

# Xu Huan-Yan

## List of Publications by Year in descending order

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57  
papers

1,199  
citations

393982

19  
h-index

395343

33  
g-index

58  
all docs

58  
docs citations

58  
times ranked

1421  
citing authors

#	ARTICLE	IF	CITATIONS
1	Degradation of Organic Dyes over Fenton-Like Cu <sub>2</sub> O@Cu/C Catalysts. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 14011-14021.	1.8	116
2	Multi-component sorption of Pb(II), Cu(II) and Zn(II) onto low-cost mineral adsorbent. <i>Journal of Hazardous Materials</i> , 2008, 154, 221-229.	6.5	103
3	Schorl: A novel catalyst in mineral-catalyzed Fenton-like system for dyeing wastewater discoloration. <i>Journal of Hazardous Materials</i> , 2009, 165, 1186-1192.	6.5	89
4	Combination Mechanism and Enhanced Visible-Light Photocatalytic Activity and Stability of CdS/g-C <sub>3</sub> N <sub>4</sub> Heterojunctions. <i>Journal of Materials Science and Technology</i> , 2017, 33, 30-38.	5.6	74
5	Enhancement strategies for efficient activation of persulfate by heterogeneous cobalt-containing catalysts: A review. <i>Chemosphere</i> , 2022, 291, 132954.	4.2	73
6	Synergic Effect between Adsorption and Photocatalysis of Metal-Free g-C <sub>3</sub> N <sub>4</sub> Derived from Different Precursors. <i>PLoS ONE</i> , 2015, 10, e0142616.	1.1	57
7	Nanoparticles of magnetite anchored onto few-layer graphene: A highly efficient Fenton-like nanocomposite catalyst. <i>Journal of Colloid and Interface Science</i> , 2018, 532, 161-170.	5.0	54
8	Treatment of phenol wastewater by microwave-induced ClO <sub>2</sub> -CuOx/Al <sub>2</sub> O <sub>3</sub> catalytic oxidation process. <i>Journal of Environmental Sciences</i> , 2007, 19, 1510-1515.	3.2	50
9	Effects of porosity and pore size on mechanical and thermal properties as well as thermal shock fracture resistance of porous ZrB <sub>2</sub> @SiC ceramics. <i>Ceramics International</i> , 2016, 42, 9051-9057.	2.3	37
10	Heterogeneous Fenton-like discoloration of methyl orange using Fe <sub>3</sub> O <sub>4</sub> /MWCNTs as catalyst: process optimization by response surface methodology. <i>Frontiers of Materials Science</i> , 2016, 10, 45-55.	1.1	37
11	Heterogeneous Fenton-like discoloration of Rhodamine B using natural schorl as catalyst: optimization by response surface methodology. <i>Environmental Science and Pollution Research</i> , 2013, 20, 5764-5772.	2.7	34
12	Discoloration of Methyl Orange in the Presence of Schorl and H <sub>2</sub> O <sub>2</sub> : Kinetics and Mechanism. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	31
13	Kinetics and optimization on discoloration of dyeing wastewater by schorl-catalyzed fenton-like reaction. <i>Journal of the Serbian Chemical Society</i> , 2014, 79, 361-377.	0.4	30
14	Heterogeneous Fenton-like discoloration of methyl orange using Fe <sub>3</sub> O <sub>4</sub> /MWCNTs as catalyst: kinetics and Fenton-like mechanism. <i>Frontiers of Materials Science</i> , 2018, 12, 34-44.	1.1	30
15	Enhanced photocatalytic discoloration of acid fuchsine wastewater by TiO <sub>2</sub> /schorl composite catalyst. <i>Journal of Hazardous Materials</i> , 2010, 175, 658-665.	6.5	27
16	Discoloration of Rhodamine B dyeing wastewater by schorl-catalyzed Fenton-like reaction. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 3054-3060.	0.9	24
17	Photocatalytic discoloration of Methyl Orange by anatase/schorl composite: optimization using response surface method. <i>Environmental Science and Pollution Research</i> , 2014, 21, 1582-1591.	2.7	24
18	Crystal-chemistry insight into the photocatalytic activity of BiOCl <sub>x</sub> Br <sub>1-x</sub> nanoplate solid solutions. <i>Frontiers of Materials Science</i> , 2017, 11, 120-129.	1.1	22

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19	Adsorption of acid fuchsin onto LTA-type zeolite derived from fly ash. <i>Science China Technological Sciences</i> , 2014, 57, 1127-1134.	2.0	21
20	Structure-Dependent Photocatalytic Performance of BiOBr <sub>1-x</sub> Nanoplate Solid Solutions. <i>Catalysts</i> , 2017, 7, 153.	1.6	20
21	Synergic enhancement of the anticorrosion properties of an epoxy coating by compositing with both graphene and halloysite nanotubes. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47562.	1.3	20
22	Fabricating an oxygen-vacancy-rich urchin-like Co <sub>3</sub> O <sub>4</sub> nanocatalyst to boost peroxymonosulfate activation to degrade high-concentration crystal violet. <i>Ceramics International</i> , 2022, 48, 26553-26564.	2.3	20
23	Process optimization on methyl orange discoloration in Fe <sub>3</sub> O <sub>4</sub> /RGO-H <sub>2</sub> O <sub>2</sub> Fenton-like system. <i>Water Science and Technology</i> , 2018, 77, 2929-2939.	1.2	18
24	Adsorption and Photocatalysis of Organic Dyes by g-C <sub>3</sub> N <sub>4</sub> In Situ Doped with S. <i>Science of Advanced Materials</i> , 2016, 8, 1408-1416.	0.1	16
25	TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> heterojunctions: In situ fabrication mechanism and enhanced photocatalytic activity. <i>Frontiers of Materials Science</i> , 2016, 10, 310-319.	1.1	13
26	Core-shell g-C <sub>3</sub> N <sub>4</sub> @Zn <sub>0.5</sub> Cd <sub>0.5</sub> S heterojunction photocatalysts with high photocatalytic activity for the degradation of organic dyes. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 5284-5296.	1.1	13
27	Visible-light-driven photocatalytic degradation of rhodamine B in water by BiOCl <sub>1-x</sub> solid solutions. <i>Water Science and Technology</i> , 2020, 81, 1080-1089.	1.2	13
28	Graphene-induced enhanced anticorrosion performance of waterborne epoxy resin coating. <i>Frontiers of Materials Science</i> , 2020, 14, 211-220.	1.1	13
29	Iron-loaded Natural Clay as Heterogeneous Catalyst for Fenton-like Discoloration of Dyeing Wastewater. <i>Bulletin of the Korean Chemical Society</i> , 2009, 30, 2249-2252.	1.0	11
30	In situ anchor of magnetic Fe <sub>3</sub> O <sub>4</sub> nanoparticles onto natural maifanite as efficient heterogeneous Fenton-like catalyst. <i>Frontiers of Materials Science</i> , 2016, 10, 300-309.	1.1	10
31	Heterogeneous Fenton-like discoloration of methyl orange using Fe <sub>3</sub> O <sub>4</sub> /MWCNTs as catalyst: combination mechanism and affecting parameters. <i>Frontiers of Materials Science</i> , 2018, 12, 21-33.	1.1	10
32	Heterogeneous Fenton-like discoloration of organic dyes catalyzed by porous schorl ceramisite. <i>Water Science and Technology</i> , 2016, 74, 2417-2426.	1.2	7
33	The effect of Schorl on the photocatalytic properties of the TiO <sub>2</sub> /Schorl composite materials. <i>Results in Physics</i> , 2017, 7, 3645-3647.	2.0	7
34	Construction and photocatalytic properties of WS <sub>2</sub> /BiOCl heterojunction. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	0.8	7
35	Morphology dependent photocatalytic efficacy of zinc ferrite probed for methyl orange degradation. <i>Journal of the Serbian Chemical Society</i> , 2018, 83, 1261-1271.	0.4	7
36	Visible-light-driven peroxydisulfate activation by BiOI/g-C <sub>3</sub> N <sub>4</sub> heterojunction for high-concentration dyes degradation: A comprehensive study. <i>Journal of Materials Research</i> , 2022, 37, 2093-2107.	1.2	7

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37	Role of schorl's electrostatic field in discoloration of methyl orange wastewater using schorl as catalyst in the presence of H <sub>2</sub> O <sub>2</sub> . Science China Technological Sciences, 2010, 53, 3014-3019.	2.0	6
38	Melting purification process and refining effect of 5083 Al-Mg alloy. Transactions of Nonferrous Metals Society of China, 2014, 24, 1346-1351.	1.7	6
39	Enhanced Removal of Phenol from Aquatic Solution in a Schorl-catalyzed Fenton-like System by Acid-modified Schorl. Bulletin of the Korean Chemical Society, 2010, 31, 803-807.	1.0	6
40	Thermal shock resistance of porous ZrB <sub>2</sub> -SiC ceramic after oxidation. Advances in Applied Ceramics, 2020, 119, 15-21.	0.6	5
41	Construction and photocatalytic properties of the Zn doping on CdS. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	5
42	Photocatalytic mechanism of tourmaline/BiVO <sub>4</sub> composites with different ratios. Inorganic and Nano-Metal Chemistry, 2020, 50, 28-34.	0.9	4
43	Preparation and characterization of planar heterojunction perovskite solar cells based on c-TiO <sub>2</sub> /CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> /HTM/Ag structure. Journal of Sol-Gel Science and Technology, 2021, 100, 440-450.	1.1	4
44	Preparation and Evaluation of a Photo-Fenton Heterogeneous Catalyst: Spinel-Typed ZnFe <sub>2</sub> O <sub>4</sub> . Advanced Materials Research, 2012, 550-553, 329-335.	0.3	3
45	Microstructure of Strontium Barium Niobate/Strontium Barium Titanate Composite Ceramics by Powder-Sol Method. Journal of Inorganic and Organometallic Polymers and Materials, 2013, 23, 855-860.	1.9	2
46	The Dielectric Properties for Yttrium Doped SBT Thin Films Prepared by Sol-Gel Method. Integrated Ferroelectrics, 2014, 151, 14-20.	0.3	2
47	In situ anchor of BiOClO <sub>5</sub> Br <sub>0.5</sub> nanosheets onto schorl's surface to enhance photocatalytic performance. Materials Letters, 2021, 302, 130384.	1.3	2
48	Improved anticorrosive property of waterborne epoxy coating by ultrasonic blending with small amounts of polyaniline. Journal of the Iranian Chemical Society, 2022, 19, 2519-2526.	1.2	2
49	The photocatalytic properties and construction of a WS <sub>2</sub> /MoS <sub>2</sub> /CdS heterojunction. New Journal of Chemistry, 2022, 46, 6039-6045.	1.4	2
50	UV-Fenton Discoloration of Methyl Orange Using Fe <sub>3</sub> O <sub>4</sub> /MWCNTs as Heterogeneous Catalyst Obtained by an In Situ Strategy. Applied Mechanics and Materials, 2014, 618, 208-214.	0.2	1
51	Pyrolytic Synthesis of Bifunctional g-C <sub>3</sub> N <sub>4</sub> ; Derived from Melamine. Applied Mechanics and Materials, 0, 618, 215-219.	0.2	1
52	Degradation of Organic Dyes over Polymeric Photocatalyst C <sub>3</sub> N <sub>3</sub> S <sub>3</sub> . , 0, , .		1
53	Exploring the growth of MAPbI <sub>3</sub> under different preparation methods for mesoporous perovskite solar cells. Functional Materials Letters, 2022, 15, .	0.7	1
54	Decoloration of Methyl Orange by Mineral-Catalyzed Fenton-Like System of Natural Schorl and H <sub>2</sub> O <sub>2</sub> . Advanced Materials Research, 2010, 150-151, 1152-1157.	0.3	0

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55	Removal of Cadmium from aqueous solution by synthetic hydroxyapatite. , 2010, , .		0
56	Preparation and Photocatalytic Activity of Gold Nanoparticles (AuNPs)/ZnFe <sub>2</sub> O <sub>4</sub> . Applied Mechanics and Materials, 2014, 618, 198-202.	0.2	0
57	Survey of synthesis and application of Molybdenum Diselenide. , 0, , .		0