

Chengzhu Zhu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Electro-catalytic degradation of bisphenol A with modified Co ₃ O ₄ /PbO ₂ /Ti electrode. <i>Electrochimica Acta</i> , 2014, 118, 169-175.	5.2	141
2	308 nm Photolysis of Nitric Acid in the Gas Phase, on Aluminum Surfaces, and on Ice Films. <i>Journal of Physical Chemistry A</i> , 2010, 114, 2561-2568.	2.5	63
3	Radical chemistry of diethyl phthalate oxidation via UV/peroxymonosulfate process: Roles of primary and secondary radicals. <i>Chemical Engineering Journal</i> , 2020, 379, 122339.	12.7	61
4	Photochemical reactions between 1,4-benzoquinone and O ₂ . <i>Environmental Science and Pollution Research</i> , 2020, 27, 31289-31299.	5.3	51
5	Removal of gaseous carbon bisulfide using dielectric barrier discharge plasmas combined with TiO ₂ coated attapulgite catalyst. <i>Chemical Engineering Journal</i> , 2013, 225, 567-573.	12.7	44
6	Co ₃ O ₄ /Fe ₂ O ₃ catalyzed oxidative degradation of gaseous benzene: Preparation, characterization and its catalytic properties. <i>Solid State Sciences</i> , 2019, 93, 79-86.	3.2	30
7	Catalytic degradation of gaseous benzene by using TiO ₂ /goethite immobilized on palygorskite: Preparation, characterization and mechanism. <i>Solid State Sciences</i> , 2015, 49, 1-9.	3.2	27
8	BiVO ₄ /Fe ₂ O ₃ catalytic degradation of gaseous benzene: Preparation, characterization and photocatalytic properties. <i>Applied Surface Science</i> , 2018, 427, 141-147.	6.1	25
9	Photocatalytic degradation of gaseous benzene with H ₃ PW ₁₂ O ₄₀ /TiO ₂ /palygorskite composite catalyst. <i>Journal of Saudi Chemical Society</i> , 2017, 21, 132-142.	5.2	24
10	Biomaterials cross-linked graphene oxide composite aerogel with a macro-porous network structure for efficient Cr (VI) removal. <i>International Journal of Biological Macromolecules</i> , 2020, 156, 1337-1346.	7.5	22
11	Fe ₂ O ₃ supported Bi ₂ WO ₆ for photocatalytic degradation of gaseous benzene. <i>Solid State Sciences</i> , 2017, 71, 14-21.	3.2	17
12	Synthesis of manganese ore/Co ₃ O ₄ composites by sol-gel method for the catalytic oxidation of gaseous chlorobenzene. <i>Journal of Saudi Chemical Society</i> , 2021, 25, 101229.	5.2	17
13	Photochemical reactions between superoxide ions and 2,4,6-trichlorophenol in atmospheric aqueous environments. <i>Chemosphere</i> , 2021, 279, 130537.	8.2	17
14	Removal of Carbon Disulfide from Gas Streams Using Dielectric Barrier Discharge Plasma Coupled with MnO ₂ Catalysis System. <i>Plasma Chemistry and Plasma Processing</i> , 2013, 33, 569-579.	2.4	15
15	Photochemical reaction between triclosan and nitrous acid in the atmospheric aqueous environment. <i>Atmospheric Environment</i> , 2017, 157, 38-48.	4.1	14
16	Photolysis of Glycolaldehyde in the 280~340 nm Region. <i>Journal of Physical Chemistry A</i> , 2010, 114, 8384-8390.	2.5	13
17	Performance of selective catalytic reduction of NO with NH ₃ over natural manganese ore catalysts at low temperature. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 317-326.	2.2	13
18	Photochemical reaction kinetics and mechanisms of diethyl phthalate with N (III) in the atmospheric aqueous environment. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 362, 21-30.	3.9	12

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19	Photocatalytic degradation of gaseous benzene with Bi ₂ WO ₆ /Palygorskite composite catalyst. <i>Solid State Sciences</i> , 2019, 90, 76-85.	3.2	12
20	Decomposition of Ethanethiol Using Dielectric Barrier Discharge Combined with 185Ånm UV-Light Technique. <i>Plasma Chemistry and Plasma Processing</i> , 2015, 35, 355-364.	2.4	11
21	Simultaneous removal of nitrogen and phosphorus using autoclaved aerated concrete particles in biological aerated filters. <i>Desalination and Water Treatment</i> , 2016, 57, 19402-19410.	1.0	11
22	Photochemical reaction between biphenyl and N(III) in the atmospheric aqueous phase. <i>Chemosphere</i> , 2017, 167, 462-468.	8.2	11
23	V ₂ O ₅ /hematite catalyst for low temperature selective catalytic reduction of NO _x with NH ₃ . <i>Chinese Journal of Catalysis</i> , 2014, 35, 99-107.	14.0	10
24	Kinetics analysis of interfacial electron-transfer processes in goethite suspensions systems. <i>Chemosphere</i> , 2017, 188, 667-676.	8.2	9
25	Decomposition of gaseous chlorobenzene using a DBD combined CuO/γ-Fe ₂ O ₃ catalysis system. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 1027-1034.	2.8	4
26	ADSORPTION OF PHOSPHATE FROM AQUEOUS SOLUTIONS BY THERMALLY MODIFIED PALYGORSKITE. <i>Environmental Engineering and Management Journal</i> , 2013, 12, 1393-1399.	0.6	9
27	Electrocatalytic degradation of bisphenol a in aqueous solution using γ-PbO ₂ /Ti as anode. <i>Russian Journal of Electrochemistry</i> , 2015, 51, 353-361.	0.9	8
28	Photochemical transformation of dimethyl phthalate (DMP) with N(III) (H ₂ ONO ⁺ /HONO/NO ₂ [•]) in the atmospheric aqueous environment. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 332-341.	2.9	8
29	Photochemical oxidation of di-n-butyl phthalate in atmospheric hydrometeors by hydroxyl radicals from nitrous acid. <i>Environmental Science and Pollution Research</i> , 2018, 25, 31091-31100.	5.3	8
30	Catalytic removal of gaseous styrene using DBD combined with NiO/Pyrite composite. <i>Solid State Sciences</i> , 2020, 102, 106167.	3.2	8
31	Photochemical reaction kinetics and mechanistic investigations of nitrous acid with sulfamethazine in tropospheric water. <i>Environmental Science and Pollution Research</i> , 2019, 26, 26134-26145.	5.3	7
32	Photochemical transformations of 2, 6-dichlorophenol and 2-chlorophenol with superoxide ions in the atmospheric aqueous phase. <i>Journal of Molecular Structure</i> , 2022, 1261, 132910.	3.6	7
33	Ce(SO ₄) ₂ /γ-Fe ₂ O ₃ selective catalytic reduction of NO _x with NH ₃ : preparation, characterization, and performance. <i>Environmental Science and Pollution Research</i> , 2022, 29, 84421-84433.	5.3	7
34	308nm photochemical reaction of gaseous HNO ₃ and benzene on γ-Fe ₂ O ₃ surfaces. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 299, 31-37.	3.9	4
35	Effect of MnOx/γ-Fe ₂ O ₃ Prepared from Goethite on Selective Catalytic Reduction of NO with NH ₃ . <i>Journal of Chemistry</i> , 2022, 2022, 1-13.	1.9	4
36	Photodissociation of peroxyxynitric acid (HO ₂ NO ₂) aqueous solution at 266 nm. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 342, 35-41.	3.9	3

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37	Photochemical reaction kinetics and mechanism of bisphenol A with $K_2S_2O_8$ in aqueous solution: a laser flash photolysis study. Canadian Journal of Chemistry, 2021, 99, 43-50.	1.1	3
38	Reply to "Comment on '308 nm Photolysis of Nitric Acid in the Gas Phase, on Aluminum Surfaces, and on Ice Films'" Journal of Physical Chemistry A, 2012, 116, 10465-10466.	2.5	1
39	Photochemical oxidation of o-dichlorobenzene in aqueous solution by hydroxyl radicals from nitrous acid. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 420, 113503.	3.9	1
40	Development of bacterial resistance induced by low concentration of two-dimensional black phosphorus <i>via</i> mutagenesis. RSC Advances, 2022, 12, 16071-16078.	3.6	1
41	Removal of Ethanethiol Gas by Iron Oxide Porous Ceramsite Biotrickling Filter. Journal of Chemistry, 2015, 2015, 1-9.	1.9	0
42	Photochemical reaction of superoxide radicals with 1-naphthol. Canadian Journal of Chemistry, 0, , 1-7.	1.1	0