

# Dongxiang Zhang

## List of Publications by Year in descending order

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32  
papers

630  
citations

567281

15  
h-index

610901

24  
g-index

33  
all docs

33  
docs citations

33  
times ranked

705  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Amidoxime-Grafted Activated Carbon Fibers for Efficient Recovery of Uranium(VI) from Aqueous Solution. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 11936-11947.	3.7	77
2	Barbituric and thiobarbituric acid-based UiO-66-NH <sub>2</sub> adsorbents for iodine gas capture: Characterization, efficiency and mechanisms. <i>Journal of Hazardous Materials</i> , 2021, 416, 125835.	12.4	51
3	An overview on metal Oxide-based materials for iodine capture and storage. <i>Chemical Engineering Journal</i> , 2022, 431, 133816.	12.7	48
4	Reduced Graphene Oxide/ZIF-67 Aerogel Composite Material for Uranium Adsorption in Aqueous Solutions. <i>ACS Omega</i> , 2020, 5, 8012-8022.	3.5	43
5	Carbon cloth as an important electrode support for the high selective electrosorption of uranium from acidic uranium mine wastewater. <i>Separation and Purification Technology</i> , 2022, 281, 119843.	7.9	34
6	Soft Sensor Development Based on the Hierarchical Ensemble of Gaussian Process Regression Models for Nonlinear and Non-Gaussian Chemical Processes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 7704-7719.	3.7	31
7	Synthesis and characterization of amidoxime modified calix[8]arene for adsorption of U(VI) in low concentration uranium solutions. <i>RSC Advances</i> , 2016, 6, 101087-101097.	3.6	31
8	Calixarene-functionalized graphene oxide composites for adsorption of neodymium ions from the aqueous phase. <i>RSC Advances</i> , 2016, 6, 30384-30394.	3.6	31
9	Addition Reactions of Me <sub>3</sub> SiCN with Aldehydes Catalyzed by Aluminum Complexes Containing in their Coordination Sphere O, S, and N Ligands. <i>Chemistry - A European Journal</i> , 2016, 22, 6932-6938.	3.3	29
10	Monitoring of decolorization kinetics of Reactive Brilliant Blue X-BR by online spectrophotometric method in Fenton oxidation process. <i>Journal of Hazardous Materials</i> , 2008, 158, 445-453.	12.4	27
11	Rapid and selective uranium adsorption by glycine functionalized europium hydroxide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 556, 299-308.	4.7	24
12	Reactive extraction of europium(III) and neodymium(III) by carboxylic acid modified calixarene derivatives: Equilibrium, thermodynamics and kinetics. <i>Separation and Purification Technology</i> , 2017, 188, 250-259.	7.9	23
13	Application and Properties of CL <sub>20</sub> /HMX Cocrystal in Composite Modified Double Base Propellants. <i>Propellants, Explosives, Pyrotechnics</i> , 2020, 45, 92-100.	1.6	22
14	Bismuth-impregnated aluminum/copper oxide-pillared montmorillonite for efficient vapor iodine sorption. <i>Separation and Purification Technology</i> , 2021, 270, 118848.	7.9	20
15	Synthesis of a thiacalix[4]arenetetrasulfonate-functionalized reduced graphene oxide adsorbent for the removal of lead(II) and cadmium(II) from aqueous solutions. <i>RSC Advances</i> , 2016, 6, 113352-113365.	3.6	18
16	Sorption of metal ions from aqueous solution by sulfonated calix[4]arene intercalated with layered double hydroxide. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103021.	6.7	17
17	The catalytic effects of nano-Fe <sub>2</sub> O <sub>3</sub> and rGO@Fe <sub>2</sub> O <sub>3</sub> on the thermal decomposition properties of CL <sub>20</sub> /HMX cocrystals. <i>New Journal of Chemistry</i> , 2020, 44, 1858-1864.	2.8	15
18	A kinetic investigation on the thermal decomposition of propellants catalyzed by rGO/MFe <sub>2</sub> O <sub>4</sub> (M = Cu, Tj ET, O <sub>0</sub> 0 0 rgBT /Overlo	5.21	13

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19	Efficient electrosorption of uranyl ions by a homemade amidoxime-modified carbon paper-based electrode in acidic aqueous condition. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 2916-2929.	3.2	12
20	Tin sulfide and selenide clusters soluble in organic solvents with the core structures of $\text{Sn}_4\text{S}_6$ and $\text{Sn}_4\text{Se}_6$ . <i>Dalton Transactions</i> , 2015, 44, 19800-19804.	3.3	10
21	Emulsification for castor biomass oil. <i>Frontiers of Chemical Science and Engineering</i> , 2011, 5, 96-101.	4.4	9
22	Calixarene-functionalized graphene oxide composites fixed on glassy carbon electrodes for electrochemical detection. <i>RSC Advances</i> , 2016, 6, 91910-91920.	3.6	9
23	Preparation and photocatalytic kinetics of nano-ZnO powders by precipitation stripping process. <i>Frontiers of Chemical Engineering in China</i> , 2008, 2, 319-324.	0.6	8
24	Efficient extraction of Nd(III) by calix[4]arene derivatives containing diethyl phosphite. <i>Hydrometallurgy</i> , 2017, 169, 47-58.	4.3	8
25	Decolorizing kinetics of reactive black SRE by UV/TiO <sub>2</sub> . <i>Environmental Progress</i> , 2008, 27, 104-110.	0.7	6
26	Kinetics Study of a Complex Reaction: Nitration of Caged 2,6,8,12-Tetraacetyl-4,10-dinitro-2,4,6,8,10,12-hexaazaisowurtzitane. <i>Organic Process Research and Development</i> , 2016, 20, 1911-1916.	2.7	5
27	Intercalation of glycine into hydroxy double salt and its adsorption performance towards Uranium(VI). <i>Environmental Technology and Innovation</i> , 2019, 16, 100474.	6.1	5
28	N-Heterocyclic Carbene-facilitated Condensation of 3-Methylphenylboronic Acid to the Boroxine. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2013, 68, 453-457.	0.7	2
29	Virtual assembly of chemical equipment. , 2014, , .		0
30	The mechanism of interphase mass transfer reaction and precipitation process of HDEHP-TBP-Cu-CCl <sub>4</sub> /H <sub>2</sub> C <sub>2</sub> O <sub>4</sub> -H <sub>2</sub> O system. <i>Separation and Purification Technology</i> , 2014, 137, 116-126.	7.9	0
31	Optimizing LADRC Bubble Tower Control System Based on Differential Evolution Algorithm. , 2020, , .		0
32	PID Control of Iodine Molecules Containing Gas Generator Based on Differential Evolution Algorithm. , 2020, , .		0