

Enhanced catalytic benzene oxidation over a novel was

Journal of Materials Chemistry A

7, 8832-8844

DOI: 10.1039/c8ta10822f

Citation Report

#	ARTICLE	IF	CITATIONS
1	Waste Eggshell-Derived Dual-Functional CuO/ZnO/Eggshell Nanocomposites: (Photo)catalytic Reduction and Bacterial Inactivation. ACS Sustainable Chemistry and Engineering, 2019, 7, 15762-15771.	3.2	72
2	Novel Ordered Mesoporous $\gamma$ -MnO <sub>2</sub> Catalyst for High-Performance Catalytic Oxidation of Toluene and <i>o</i> -Xylene. Industrial & Engineering Chemistry Research, 2019, 58, 13926-13934.	1.8	54
3	Mechanism of photocatalytic toluene oxidation with ZnWO <sub>4</sub> : a combined experimental and theoretical investigation. Catalysis Science and Technology, 2019, 9, 5692-5697.	2.1	20
4	Dual functional oyster shell-derived Ag/ZnO/CaCO <sub>3</sub> nanocomposites with enhanced catalytic and antibacterial activities for water purification. RSC Advances, 2019, 9, 41336-41344.	1.7	8
5	The effect of imidazolium and phosphonium ionic liquids on toluene absorption studied by a molecular simulation. Journal of Molecular Liquids, 2020, 298, 112054.	2.3	10
6	Biogenic Pt/CaCO <sub>3</sub> Nanocomposite as a Robust Catalyst toward Benzene Oxidation. ACS Applied Materials & Interfaces, 2020, 12, 2469-2480.	4.0	44
7	Calcified Shrimp Waste Supported Pd NPs as an Efficient Catalyst toward Benzene Destruction. ACS Sustainable Chemistry and Engineering, 2020, 8, 486-497.	3.2	20
8	Conversion of Au(III)-polluted waste eggshell into functional CaO/Au nanocatalyst for biodiesel production. Green Energy and Environment, 2022, 7, 352-359.	4.7	25
9	Enhanced Acetone Oxidation over the CeO <sub>2</sub> /Co <sub>3</sub> O <sub>4</sub> Catalyst Derived from Metal-Organic Frameworks. ACS Applied Materials & Interfaces, 2020, 12, 28139-28147.	4.0	92
10	Oxidative coupling of methane to light olefins using waste eggshell as catalyst. Inorganic Chemistry Communication, 2020, 116, 107928.	1.8	10
11	Adsorptive removal of an eight-component volatile organic compound mixture by Cu-, Co-, and Zr-metal-organic frameworks: Experimental and theoretical studies. Chemical Engineering Journal, 2020, 397, 125391.	6.6	72
12	Amorphous Co <sub>3</sub> O <sub>4</sub> nanoparticles-decorated biochar as an efficient activator of peroxymonosulfate for the removal of sulfamethazine in aqueous solution. Separation and Purification Technology, 2020, 250, 117246.	3.9	53
13	Bimetallic Catalysts for Volatile Organic Compound Oxidation. Catalysts, 2020, 10, 661.	1.6	23
14	Recovery of solid waste as functional heterogeneous catalysts for organic pollutant removal and biodiesel production. Chemical Engineering Journal, 2020, 401, 126104.	6.6	51
15	Facile synthesis of Silver@Eggshell nanocomposite: A heterogeneous catalyst for the removal of heavy metal ions, toxic dyes and microbial contaminants from water. Journal of Environmental Management, 2020, 271, 110962.	3.8	46
16	Valorization of Eggshell Biowaste for Sustainable Environmental Remediation. Scientific Reports, 2020, 10, 2436.	1.6	58
17	Bovine serum albumin templated porous CeO <sub>2</sub> to support Au catalyst for benzene oxidation. Molecular Catalysis, 2020, 486, 110849.	1.0	13
18	Conversion of waste eggshell into difunctional Au/CaCO <sub>3</sub> nanocomposite for 4-Nitrophenol electrochemical detection and catalytic reduction. Applied Surface Science, 2020, 510, 145526.	3.1	63

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19	Hibiscus Rosasinensis L. aqueous extract-assisted valorization of lignin: Preparation of magnetically reusable Pd NPs@Fe <sub>3</sub> O <sub>4</sub> -lignin for Cr(VI) reduction and Suzuki-Miyaura reaction in eco-friendly media. International Journal of Biological Macromolecules, 2020, 148, 265-275.	3.6	106
20	NIR-triggered photocatalytic/photothermal/photodynamic water remediation using eggshell-derived CaCO <sub>3</sub> /CuS nanocomposites. Chemical Engineering Journal, 2020, 388, 124304.	6.6	75
21	Integrating eggshell-derived CaCO <sub>3</sub> /MgO nanocomposites and chitosan into a biomimetic scaffold for bone regeneration. Chemical Engineering Journal, 2020, 395, 125098.	6.6	60
22	Recent advances in VOC elimination by catalytic oxidation technology onto various nanoparticles catalysts: a critical review. Applied Catalysis B: Environmental, 2021, 281, 119447.	10.8	467
23	Degradation of sulfamethoxazole by peroxymonosulfate activated by waste eggshell supported Ag <sub>2</sub> O-Ag nanoparticles. Chemical Engineering Journal, 2021, 405, 126719.	6.6	48
24	Facile synthesis of MnO <sub>2</sub> spinel for highly effective catalytic oxidation of benzene. Chemical Engineering Journal, 2021, 421, 127828.	6.6	21
25	Synthesis of MnO <sub>2</sub> -like rod catalyst using Y-Mn <sub>2</sub> O <sub>5</sub> site sacrificial strategy for efficient benzene oxidation. Journal of Hazardous Materials, 2021, 403, 123811.	6.5	32
26	Metal-organic framework micromotors: perspectives for environmental applications. Catalysis Science and Technology, 2021, 11, 6592-6600.	2.1	14
27	State-of-the-Art of Eggshell Waste in Materials Science: Recent Advances in Catalysis, Pharmaceutical Applications, and Mechanochemistry. Frontiers in Bioengineering and Biotechnology, 2020, 8, 612567.	2.0	38
28	Enhanced degradation of aqueous tetracycline hydrochloride by integrating eggshell-derived CaCO <sub>3</sub> /CuS nanocomposite with advanced oxidation process. Molecular Catalysis, 2021, 501, 111380.	1.0	4
29	Degradation behavior of mixed and isolated aromatic ring containing VOCs: Langmuir-Hinshelwood kinetics, photodegradation, in-situ FTIR and DFT studies. Journal of Environmental Chemical Engineering, 2021, 9, 105069.	3.3	60
30	Copper immobilized on biomimetic assembled calcium carbonate/carboxymethylcellulose hybrid: a highly active recoverable catalyst for CuAAC reactions. Research on Chemical Intermediates, 2021, 47, 3883-3898.	1.3	3
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32	Eggshell derived CaO-Portland cement antibacterial composites. Composites Part C: Open Access, 2021, 5, 100123.	1.5	16
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34	Simple recycling of biowaste eggshells to various calcium phosphates for specific industries. Scientific Reports, 2021, 11, 15143.	1.6	19
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37	Platinum deposited on 2D and 3D mesoporous silica materials for the catalytic oxidation of volatile organic compounds: The oxidation of m-xylene and methanol. <i>Journal of Catalysis</i> , 2021, 402, 275-288.	3.1	5
38	New aspects on a low-medium temperature mechanism of H <sub>2</sub> -assisted C <sub>3</sub> H <sub>6</sub> -SCR over xAg-CeZr catalyst. <i>Fuel</i> , 2021, 305, 121574.	3.4	8
39	Deep oxidation of gaseous formaldehyde at room-temperature by a durable catalyst formed through the controlled addition of potassium to platinum supported on waste eggshell. <i>Chemical Engineering Journal</i> , 2022, 428, 131177.	6.6	41
40	Thermocatalytic oxidation of gaseous benzene by a titanium dioxide supported platinum catalyst. <i>Chemical Engineering Journal</i> , 2022, 428, 131090.	6.6	21
41	Multicomponent metal oxides derived from Mn-BTC anchoring with metal acetylacetonate complexes as excellent catalysts for VOCs and CO oxidation. <i>Chemical Engineering Journal</i> , 2020, 397, 125424.	6.6	58
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43	Synthesis and Characterization of Novel Fe <sub>3</sub> O <sub>4</sub> /PVA/Eggshell Hybrid Nanocomposite for Photodegradation and Antibacterial Activity. <i>Journal of Composites Science</i> , 2021, 5, 267.	1.4	9
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45	A new magnetic adsorbent of eggshell-zeolitic imidazolate framework for highly efficient removal of norfloxacin. <i>Dalton Transactions</i> , 2021, 50, 18016-18026.	1.6	77
46	Reactive adsorption and catalytic oxidation of gaseous formaldehyde at room temperature by a synergistic copper-magnesium bimetal oxide biochar composite. <i>Chemical Engineering Journal</i> , 2022, 433, 133497.	6.6	22
47	Modifying Y zeolite with chloropropyl for improving Cu load on Y zeolite as a super Cu/Y catalyst for toluene oxidation. <i>RSC Advances</i> , 2021, 11, 37528-37539.	1.7	7
48	Interfacial effects in CuO/Co <sub>3</sub> O <sub>4</sub> heterostructures enhance benzene catalytic oxidation performance. <i>Environmental Science: Nano</i> , 2022, 9, 781-796.	2.2	13
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55	Mechanistic insights into benzene oxidation over CuMn <sub>2</sub> O <sub>4</sub> catalyst. Journal of Hazardous Materials, 2022, 431, 128640.	6.5	16
56	Unveiling the collective effects of moisture and oxygen on the photocatalytic degradation of m-Xylene using a titanium dioxide supported platinum catalyst. Chemical Engineering Journal, 2022, 439, 135747.	6.6	20
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74	Efficient Catalytic Combustion of Cyclohexane over PdAg/Fe <sub>2</sub> O <sub>3</sub> Catalysts under Low-Temperature Conditions: Establishing the Degradation Mechanism Using PTR-TOF-MS and <i>in Situ</i> DRIFTS. ACS Applied Materials & Interfaces, 2022, 14, 55503-55516.	4.0	6
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