Applied Catalysis A: General</i> , 2012, 443-444, 40-49.	4.3	47
3	Performance of platinum and gold catalysts supported on ceria-zirconia mixed oxide in the oxidation of chlorobenzene. <i>Catalysis Today</i> , 2015, 253, 172-177.	4.4	44
4	Total oxidation of dichloromethane and ethanol over ceria-zirconia mixed oxide supported platinum and gold catalysts. <i>Applied Catalysis B: Environmental</i> , 2013, 142-143, 54-64.	20.2	41
5	Preparation of Al-SBA-15 pellets with low amount of additives: Effect of binder content on texture and mechanical properties. Application to Friedel-Crafts alkylation. <i>Chemical Engineering Journal</i> , 2011, 168, 433-440.	12.7	31
6	Gold versus platinum on ceria-zirconia mixed oxides in oxidation of ethanol and toluene. <i>Catalysis Today</i> , 2011, 175, 231-237.	4.4	29
7	Cobalt Oxide Catalysts in the Form of Thin Films Prepared by Magnetron Sputtering on Stainless-Steel Meshes: Performance in Ethanol Oxidation. <i>Catalysts</i> , 2019, 9, 806.	3.5	28
8	Comparison of textural information from argon(87Å) and nitrogen(77Å) physisorption. <i>Journal of Porous Materials</i> , 2011, 18, 557-565.	2.6	23
9	Remediation of contaminated soils by thermal desorption; effect of benzoyl peroxide addition. <i>Journal of Cleaner Production</i> , 2016, 125, 309-313.	9.3	23
10	Total oxidation of ethanol over Au/Ce <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> cordierite monolithic catalysts. <i>Applied Catalysis A: General</i> , 2016, 522, 130-137.	4.3	21
11	Preparation of cobalt oxide catalysts on stainless steel wire mesh by combination of magnetron sputtering and electrochemical deposition. <i>Catalysis Today</i> , 2019, 334, 13-23.	4.4	19
12	Noble metal catalysts supported on nanofibrous polymeric membranes for environmental applications. <i>Catalysis Today</i> , 2014, 236, 3-11.	4.4	18
13	Effect of gold loading on ceria-zirconia support in total oxidation of VOCs. <i>Catalysis Today</i> , 2019, 333, 190-195.	4.4	18
14	Polymerization of aliphatic alkynes with heterogeneous Mo catalysts supported on mesoporous molecular sieves. <i>Journal of Polymer Science Part A</i> , 2008, 46, 2593-2599.	2.3	16
15	Structured cobalt oxide catalysts for VOC abatement: the effect of preparation method. <i>Environmental Science and Pollution Research</i> , 2020, 27, 7608-7617.	5.3	15
16	Gold and Ceria as Catalysts for VOC Abatement: A Review. <i>Catalysts</i> , 2021, 11, 789.	3.5	15
17	Total oxidation of ethanol and toluene over ceria-zirconia supported platinum catalysts. <i>Chemical Papers</i> , 2016, 70, .	2.2	14
18	Preparation and characterization of electrospun poly(p-phenylene oxide) membranes. <i>Catalysis Today</i> , 2012, 193, 165-171.	4.4	13

#	ARTICLE	IF	CITATIONS
19	Metathesis of linear $\alpha$ -olefins with MoO <sub>3</sub> supported on MCM-41 catalyst. <i>Studies in Surface Science and Catalysis</i> , 2005, 156, 795-802.	1.5	11
20	Activated Carbon from Renewable Material as an Efficient Support for Palladium Oxidation Catalysts. <i>Chemical Engineering and Technology</i> , 2019, 42, 851-858.	1.5	11
21	Hydrothermal deposition as a novel method for the preparation of Co-Mn mixed oxide catalysts supported on stainless steel meshes: application to VOC oxidation. <i>Environmental Science and Pollution Research</i> , 2022, 29, 5172-5183.	5.3	10
22	One-pot synthesis of mesoporous SBA-15 containing protonated 3-aminopropyl groups. <i>Journal of Porous Materials</i> , 2013, 20, 1315-1321.	2.6	8
23	Modification of Cobalt Oxide Electrochemically Deposited on Stainless Steel Meshes with Co-Mn Thin Films Prepared by Magnetron Sputtering: Effect of Preparation Method and Application to Ethanol Oxidation. <i>Catalysts</i> , 2021, 11, 1453.	3.5	4
24	Solid waste decontamination by thermal desorption and catalytic oxidation methods. <i>Chemical Papers</i> , 2014, 68, .	2.2	1
25	Remediation of brownfields contaminated by organic compounds and heavy metals: a bench-scale test of a sulfur/vermiculite sorbent for mercury vapor removal. <i>Environmental Science and Pollution Research</i> , 2020, 27, 42182-42188.	5.3	1