

# CITATION REPORT

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## Abatement of Volatile Organic Compounds Emission as a Target for Various Human Activities Including Energy Production

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Advances in Inorganic Chemistry, 2018, 72, 385-419.

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#	Paper	IF	Citations
28	CuCeMgAlO mixed oxide catalysts derived from multicationic LDH precursors for methane total oxidation. <i>Applied Catalysis A: General</i> , <b>2019</b> , 586, 117215	5.1	7
27	Identifying Surface Active Sites of SnO <sub>2</sub> : Roles of Surface O <sup>2-</sup> and O <sup>2-</sup> Anions and Acidic Species Played for Toluene Deep Oxidation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 18569-18581	3.9	18
26	Novel CuO-containing catalysts based on ZrO <sub>2</sub> hollow spheres for total oxidation of toluene. <i>Microporous and Mesoporous Materials</i> , <b>2019</b> , 279, 446-455	5.3	19
25	Advances in colorimetric and optical sensing for gaseous volatile organic compounds. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2019</b> , 118, 502-516	14.6	34
24	Synthesis of mesoporous MnO <sub>2</sub> nanosheets and its application in toluene purification reaction. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 677, 022056	0.4	
23	Graphene/poly (methyl methacrylate) electrochemical impedance-transduced chemiresistor for detection of volatile organic compounds in aqueous medium. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1109, 27-36	6.6	15
22	Highly Active Transition Metal-Promoted CuCeMgAlO Mixed Oxide Catalysts Obtained from Multicationic LDH Precursors for the Total Oxidation of Methane. <i>Catalysts</i> , <b>2020</b> , 10, 613	4	3
21	Catalytic activity of Pt species variously dispersed on hollow ZrO <sub>2</sub> spheres in combustion of volatile organic compounds. <i>Applied Surface Science</i> , <b>2020</b> , 513, 145788	6.7	20
20	Combustion of toluene over cobalt-modified MFI zeolite dispersed on monolith produced using 3D printing technique. <i>Catalysis Today</i> , <b>2021</b> , 375, 369-376	5.3	5
19	Fiber-optic sensors based on Vernier effect. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2021</b> , 167, 108451	4.6	44
18	Unraveling mechanistic aspects of the total oxidation of methane over Mn, Ni and Cu spinel cobaltites via in situ electrical conductivity measurements. <i>Applied Catalysis A: General</i> , <b>2021</b> , 611, 117901	5.1	1
17	Nanocrystalline Spinel Catalysts for Volatile Organic Compounds Abatement. <b>2021</b> , 1-58		
16	Supramolecular self-assembly of a nitro-incorporating quinoxaline framework: insights into the origin of fluorescence turn-on response towards the benzene group of VOCs. <i>Analyst, The</i> , <b>2021</b> , 146, 6239-6244	5	0
15	Effect of strong interaction between Co and Ce oxides in Co <sub>x</sub> Ce <sub>1-x</sub> O <sub>2</sub> oxides on its catalytic oxidation of toluene. <i>Molecular Catalysis</i> , <b>2021</b> , 502, 111356	3.3	4
14	Impact of Mn addition on catalytic performance of Cu/SiBEA materials in total oxidation of aromatic volatile organic compounds. <i>Applied Surface Science</i> , <b>2021</b> , 546, 149148	6.7	5
13	In Search of Factors Determining Activity of CoO Nanoparticles Dispersed in Partially Exfoliated Montmorillonite Structure. <i>Molecules</i> , <b>2021</b> , 26,	4.8	2
12	Design of Co <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> Nanorattles for Catalytic Toluene Combustion Based on Bottom-Up Strategy Involving Spherical Poly(styrene-co-acrylic Acid) Template. <i>Catalysts</i> , <b>2021</b> , 11, 1097	4	2

11	Synthetic mechanisms of $K_2Mn_8O_{16}$ nanorods for removal of acetaldehyde. <i>Micro and Nano Letters</i> , <b>2019</b> , 14, 995-998	0.9	0
10	Discovering the key role of MnO and CeO particles in the FeO catalysts for enhancing the catalytic oxidation of VOC: Synergistic effect of the lattice oxygen species and surface-adsorbed oxygen.. <i>Science of the Total Environment</i> , <b>2022</b> , 819, 152844	10.2	4
9	Synthesis and characterization of $WO_3/BnO_2/rGO$ nanocomposite for Propan-2-ol sensing. <i>Sensors International</i> , <b>2022</b> , 3, 100172	6.1	0
8	Screening of xylene degrading bacteria and optimization of their degradation characteristics in heavily polluted areas.. <i>Environmental Technology (United Kingdom)</i> , <b>2022</b> , 1-29	2.6	
7	VOCs catalytic removal over hierarchical porous zeolite NaY supporting Pt or Pd nanoparticles. <i>Catalysis Today</i> , <b>2022</b> ,	5.3	0
6	The Synthesis of $Cu/Mn/Al$ Mixed-Oxide Combustion Catalysts by Co-Precipitation in the Presence of Starch: A Comparison of NaOH with Organic Precipitants. <b>2022</b> , 12, 1159		0
5	Catalytic Combustion of Methane: From Mechanism and Materials Properties to Catalytic Performance. 13457-13474		4
4	Multicationic LDH-derived $Co(x)CeMgAlO$ mixed oxide catalysts for the total oxidation of methane. <b>2023</b> , 650, 119001		0
3	Determination of the indoor air quality and occupancy satisfaction in architecture studios during model making process.		0
2	Engineering of oxygen vacancy defect in $CeO_2$ through Mn doping for toluene catalytic oxidation at low temperature. <b>2023</b> , 226, 115680		0
1	Investigation on the Catalytic Performance of Clinoptilolite Exchanged with Various Metallic Ions for Toluene Removal. <b>2022</b> , 56, 1171-1178		0