Xike Tian

List of Publications by Year
in descending order

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119	4,838	94433	106344
papers	citations	37 h-index	65 g-index

119	119	119	6201
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Identification and manipulation of active centers on perovskites to enhance catalysis of peroxymonosulfate for degradation of emerging pollutants in water. Journal of Hazardous Materials, 2022, 424, 127384.	12.4	21
2	Anionic ligands driven efficient ofloxacin degradation over LaMnO3 suspended particles in water due to the enhanced peroxymonosulfate activation. Chemical Engineering Journal, 2022, 427, 130998.	12.7	17
3	Rapid and sensitive screening of multiple polycyclic aromatic hydrocarbons by a reusable fluorescent sensor array. Journal of Hazardous Materials, 2022, 424, 127694.	12.4	12
4	Insight into enhanced Fenton-like degradation of antibiotics over CuFeO2 based nanocomposite: To improve the utilization efficiency of OH/O2- via minimizing its migration distance. Chemosphere, 2022, 294, 133743.	8.2	9
5	New Insight into a Fenton-like Reaction Mechanism over Sulfidated Î²-FeOOH: Key Role of Sulfidation in Efficient Iron(III) Reduction and Sulfate Radical Generation. Environmental Science & Technology, 2022, 56, 5542-5551.	10.0	35
6	Film-based fluorescent sensor for visual monitoring and efficient removal of aniline in solutions and gas phase. Journal of Hazardous Materials, 2022, 435, 129016.	12.4	10
7	Surface acidity and basicity of Mg/Al hydrotalcite for 2, 4-dichlorophenoxyacetic acid degradation with ozone: Mineralization, mechanism, and implications to practical water treatment. Journal of Hazardous Materials, 2021, 402, 123475.	12.4	18
8	A versatile logic detector and fluorescent film based on Eu-based MOF for swift detection of formaldehyde in solutions and gas phase. Journal of Hazardous Materials, 2021, 410, 124624.	12.4	32
9	Sulfur quantum dot-based portable paper sensors for fluorometric and colorimetric dual-channel detection of cobalt. Journal of Materials Science, 2021, 56, 4782-4796.	3.7	13
10	Broad-spectrum pesticide screening by multiple cholinesterases and thiocholine sensors assembled high-throughput optical array system. Journal of Hazardous Materials, 2021, 402, 123830.	12.4	29
11	Current Water Treatment Technologies: An Introduction. , 2021, , 1-35.		0
12	Application of Heterogeneous Nanocatalysis-Based Advanced Oxidation Processes in Water Purification. , 2021, , 2941-2987.		0
13	Application of Heterogeneous Nanocatalysis-Based Advanced Oxidation Processes in Water Purification. , 2021, , 1-47.		0
14	Current Water Treatment Technologies: An Introduction. , 2021, , 2033-2066.		0
15	Hydroxyl Radical-Involving p-Nitrophenol Oxidation during Its Reduction by Nanoscale Sulfidated Zerovalent Iron under Anaerobic Conditions. Environmental Science & Technology, 2021, 55, 2403-2410.	10.0	26
16	Reinjection flow field-flow fractionation method for nanoparticle quantitative analysis in unknown and complex samples. Journal of Chromatography A, 2021, 1638, 461897.	3.7	1
17	More reactive oxygen species generation facilitated by highly dispersed bimodal gold nanoparticle on the surface of Bi2WO6 for enhanced photocatalytic degradation of ofloxacin in water. Chemosphere, 2021, 269, 128717.	8.2	19
18	Smartphone as a simple device for visual and on-site detection of fluoride in groundwater. Journal of Hazardous Materials, 2021, 411, 125182.	12.4	30

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19	Natural alumina/silica suspended particles in water to enhance ofloxacin degradation with UVA-H2O2 driven by surface chemistry. Journal of Hazardous Materials, 2021, 412, 125259.	12.4	10
20	Copper in LaMnO3 to promote peroxymonosulfate activation by regulating the reactive oxygen species in sulfamethoxazole degradation. Journal of Hazardous Materials, 2021, 411, 125163.	12.4	65
21	pH-dependent oxidation mechanisms over FeCu doped g-C3N4 for ofloxacin degradation via the efficient peroxymonosulfate activation. Journal of Cleaner Production, 2021, 315, 128207.	9.3	50
22	Construction of multi-channel fluorescence sensor array and its application for accurate identification and sensitive quantification of multiple metal ions. Sensors and Actuators B: Chemical, 2020, 303, 127277.	7.8	28
23	Carbon dotsâ€“MnO₂ nanocomposites for As(<scp>iii</scp>) detection in groundwater with high sensitivity and selectivity. Analytical Methods, 2020, 12, 5572-5580.	2.7	15
24	A portable logic detector based on Eu-MOF for multi-target, on-site, visual detection of Eu3+ and fluoride in groundwater. Sensors and Actuators B: Chemical, 2020, 324, 128641.	7.8	56
25	Fe3O4@S-doped ZnO: A magnetic, recoverable, and reusable Fenton-like catalyst for efficient degradation of ofloxacin under alkaline conditions. Environmental Research, 2020, 186, 109626.	7.5	16
26	Efficient fenton-like degradation of ofloxacin over bimetallic Feâ€“Cu@Sepiolite composite. Chemosphere, 2020, 257, 127209.	8.2	30
27	Portable ratiometric probe based on the use of europium(III) coordination polymers doped with carbon dots for visual fluorometric determination of oxytetracycline. Mikrochimica Acta, 2020, 187, 125.	5.0	31
28	Significant enhancement of photo-Fenton degradation of ofloxacin over Fe-Dis@Sep due to highly dispersed FeC6 with electron deficiency. Science of the Total Environment, 2020, 723, 138144.	8.0	16
29	Portable smartphone-integrated paper sensors for fluorescence detection of As(III) in groundwater. Royal Society Open Science, 2020, 7, 201500.	2.4	8
30	Current Water Treatment Technologies. , 2020, , 1-47.		0
31	Safe and efficient degradation of metronidazole using highly dispersed Î²-FeOOH on palygorskite as heterogeneous Fenton-like activator of hydrogen peroxide. Chemosphere, 2019, 236, 124367.	8.2	28
32	A promising method for diabetes early diagnosis via sensitive detection of urine glucose by Fe Pd/rGO. Dyes and Pigments, 2019, 164, 20-26.	3.7	23
33	Construction of salicylaldehyde analogues as turn-on fluorescence probes and their electronic effect on sensitive and selective detection of As(<scp>v</scp>) in groundwater. Analytical Methods, 2019, 11, 955-964.	2.7	9
34	Characterization of the effect of surfactant on biomass adaptation and microbial community in sewage treatment by anaerobic membrane bioreactor. Journal of Industrial and Engineering Chemistry, 2019, 76, 268-276.	5.8	9
35	Novel Colorimetric Method for Simultaneous Detection and Identification of Multimetal Ions in Water: Sensitivity, Selectivity, and Recognition Mechanism. ACS Omega, 2019, 4, 5915-5922.	3.5	34
36	Enhanced 2, 4-dichlorophenol degradation at pH 3â€“11 by peroxymonosulfate via controlling the reactive oxygen species over Ce substituted 3D Mn2O3. Chemical Engineering Journal, 2019, 355, 448-456.	12.7	105

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37	Silica-embedded CdTe quantum dots functionalized with rhodamine derivative for instant visual detection of ferric ions in aqueous media. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 372, 140-146.	3.9	10
38	Promoted peroxymonosulfate activation into singlet oxygen over perovskite for ofloxacin degradation by controlling the oxygen defect concentration. Chemical Engineering Journal, 2019, 359, 828-839.	12.7	213
39	Ratiometric fluorescence detection of mercuric ions by sole intrinsic dual-emitting gold nanoclusters. Sensors and Actuators B: Chemical, 2019, 278, 82-87.	7.8	37
40	Sensitive determination of hardness and fluoride in ground water by a hybrid nanosensor based on aggregation induced FRET on and off mechanism. Sensors and Actuators B: Chemical, 2018, 262, 522-530.	7.8	18
41	Surface Facet of CuFeO₂ Nanocatalyst: A Key Parameter for H₂O₂ Activation in Fenton-Like Reaction and Organic Pollutant Degradation. Environmental Science & Technology, 2018, 52, 6518-6525.	10.0	150
42	Enhanced usage of visible light by BiSex for photocatalytic degradation of methylene blue in water via the tunable band gap and energy band position. Journal of Cleaner Production, 2018, 171, 538-547.	9.3	25
43	Nonenzymatic electrochemical sensor based on CuO-TiO2 for sensitive and selective detection of methyl parathion pesticide in ground water. Sensors and Actuators B: Chemical, 2018, 256, 135-142.	7.8	137
44	Controlled synthesis of dandelion-like NiCo2O4 microspheres and their catalytic performance for peroxymonosulfate activation in humic acid degradation. Chemical Engineering Journal, 2018, 331, 144-151.	12.7	107
45	A carbon-dot-based dual-emission probe for ultrasensitive visual detection of copper ions. New Journal of Chemistry, 2018, 42, 19771-19778.	2.8	11
46	Novel AIEgens with a 3,5-dibromobenzaldehyde skeleton: molecular design, synthesis, tunable emission and detection application. Analytical Methods, 2018, 10, 5486-5492.	2.7	4
47	Surface deep oxidation of ofloxacin and 2,4-dichlorophenol over ferrocene@sepiolite due to their synergistic effect in visible light driven heterogeneous Fenton reaction process. Environmental Science: Nano, 2018, 5, 1943-1950.	4.3	13
48	Biogenic manganese oxide: An efficient peroxymonosulfate activation catalyst for tetracycline and phenol degradation in water. Chemical Engineering Journal, 2018, 352, 469-476.	12.7	129
49	Enhanced peroxymonosulfate activation for phenol degradation over MnO2 at pH 3.5â€“9.0 via Cu(II) substitution. Journal of Hazardous Materials, 2018, 360, 303-310.	12.4	111
50	Effect of anionic surfactant inhibition on sewage treatment by a submerged anaerobic membrane bioreactor: Efficiency, sludge activity and methane recovery. Chemical Engineering Journal, 2017, 315, 83-91.	12.7	45
51	Visual and quantitative detection of glucose based on the intrinsic peroxidase-like activity of CoSe2/rGO nanohybrids. Sensors and Actuators B: Chemical, 2017, 245, 221-229.	7.8	25
52	Design and synthesis of a molecule with aggregation-induced emission effects and its application in the detection of arsenite in groundwater. Journal of Materials Chemistry C, 2017, 5, 3669-3672.	5.5	32
53	Sensitive and selective ratiometric nanosensors for visual detection of Cu2+ based on ions promoted oxidation reaction. Sensors and Actuators B: Chemical, 2017, 247, 139-145.	7.8	11
54	Superior capability of MgAl2O4 for selenite removal from contaminated groundwater during its reconstruction of layered double hydroxides. Separation and Purification Technology, 2017, 176, 66-72.	7.9	46

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55	Impact of food to microorganism ratio and alcohol ethoxylate dosage on methane production in treatment of low-strength wastewater by a submerged anaerobic membrane bioreactor. Frontiers of Environmental Science and Engineering, 2017, 11, 1.	6.0	16
56	A novel singlet oxygen involved peroxymonosulfate activation mechanism for degradation of ofloxacin and phenol in water. Chemical Communications, 2017, 53, 6589-6592.	4.1	154
57	Successful synthesis of 3D CoSe2 hollow microspheres with high surface roughness and its excellent performance in catalytic hydrogen evolution reaction. Chemical Engineering Journal, 2017, 321, 105-112.	12.7	63
58	Large-Scale Synthesis of Graphene-Like MoSe₂ Nanosheets for Efficient Hydrogen Evolution Reaction. Journal of Physical Chemistry C, 2017, 121, 1974-1981.	3.1	62
59	Highly sensitive and selective paper sensor based on carbon quantum dots for visual detection of TNT residues in groundwater. Sensors and Actuators B: Chemical, 2017, 243, 1002-1009.	7.8	114
60	Efficient methanogenic degradation of alcohol ethoxylates and microbial community acclimation in treatment of municipal wastewater using a submerged anaerobic membrane bioreactor. Bioresource Technology, 2017, 226, 181-190.	9.6	30
61	Oxygen Vacancy Promoted Heterogeneous Fenton-like Degradation of Ofloxacin at pH 3.2â€“9.0 by Cu Substituted Magnetic Fe₃O₄@FeOOH Nanocomposite. Environmental Science & Technology, 2017, 51, 12699-12706.	10.0	273
62	Polyethylenimine-Functionalized Corn Bract, an Agricultural Waste Material, for Efficient Removal and Recovery of Cr(VI) from Aqueous Solution. Journal of Agricultural and Food Chemistry, 2017, 65, 7153-7158.	5.2	64
63	Impact of water characteristics on the bioenergy recovery from sewage treatment by anaerobic membrane bioreactor via a comprehensive study on the response of microbial community and methanogenic activity. Energy, 2017, 139, 459-467.	8.8	31
64	Heterogeneous Fenton-like degradation of ofloxacin over a wide pH range of 3.6â€“10.0 over modified mesoporous iron oxide. Chemical Engineering Journal, 2017, 328, 397-405.	12.7	64
65	Highly selective and sensitive determination of copper ion based on a visual fluorescence method. Sensors and Actuators B: Chemical, 2017, 240, 66-75.	7.8	59
66	Hierarchical BiOCl Hollow Microspheres Assembled by Ultrathin Nanosheets with Large Surface Area for the Exceptional Visible Light Photocatalytic Activity. Journal of Nanoscience and Nanotechnology, 2017, 17, 6328-6336.	0.9	4
67	A ratiometric fluorescence nanosensor for highly selective and sensitive detection of selenite. Analyst, The, 2016, 141, 4685-4693.	3.5	23
68	Facile synthesis of hierarchical dendrite-like structure iron layered double hydroxide nanohybrids for effective arsenic removal. Chemical Communications, 2016, 52, 11955-11958.	4.1	40
69	Fabrication, performance and mechanism of MgO meso-/macroporous nanostructures for simultaneous removal of As(<scp>iii</scp>) and F in a groundwater system. Environmental Science: Nano, 2016, 3, 1416-1424.	4.3	61
70	Potassium cation induced controllable synthesis of CAN zeolite hollow microspheres. Microporous and Mesoporous Materials, 2016, 225, 365-370.	4.4	14
71	Carbon doped molybdenum disulfide nanosheets stabilized on graphene for the hydrogen evolution reaction with high electrocatalytic ability. Nanoscale, 2016, 8, 1676-1683.	5.6	88
72	Cr(VI) reduction and immobilization by novel carbonaceous modified magnetic Fe3O4/halloysite nanohybrid. Journal of Hazardous Materials, 2016, 309, 151-156.	12.4	126

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73	Facile synthesis of Fe 3 O 4 nanoparticles decorated on 3D graphene aerogels as broad-spectrum sorbents for water treatment. Applied Surface Science, 2016, 369, 11-18.	6.1	69
74	Hierarchical BiOCl microspheres with narrow band gap as visible light active photocatalysts. Inorganica Chimica Acta, 2016, 439, 123-129.	2.4	21
75	Polyethylenimine functionalized halloysite nanotubes for efficient removal and fixation of Cr (VI). Microporous and Mesoporous Materials, 2015, 207, 46-52.	4.4	120
76	Controlled synthesis of truncated octahedral bismuth micron particles with giant positive magnetoresistance. CrystEngComm, 2015, 17, 7056-7062.	2.6	2
77	Visible-light-responsive t-Se nanorod photocatalysts: synthesis, properties, and mechanism. RSC Advances, 2015, 5, 45165-45171.	3.6	20
78	Adsorption behavior of methylene blue on amine-functionalized ordered mesoporous alumina. Journal of Porous Materials, 2015, 22, 147-155.	2.6	26
79	Well-dispersed magnetic iron oxide nanocrystals on sepiolite nanofibers for arsenic removal. RSC Advances, 2015, 5, 25236-25243.	3.6	50
80	Novel MoSe₂ hierarchical microspheres for applications in visible-light-driven advanced oxidation processes. Nanoscale, 2015, 7, 19970-19976.	5.6	57
81	An investigation on the use of electrolytic manganese residue as filler in sulfur concrete. Construction and Building Materials, 2014, 73, 305-310.	7.2	79
82	Fluoride removal by ordered and disordered mesoporous aluminas. Microporous and Mesoporous Materials, 2014, 197, 156-163.	4.4	65
83	Dispersed conductive polymer nanoparticles on graphitic carbon nitride for enhanced solar-driven hydrogen evolution from pure water. Nanoscale, 2013, 5, 9150.	5.6	182
84	Selective and sensitive colorimetric detection of copper ions based on anti-aggregation of the glutathione-induced aggregated gold nanoparticles and its application for determining sulfide anions. RSC Advances, 2013, 3, 21424.	3.6	19
85	Stable Cu2O nanocrystals grown on functionalized graphene sheets and room temperature H2S gas sensing with ultrahigh sensitivity. Nanoscale, 2013, 5, 1564.	5.6	184
86	A simple technique for the facile synthesis of novel crystalline mesoporous ZrO2â€“Al2O3 hierarchical nanostructures with high lead (II) ion absorption ability. Applied Surface Science, 2013, 284, 412-418.	6.1	10
87	Novel Erythrocyte-like Graphene Microspheres with High Quality and Mass Production Capability via Electrospray Assisted Self-Assembly. Scientific Reports, 2013, 3, 3327.	3.3	23
88	Electrochemical Treatment of Reverse Osmosis Concentrate of Oil Refining Wastewater by Mn-Sn-Ce/gamma-Al2O3 Particle Electrode. , 2012, , .		0
89	Studies of the reduction mechanism of selenium dioxide and its impact on the microstructure of manganese electrodeposit. Electrochimica Acta, 2011, 56, 8305-8310.	5.2	39
90	A mesoporous Pt-SBA-15 nano architecture with catalytic functions on oxidation of CO. Journal of Porous Materials, 2011, 18, 31-35.	2.6	5

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91	Capturing and storage of CO2 by micron-nano minerals: Evidence from the nature. Diqiu Huaxue, 2011, 30, 569-575.	0.5	4
92	Fabrication and stabilization of nanocrystalline ordered mesoporous MgOâ€“ZrO2 solid solution. Microporous and Mesoporous Materials, 2011, 143, 357-361.	4.4	33
93	Mechanism for <I>Î±</I>-MnO₂ Nanowire-Induced Cytotoxicity in Hela Cells. Journal of Nanoscience and Nanotechnology, 2010, 10, 397-404.	0.9	28
94	Synthesis of Flower-Like CuS Nanostructured Microspheres Using Poly(ethylene glycol) 200 as Solvent. Journal of Nanoscience and Nanotechnology, 2010, 10, 7770-7773.	0.9	6
95	Formation of CuS pineal microspheres via a pyridine-solvothermal process. Journal Wuhan University of Technology, Materials Science Edition, 2010, 25, 459-463.	1.0	8
96	Synthesis of crystalline ordered mesoporous CaOâ€“ZrO2 solid solution as a promising solid base. Materials Chemistry and Physics, 2010, 124, 744-747.	4.0	13
97	Facile synthesis of Î±-MnO2 nanorods for high-performance alkaline batteries. Journal of Physics and Chemistry of Solids, 2010, 71, 258-262.	4.0	82
98	Reductive leaching of manganese from low-grade manganese dioxide ores using corncob as reductant in sulfuric acid solution. Hydrometallurgy, 2010, 100, 157-160.	4.3	108
99	Recovery of iron oxide concentrate from high-sulfur and low-grade pyrite cinder using an innovative beneficiating process. Hydrometallurgy, 2010, 104, 241-246.	4.3	26
100	Synthesis and electrochemical properties of two types of highly ordered mesoporous MnO2. Electrochimica Acta, 2010, 55, 1682-1686.	5.2	27
101	Synthesis of Chromium-Doped Malayaite Pigments from Wastewater Containing Low Chromium(VI). Journal of the Air and Waste Management Association, 2010, 60, 1257-1261.	1.9	9
102	Synthesis, Characterization and Catalytic Applications in Propane Dehydrogenation of Ordered Mesoporous Alumina. Journal of Nanoscience and Nanotechnology, 2009, 9, 6876-82.	0.9	1
103	Facile synthesis of Î±-MnO2 nanostructures for supercapacitors. Materials Research Bulletin, 2009, 44, 2062-2067.	5.2	71
104	Preparation and tunable photoluminescence of alloyed CdSxSe1â^'x nanorods. Journal of Materials Science, 2009, 44, 3015-3019.	3.7	20
105	Chemical vapor deposition synthesis and photoluminescence properties of ZnS hollow microspheres. Materials Research Bulletin, 2008, 43, 1966-1970.	5.2	10
106	A Template-Based Electrochemical Method for the Synthesis of High Dense Nickel Nanotube Arrays. Journal of Nanoscience and Nanotechnology, 2007, 7, 673-676.	0.9	4
107	Preparation of ultrafine particles of azithromycin by sonochemical method. Nanomedicine: Nanotechnology, Biology, and Medicine, 2007, 3, 86-88.	3.3	3
108	Catalyst-Enhanced Chemical Vapor Deposition of Palladium-Platinum Bilayer Nano-Films on Polysulfone. Chinese Journal of Catalysis, 2007, 28, 755-757.	14.0	2

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109	Low-temperature synthesis and structural characterization of single-crystalline tungsten oxide nanorods. Materials Letters, 2007, 61, 1718-1721.	2.6	20
110	Tuning the optical properties of alloyed CdSexS1âˆ'x nanoparticles by changing the constituent stoichiometry. Materials Letters, 2007, 61, 4857-4860.	2.6	3
111	Exfoliation of kaolinite by urea-intercalation precursor and microwave irradiation assistance process. Frontiers of Earth Science, 2007, 1, 26-29.	0.5	15
112	High-Density, Aligned SiO2Nanowire Arrays:Â Microscopic Imaging of the Unique Growth Style and Their Ultraviolet Light Emission Properties. Journal of Physical Chemistry B, 2006, 110, 15724-15728.	2.6	30
113	Synthesis and growth mechanism: A novel comb-like ZnO nanostructure. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 31, 213-217.	2.7	16
114	Selective temperature physical vapor deposition route to tri(8-hydroquinoline)aluminum nanowires, nanowalls, nanoclusters and micro-spherical chains. Solid State Communications, 2006, 138, 530-533.	1.9	7
115	Manipulation of the Morphology of CdSe Nanostructures: The Effect of Si. Advanced Functional Materials, 2006, 16, 661-666.	14.9	26
116	Large-Scale Synthesis of a Novel Tri(8-Hydroxyquioline) Aluminum Nanostructure. Journal of Nanoscience and Nanotechnology, 2006, 6, 2580-2583.	0.9	0
117	Synthesis and characterization of amoxicillin nanostructures. Nanomedicine: Nanotechnology, Biology, and Medicine, 2005, 1, 323-325.	3.3	6
118	Fabrication and structural characterization of porous tungsten oxide nanowires. Nanotechnology, 2005, 16, 2647-2650.	2.6	60
119	Insight into bicarbonate involved efficient heterogeneous Fenton-like degradation of sulfamethoxazole over a CuFeO₂ based composite under alkaline conditions. Environmental Science: Nano, 0, , .	4.3	14