Zongxue Yu

List of Publications by Year in Descending Order

65 papers	2,271 citations	26 h-index	47 g-index
71 ext. papers	2,967 ext. citations	5.1 avg, IF	5.56 L-index

#	Paper	IF	Citations
65	Co-intercalation of TiO2 and LDH to reduce graphene oxide photocatalytic composite membrane for purification of dye wastewater. *Applied Clay Science*, **2022**, 216, 106359	5.2	1
64	Preparation and anticorrosion properties of GO-Ce-MOF nanocomposite coatings. *Journal of Applied Polymer Science*, **2022**, 139, 51571	2.9	0
63	Superhydrophobic polyurethane sponge based on sepiolite for efficient oil/water separation.. *Journal of Hazardous Materials*, **2022**, 434, 128833	12.8	2
62	Chemically stable NH2-MIL-125(Ti)/Sep/PDA composite membranes with high-efficiency for oil/water emulsions separation. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2022**, 128899	5.1	2
61	Chitosan functionalized hexagonal boron nitride nanomaterial to enhance the anticorrosive performance of epoxy resin. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2022**, 645, 128941	5.1	0
60	Z-type ZnAl-LDO/Ag2S heterojunction activated peroxysulfate to degrade tetracycline hydrochloride under visible light efficiently. *Chemical Engineering Journal*, **2022**, 443, 136422	14.7	1
59	Using a simple method to prepare UiO-66-NH2/chitosan composite membranes for oil□water separation. *Journal of Applied Polymer Science*, **2021**, 138, 50765	2.9	5
58	A TiO2NW Bridged□composite photocatalyst Bi12O17Cl2□TiO2NW / Fe2TiO5 / Fe2O3 for water treatment driven by visible light. *Optical Materials*, **2021**, 117, 111176	3.3	1
57	3D MXene/Ag2S material as Schottky junction catalyst with stable and enhanced photocatalytic activity and photocorrosion resistance. *Separation and Purification Technology*, **2021**, 266, 118606	8.3	25
56	Preparation and anticorrosion properties of BTA@HNTs-GO nanocomposite smart coatings. *Composite Interfaces*, **2021**, 28, 1-16	2.3	9
55	Super hydrophilic composite membrane with photocatalytic degradation and self-cleaning ability based on LDH and g-C3N4. *Journal of Membrane Science*, **2021**, 617, 118504	9.6	27
54	A novel strategy for enhancing the performance of membranes for dyes separation: Embedding PAA@UiO-66-NH2 between graphene oxide sheets. *Chemical Engineering Journal*, **2021**, 403, 126281	14.7	48
53	Review MXenes as a new type of nanomaterial for environmental applications in the photocatalytic degradation of water pollutants. *Ceramics International*, **2021**, 47, 7321-7343	5.1	24
52	Fabrication of superhydrophobic layered double hydroxide composites to enhance the corrosion-resistant performances of epoxy coatings on Mg alloy. *Surface and Coatings Technology*, **2021**, 407, 126763	4.4	19
51	Application of sodium dodecyl sulfate intercalated CoAl LDH composite materials (RGO/PDA/SDS-LDH) in membrane separation. *Applied Clay Science*, **2021**, 209, 106138	5.2	5
50	Electrostatic self-assembly method to prepare intercalated graphene oxide composite membrane to improve hydrophilicity and flux. *Diamond and Related Materials*, **2021**, 117, 108492	3.5	5
49	Self-cleaning photocatalytic PVDF membrane loaded with NH2-MIL-88B/CDs and Graphene oxide for MB separation and degradation. *Optical Materials*, **2021**, 119, 111368	3.3	5

48	Superhydrophobic polyurethane sponges modified by sepiolite for efficient oil-water separation. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 627, 127175	5.1	6
47	Ti3C2 MXene/NH2-MIL-88B(Fe): Research on the adsorption kinetics and photocatalytic performance of an efficient integrated photocatalytic adsorbent. *Applied Surface Science*, **2021**, 570, 151244	6.7	11
46	NH2-MIL-125@PAA composite membrane for separation of oil/water emulsions and dyes. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 630, 127542	5.1	5
45	Preparation of a BTA□IO□O nanocomposite to endow coating systems with active inhibition and passive anticorrosion performances. *New Journal of Chemistry*, **2021**, 45, 16069-16082	3.6	2
44	Polydopamine intimate contacted two-dimensional/two-dimensional ultrathin nylon basement membrane supported RGO/PDA/MXene composite material for oil-water separation and dye removal. *Separation and Purification Technology*, **2020**, 247, 116945	8.3	53
43	Ag2CO3@UiO-66-NH2 embedding graphene oxide sheets photocatalytic membrane for enhancing the removal performance of Cr(VI) and dyes based on filtration. *Desalination*, **2020**, 491, 114558	10.3	37
42	A novel photocatalytic self-cleaning TiO2 nanorods inserted graphene oxide-based nanofiltration membrane. *Chemical Physics Letters*, **2020**, 749, 137424	2.5	28
41	Fabrication of BTA-MOF-TEOS-GO nanocomposite to endow coating systems with active inhibition and durable anticorrosion performances. *Progress in Organic Coatings*, **2020**, 143, 105629	4.8	20
40	Carbon nanodots anchored onto the metal-organic framework NH2-MIL-88B(Fe) as a novel visible light-driven photocatalyst: Photocatalytic performance and mechanism investigation. *Applied Surface Science*, **2020**, 505, 144616	6.7	37
39	A novel strategy to construct a visible-light-driven Z-scheme (ZnAl-LDH with active phase/g-CN) heterojunction catalyst via polydopamine bridge (a similar "bridge" structure). *Journal of Hazardous Materials*, **2020**, 386, 121650	12.8	38
38	High-performance composite photocatalytic membrane based on titanium dioxide nanowire/graphene oxide for water treatment. *Journal of Applied Polymer Science*, **2020**, 137, 48488	2.9	15
37	Self-assembling 2D/2D (MXene/LDH) materials achieve ultra-high adsorption of heavy metals Ni2+ through terminal group modification. *Separation and Purification Technology*, **2020**, 253, 117525	8.3	39
36	Inhibition performance of a multi-sites adsorption type corrosion inhibitor on P110 steel in acidic medium. *Chemical Physics Letters*, **2019**, 735, 136773	2.5	6
35	RGO/PDA/Bi12O17Cl2□iO2 composite membranes based on Bi12O17Cl2□iO2 heterojunctions with excellent photocatalytic activity for photocatalytic dyes degradation and oil□water separation. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 18246-18258	2.1	7
34	MgAl-Layered-Double-Hydroxide/Sepiolite Composite Membrane for High-Performance Water Treatment Based on Layer-by-Layer Hierarchical Architectures. *Polymers*, **2019**, 11,	4.5	14
33	One-step preparation of sepiolite/graphene oxide membrane for multifunctional oil-in-water emulsions separation. *Applied Clay Science*, **2019**, 181, 105208	5.2	17
32	Preparation of Ce-MOF@TEOS to enhance the anti-corrosion properties of epoxy coatings. *Progress in Organic Coatings*, **2019**, 135, 613-621	4.8	40
31	Environmentally friendly electrostatically driven self-assembled LDH/GO/PVDF composite membrane for water treatment. *Applied Clay Science*, **2019**, 183, 105322	5.2	24

30	Chitosan-coated filter paper with superhydrophilicity for treatment of oily wastewater in acidic and alkaline environments. *Materials Technology*, **2019**, 34, 213-223	2.1	11
29	A mussel-inspired method to fabricate a novel reduced graphene oxide/Bi12O17Cl2 composites membrane for catalytic degradation and oil/water separation. *Polymers for Advanced Technologies*, **2019**, 30, 101-109	3.2	15
28	A novel reduced graphene oxide-based composite membrane prepared via a facile deposition method for multifunctional applications: oil/water separation and cationic dyes removal. *Separation and Purification Technology*, **2018**, 200, 130-140	8.3	69
27	Synthesis of Ag□SiO2□APTES Nanocomposites by Blending Poly(Vinylidene Fluoride) Membrane with Potential Applications on Dye Wastewater Treatment. *Nano*, **2018**, 13, 1850034	1.1	8
26	Antibacterial photocatalytic self-cleaning poly(vinylidene fluoride) membrane for dye wastewater treatment. *Polymers for Advanced Technologies*, **2018**, 29, 254-262	3.2	14
25	The gelation of hydroxypropyl guar gum by nano-ZrO2. *Polymers for Advanced Technologies*, **2018**, 29, 587-593	3.2	7
24	A novel photocatalytic membrane decorated with RGO-Ag-TiO2 for dye degradation and oil□water emulsion separation. *Journal of Chemical Technology and Biotechnology*, **2018**, 93, 761-775	3.5	47
23	Hydrothermal method synthesis CuS/Ag2S microspheres with reduced graphene oxide sheet degrade the organic dye under visible-light irradiation. *Materials Technology*, **2018**, 33, 612-620	2.1	3
22	A novel antifouling and antibacterial surface-functionalized PVDF ultrafiltration membrane via binding Ag/SiO2 nanocomposites. *Journal of Chemical Technology and Biotechnology*, **2017**, 92, 562-572	3.5	45
21	Attached □-cyclodextrin/□(2,3-epoxypropoxy) propyl trimethoxysilane to graphene oxide and its application in copper removal. *Water Science and Technology*, **2017**, 75, 2403-2411	2.2	6
20	A Mussel-inspired method to fabricate reduced graphene oxide/g-C3N4 composites membranes for catalytic decomposition and oil-in-water emulsion separation. *Chemical Engineering Journal*, **2017**, 322, 33-45	14.7	171
19	Nature-Mimic Method To Fabricate Polydopamine/Graphitic Carbon Nitride for Enhancing Photocatalytic Degradation Performance. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 7840-7850	8.3	94
18	Enhancing the photocatalytic and antibacterial property of polyvinylidene fluoride membrane by blending Ag□TiO2 nanocomposites. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 3865-3874	2.1	26
17	A comparative DFT study of oxygen reduction reaction on mononuclear and binuclear cobalt and iron phthalocyanines. *Russian Journal of Physical Chemistry A*, **2016**, 90, 2413-2417	0.7	9
16	Covalent modification of graphene oxide by metronidazole for reinforced anti-corrosion properties of epoxy coatings. *RSC Advances*, **2016**, 6, 18217-18226	3.7	53
15	A facile one-pot method for preparation of the rGO□CuS/Cu2S with enhanced photocatalytic activity under visible light irradiation. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 5136-5144	2.1	12
14	Preparation of a Novel Poly(vinylidene fluoride) Ultrafiltration Membrane by Incorporation of 3-Aminopropyltriethoxysilane-Grafted Halloysite Nanotubes for Oil/Water Separation. *Industrial & Engineering Chemistry Research*, **2016**, 55, 1760-1767	3.9	44
13	Preparation and characterization of a novel PVDF ultrafiltration membrane by blending with TiO2-HNTs nanocomposites. *Applied Surface Science*, **2016**, 371, 624-632	6.7	61

12	Fabrication of silica-decorated graphene oxide nanohybrids and the properties of composite epoxy coatings research. *Applied Surface Science*, **2016**, 360, 936-945	6.7	106
11	Anchoring calcium carbonate on graphene oxide reinforced with anticorrosive properties of composite epoxy coatings. *Polymers for Advanced Technologies*, **2016**, 27, 915-921	3.2	25
10	Preparation of novel high copper ions removal membranes by embedding organosilane-functionalized multi-walled carbon nanotube. *Journal of Chemical Technology and Biotechnology*, **2016**, 91, 2322-2330	3.5	33
9	Novel polyvinylidene fluoride nanofiltration membrane blended with functionalized halloysite nanotubes for dye and heavy metal ions removal. *Journal of Hazardous Materials*, **2016**, 317, 60-72	12.8	215
8	Graphene oxide decorated with Fe3O4 nanoparticles with advanced anticorrosive properties of epoxy coatings. *Journal of the Taiwan Institute of Chemical Engineers*, **2016**, 64, 244-251	5.3	36
7	Corrosion-resistant hybrid coatings based on graphene oxide□irconia dioxide/epoxy system. *Journal of the Taiwan Institute of Chemical Engineers*, **2016**, 67, 511-520	5.3	68
6	Study on the catalytic effect of ErCrO3 nanoparticles on the thermal decomposition of ammonia perchlorate. *Russian Journal of Applied Chemistry*, **2015**, 88, 687-692	0.8	2
5	Preparation of graphene oxide modified by titanium dioxide to enhance the anti-corrosion performance of epoxy coatings. *Surface and Coatings Technology*, **2015**, 276, 471-478	4.4	193
4	Fabrication of graphene oxide□lumina hybrids to reinforce the anti-corrosion performance of composite epoxy coatings. *Applied Surface Science*, **2015**, 351, 986-996	6.7	228
3	Effect of functionalized multi-walled carbon nanotubes on the microstructure and performances of PVDF membranes. *RSC Advances*, **2015**, 5, 75998-76006	3.7	21
2	Preparation of a novel anti-fouling □yclodextrin□PVDF membrane. *RSC Advances*, **2015**, 5, 51364-51370	3.7	37
1	Preparation of NdCrO3 nanoparticles and their catalytic activity in the thermal decomposition of ammonium perchlorate by DSC/TG-MS. *Journal of Thermal Analysis and Calorimetry*, **2009**, 97, 903-909	4.1	32