Chengzhu Zhu

List of Publications by Year
in descending order

42 papers	758 citations	623734 14 h-index	552781 26 g-index
42 all docs	42 docs citations	42 times ranked	901 citing authors

#	Article	IF	Citations
1	Decomposition of gaseous chlorobenzene using a DBD combined CuO/Î±-Fe₂O₃ catalysis system. Environmental Technology (United) Tj ETQq1 1 0.784314 rgBT /Ove	7	
2	Photochemical transformations of 2, 6-dichlorophenol and 2-chlorophenol with superoxide ions in the atmospheric aqueous phase. Journal of Molecular Structure, 2022, 1261, 132910.	3.6	7
3	Development of bacterial resistance induced by low concentration of two-dimensional black phosphorus via mutagenesis. RSC Advances, 2022, 12, 16071-16078.	3.6	1
4	Effect of MnOx/Î±-Fe2O3 Prepared from Goethite on Selective Catalytic Reduction of NO with NH3. Journal of Chemistry, 2022, 2022, 1-13.	1.9	4
5	Ce(SO4)2/Î±-Fe2O3 selective catalytic reduction of NOx with NH3: preparation, characterization, and performance. Environmental Science and Pollution Research, 2022, 29, 84421-84433.	5.3	7
6	Photochemical reaction kinetics and mechanism of bisphenol A with K₂S₂O₈ in aqueous solution: a laser flash photolysis study. Canadian Journal of Chemistry, 2021, 99, 43-50.	1.1	3
7	Synthesis of manganese ore/Co3O4 composites by solâ€“gel method for the catalytic oxidation of gaseous chlorobenzene. Journal of Saudi Chemical Society, 2021, 25, 101229.	5.2	17
8	Photochemical reactions between superoxide ions and 2,4,6-trichlorophenol in atmospheric aqueous environments. Chemosphere, 2021, 279, 130537.	8.2	17
9	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
10	Radical chemistry of diethyl phthalate oxidation via UV/peroxymonosulfate process: Roles of primary and secondary radicals. Chemical Engineering Journal, 2020, 379, 122339.	12.7	61
11	Biomaterials cross-linked graphene oxide composite aerogel with a macroâ€“nanoporous network structure for efficient Cr (VI) removal. International Journal of Biological Macromolecules, 2020, 156, 1337-1346.	7.5	22
12	Photochemical reactions between 1,4-benzoquinone and O2â€¢â^'. Environmental Science and Pollution Research, 2020, 27, 31289-31299.	5.3	51
13	Catalytic removal of gaseous styrene using DBD combined with NiO/Pyrite composite. Solid State Sciences, 2020, 102, 106167.	3.2	8
14	Photochemical reaction kinetics and mechanistic investigations of nitrous acid with sulfamethazine in tropospheric water. Environmental Science and Pollution Research, 2019, 26, 26134-26145.	5.3	7
15	Co3O4/Î±-Fe2O3 catalyzed oxidative degradation of gaseous benzene: Preparation, characterization and its catalytic properties. Solid State Sciences, 2019, 93, 79-86.	3.2	30
16	Photocatalytic degradation of gaseous benzene with Bi2WO6/Palygorskite composite catalyst. Solid State Sciences, 2019, 90, 76-85.	3.2	12
17	Photochemical transformation of dimethyl phthalate (DMP) with N(iii)(H2ONO+/HONO/NO2â^') in the atmospheric aqueous environment. Photochemical and Photobiological Sciences, 2018, 17, 332-341.	2.9	8
18	Performance of selective catalytic reduction of NO with NH₃ over natural manganese ore catalysts at low temperature. Environmental Technology (United Kingdom), 2018, 39, 317-326.	2.2	13

#	Article	IF	Citations
19	BiVO4/Î±-Fe2O3 catalytic degradation of gaseous benzene: Preparation, characterization and photocatalytic properties. Applied Surface Science, 2018, 427, 141-147.	6.1	25
20	Photochemical oxidation of di-n-butyl phthalate in atmospheric hydrometeors by hydroxyl radicals from nitrous acid. Environmental Science and Pollution Research, 2018, 25, 31091-31100.	5.3	8
21	Photochemical reaction kinetics and mechanisms of diethyl phthalate with N (III) in the atmospheric aqueous environment. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 362, 21-30.	3.9	12
22	Photocatalytic degradation of gaseous benzene with H3PW12O40/TiO2/palygorskite composite catalyst. Journal of Saudi Chemical Society, 2017, 21, 132-142.	5.2	24
23	Photochemical reaction between biphenyl and N(III) in the atmospheric aqueous phase. Chemosphere, 2017, 167, 462-468.	8.2	11
24	Photodissociation of peroxynitric acid (HO 2 NO 2) aqueous solution at 266 nm. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 342, 35-41.	3.9	3
25	Photochemical reaction between triclosan and nitrous acid in the atmospheric aqueous environment. Atmospheric Environment, 2017, 157, 38-48.	4.1	14
26	Kinetics analysis of interfacial electron-transfer processes in goethite suspensions systems. Chemosphere, 2017, 188, 667-676.	8.2	9
27	Î±-Fe 2 O 3 supported Bi 2 WO 6 for photocatalytic degradation of gaseous benzene. Solid State Sciences, 2017, 71, 14-21.	3.2	17
28	Simultaneous removal of nitrogen and phosphorus using autoclaved aerated concrete particles in biological aerated filters. Desalination and Water Treatment, 2016, 57, 19402-19410.	1.0	11
29	Removal of Ethanethiol Gas by Iron Oxide Porous Ceramsite Biotrickling Filter. Journal of Chemistry, 2015, 2015, 1-9.	1.9	0
30	Decomposition of Ethanethiol Using Dielectric Barrier Discharge Combined with 185Ânm UV-Light Technique. Plasma Chemistry and Plasma Processing, 2015, 35, 355-364.	2.4	11
31	Electrocatalytic degradation of bisphenol a in aqueous solution using Î²-PbO2/Ti as anode. Russian Journal of Electrochemistry, 2015, 51, 353-361.	0.9	8
32	Catalytic degradation of gaseous benzene by using TiO2/goethite immobilized on palygorskite: Preparation, characterization and mechanism. Solid State Sciences, 2015, 49, 1-9.	3.2	27
33	308nm photochemical reaction of gaseous HNO3 and benzene on Î±-Fe2O3 surfaces. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 299, 31-37.	3.9	4
34	Electro-catalytic degradation of bisphenol A with modified Co3O4/Î²-PbO2/Ti electrode. Electrochimica Acta, 2014, 118, 169-175.	5.2	141
35	V2O5/hematite catalyst for low temperature selective catalytic reduction of NOx with NH3. Chinese Journal of Catalysis, 2014, 35, 99-107.	14.0	10
36	Removal of Carbon Disulfide from Gas Streams Using Dielectric Barrier Discharge Plasma Coupled with MnO2 Catalysis System. Plasma Chemistry and Plasma Processing, 2013, 33, 569-579.	2.4	15

#	Article	IF	Citations
37	Removal of gaseous carbon bisulfide using dielectric barrier discharge plasmas combined with TiO2 coated attapulgite catalyst. Chemical Engineering Journal, 2013, 225, 567-573.	12.7	44
38	ADSORPTION OF PHOSPHATE FROM AQUEOUS SOLUTIONS BY THERMALLY MODIFIED PALYGORSKITE. Environmental Engineering and Management Journal, 2013, 12, 1393-1399.	0.6	9
39	Reply to â€œComment on '308 nm Photolysis of Nitric Acid in the Gas Phase, on Aluminum Surfaces, and on Ice Films'â€• Journal of Physical Chemistry A, 2012, 116, 10465-10466.	2.5	1
40	Photolysis of Glycolaldehyde in the 280â^'340 nm Region. Journal of Physical Chemistry A, 2010, 114, 8384-8390.	2.5	13
41	308 nm Photolysis of Nitric Acid in the Gas Phase, on Aluminum Surfaces, and on Ice Films. Journal of Physical Chemistry A, 2010, 114, 2561-2568.	2.5	63
42	Photochemical reaction of superoxide radicals with 1-naphthol. Canadian Journal of Chemistry, 0, , 1-7.	1.1	0