

# Bo-Tao Zhang

## List of Publications by Year in descending order

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38  
papers

2,318  
citations

279798

23  
h-index

315739

38  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2670  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sulfate Radical and Its Application in Decontamination Technologies. <i>Critical Reviews in Environmental Science and Technology</i> , 2015, 45, 1756-1800.	12.8	392
2	Application of carbon-based nanomaterials in sample preparation: A review. <i>Analytica Chimica Acta</i> , 2013, 784, 1-17.	5.4	387
3	Distribution of microplastics in surface water of the lower Yellow River near estuary. <i>Science of the Total Environment</i> , 2020, 707, 135601.	8.0	233
4	Distribution of phthalate acid esters in lakes of Beijing and its relationship with anthropogenic activities. <i>Science of the Total Environment</i> , 2014, 476-477, 107-113.	8.0	132
5	Heterogeneous activation of persulfate by carbon nanofiber supported Fe <sub>3</sub> O <sub>4</sub> @carbon composites for efficient ibuprofen degradation. <i>Journal of Hazardous Materials</i> , 2021, 401, 123428.	12.4	124
6	Determination of folic acid by chemiluminescence based on peroxomonosulfate-cobalt(II) system. <i>Talanta</i> , 2008, 74, 1154-1159.	5.5	114
7	Experimental Studies on the Chemiluminescence Reaction Mechanism of Carbonate/Bicarbonate and Hydrogen Peroxide in the Presence of Cobalt(II). <i>Journal of Physical Chemistry A</i> , 2008, 112, 618-623.	2.5	82
8	Oxidative degradation of chloroxylenol in aqueous solution by thermally activated persulfate: Kinetics, mechanisms and toxicities. <i>Chemical Engineering Journal</i> , 2019, 368, 553-563.	12.7	75
9	Carbon nanofibers supported Co/Ag bimetallic nanoparticles for heterogeneous activation of peroxymonosulfate and efficient oxidation of amoxicillin. <i>Journal of Hazardous Materials</i> , 2020, 400, 123290.	12.4	58
10	CO <sub>2</sub> Separation by a New Solid K <sup>+</sup> Fe Sorbent. <i>Energy &amp; Fuels</i> , 2011, 25, 1919-1925.	5.1	54
11	Electrospun magnetic cobalt-carbon nanofiber composites with axis-sheath structure for efficient peroxymonosulfate activation. <i>Applied Surface Science</i> , 2018, 452, 443-450.	6.1	47
12	Study on superoxide and hydroxyl radicals generated in indirect electrochemical oxidation by chemiluminescence and UV-Visible spectra. <i>Journal of Environmental Sciences</i> , 2008, 20, 1006-1011.	6.1	44
13	Response of sediment organic phosphorus composition to lake trophic status in China. <i>Science of the Total Environment</i> , 2019, 652, 495-504.	8.0	42
14	Degradation of ibuprofen in the carbon dots/Fe <sub>3</sub> O <sub>4</sub> @carbon sphere pomegranate-like composites activated persulfate system. <i>Separation and Purification Technology</i> , 2020, 242, 116820.	7.9	42
15	Oxidation of Dyes by Alkaline-Activated Peroxymonosulfate. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	1.4	38
16	Hot electron injection: An efficacious approach to charge LaCoO <sub>3</sub> for improving the water splitting efficiency. <i>Applied Catalysis B: Environmental</i> , 2017, 219, 432-438.	20.2	33
17	Activation of persulfate by core-shell structured Fe <sub>3</sub> O <sub>4</sub> @C/CDs-Ag nanocomposite for the efficient degradation of penicillin. <i>Separation and Purification Technology</i> , 2021, 254, 117617.	7.9	32
18	Vortex solvent bar microextraction for phthalate esters from aqueous matrices. <i>Talanta</i> , 2012, 100, 64-70.	5.5	30

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19	Spatial distribution of phthalate acid esters in sediments of the Laizhou Bay and its relationship with anthropogenic activities and geochemical variables. <i>Science of the Total Environment</i> , 2020, 722, 137912.	8.0	30
20	Application of percarbonate and peroxymonocarbonate in decontamination technologies. <i>Journal of Environmental Sciences</i> , 2021, 105, 100-115.	6.1	30
21	Application trends of nanofibers in analytical chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 131, 115992.	11.4	29
22	Seasonal variation of aquatic macrophytes and its relationship with environmental factors in Baiyangdian Lake, China. <i>Science of the Total Environment</i> , 2020, 708, 135112.	8.0	27
23	Preparation of durable graphene-bonded titanium fibers for efficient microextraction of phthalates from aqueous matrices and analysis with gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1370, 9-16.	3.7	25
24	Comparison of the catalytic performances of different commercial cobalt oxides for peroxymonosulfate activation during dye degradation. <i>Chemical Research in Chinese Universities</i> , 2017, 33, 822-827.	2.6	24
25	Activated carbon supported nanoscale zero valent iron for cooperative adsorption and persulfate-driven oxidation of ampicillin. <i>Environmental Technology and Innovation</i> , 2020, 19, 100956.	6.1	24
26	Occurrence and risk assessment of total mercury and methylmercury in surface seawater and sediments from the Jiaozhou Bay, Yellow Sea. <i>Science of the Total Environment</i> , 2020, 714, 136539.	8.0	20
27	Trophic transfer and dietary exposure risk of mercury in aquatic organisms from urbanized coastal ecosystems. <i>Chemosphere</i> , 2021, 281, 130836.	8.2	20
28	Heterogeneous activation of persulfate by activated carbon supported iron for efficient amoxicillin degradation. <i>Environmental Technology and Innovation</i> , 2021, 21, 101259.	6.1	19
29	Chemiluminescence and energy transfer mechanism of lanthanide ions in different media based on peroxymonosulfate system. <i>Luminescence</i> , 2010, 25, 322-327.	2.9	18
30	Synthesis of mesoporous MCM-41 supported reduced graphene oxide-Fe catalyst for heterogeneous Fenton degradation of phenol. <i>RSC Advances</i> , 2015, 5, 103989-103998.	3.6	18
31	Determination of Rifampicin by Peroxymonosulfate-Cobalt(II) Chemiluminescence System. <i>Chinese Journal of Chemistry</i> , 2008, 26, 905-910.	4.9	16
32	Evaluating climate and irrigation effects on spatiotemporal variabilities of regional groundwater in an arid area using EOFs. <i>Science of the Total Environment</i> , 2020, 709, 136147.	8.0	14
33	Fast determination of peroxymonosulfate by flow injection chemiluminescence using the Tb(III) ligand in micelle medium. <i>Luminescence</i> , 2020, 35, 274-283.	2.9	12
34	Partition and Fate of Phthalate Acid Esters (PAEs) in a Full-Scale Horizontal Subsurface Flow Constructed Wetland Treating Polluted River Water. <i>Water (Switzerland)</i> , 2020, 12, 865.	2.7	12
35	Spatial distribution of phthalate acid esters in sediments and its relationships with anthropogenic activities and environmental variables of the Jiaozhou Bay. <i>Marine Pollution Bulletin</i> , 2020, 155, 111161.	5.0	8
36	Physical, hydrochemical and isotopic characteristics of springs in Beijing, China, compared to historical properties. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 300, 315-323.	1.5	6

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37	Spatial-temporal distributions and influential factors of phthalate acid esters in sediments of three lakes in Inner Mongolia. <i>Environmental Science and Pollution Research</i> , 2022, 29, 32800-32812.	5.3	4
38	Observation of plasmon boosted photoelectrochemical activities on single Au/Cu <sub>2</sub> O nanoelectrode. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 165102.	2.8	3