

Jiadong Liu

List of Publications by Year in descending order

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49
papers

1,676
citations

331538

21
h-index

289141

40
g-index

50
all docs

50
docs citations

50
times ranked

1657
citing authors

#	ARTICLE	IF	CITATIONS
1	Synergistic mechanism of Cu-Mn-Ce oxides in mesoporous ceramic base catalyst for VOCs microwave catalytic combustion. <i>Chemical Engineering Journal</i> , 2022, 429, 132302.	6.6	56
2	Synergistic degradation of organic pollutants by poly (3,4-ethylenedioxythiophene) based photo-electrocatalysis. <i>Journal of Water Process Engineering</i> , 2022, 45, 102494.	2.6	5
3	Photoelectrocatalytic mechanism of PEDOT modified filtration membrane. <i>Science of the Total Environment</i> , 2022, 813, 152397.	3.9	5
4	Cu-Mn-CeOx loaded ceramic catalyst for non-thermal sterilization and microwave thermal catalysis of VOCs degradation. <i>Chemical Engineering Journal</i> , 2022, 442, 136288.	6.6	18
5	The stability of poly (3, 4-ethylenedioxythiophene) based on electrochemical polymerization and photoelectro-corrosion conditions. <i>Polymer Degradation and Stability</i> , 2022, 198, 109881.	2.7	1
6	Landfill leachate treatment in-depth by bio-chemical strategy: microbial activation and catalytic ozonation mechanism. <i>Chemical Engineering Journal</i> , 2022, 444, 136464.	6.6	19
7	Phosphate substances transformation and vivianite formation in P-Fe containing sludge during the transition process of aerobic and anaerobic conditions. <i>Bioresource Technology</i> , 2021, 319, 124259.	4.8	19
8	Organic photoelectrocatalytic filtration membrane originated from PEDOT modified PVDF. <i>Chemical Engineering Journal</i> , 2021, 405, 126954.	6.6	12
9	Anaerobic offsite Fe ²⁺ releasing for electrocoagulation in ABMBR: Membrane fouling mitigation, nutrients removal and anodes protection. <i>Journal of Water Process Engineering</i> , 2021, 39, 101706.	2.6	5
10	The filtration and degradation mechanism of toluene via microwave thermo-catalysis ceramic membrane. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105105.	3.3	8
11	PEDOT surface modified PVDF filtration membrane for conductive membrane preparation and fouling mitigation. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105212.	3.3	13
12	Ozone direct oxidation pretreatment and catalytic oxidation post-treatment coupled with ABMBR for landfill leachate treatment. <i>Science of the Total Environment</i> , 2021, 794, 148557.	3.9	33
13	Insights into the influence and mechanism for the protogenetic N, P and Fe containing biochar on peroxymonosulfate activation. <i>Journal of Cleaner Production</i> , 2021, 328, 129642.	4.6	15
14	Assemble a new functional PEDOT-ZIS electrode for sustainable and efficient treatment of wastewater in photoelectrocatalytic system. <i>Journal of Water Process Engineering</i> , 2020, 37, 101513.	2.6	6
15	Functional photoelectrocatalytic membrane fabricated from ZnIn ₂ S ₄ , PVDF and carbon fibre for continuous removal of tetracycline. <i>Journal of Solid State Chemistry</i> , 2020, 290, 121525.	1.4	21
16	Effect of electrocoagulation on MBR under different power supply conditions. <i>Biochemical Engineering Journal</i> , 2019, 152, 107371.	1.8	8
17	Poly (3, 4-ethylenedioxythiophene) modified polyvinylidene fluoride membrane for visible photoelectrocatalysis and filtration. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 220-227.	5.0	21
18	The photoelectrocatalytic performance of ZnIn ₂ S ₄ nanosheets and microspheres grown on flexible graphite felt. <i>Journal of Electroanalytical Chemistry</i> , 2019, 845, 144-153.	1.9	5

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19	PEDOT:PSS decorated ZnIn ₂ S ₄ for reduced recombination of photogenerated electron-hole pairs. <i>Materials Letters</i> , 2018, 224, 64-66.	1.3	12
20	The degradation of methyl orange and membrane fouling behavior in anaerobic baffled membrane bioreactor. <i>Chemical Engineering Journal</i> , 2018, 338, 719-725.	6.6	55
21	Polypyrrole vapor phase polymerization on PVDF membrane surface for conductive membrane preparation and fouling mitigation. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 683-689.	1.6	20
22	Streaming potential for identification of foulants adsorption on PVDF membrane surface. <i>Journal of Membrane Science</i> , 2018, 566, 428-434.	4.1	25
23	Continuous removal of tetracycline in a photocatalytic membrane reactor (PMR) with ZnIn ₂ S ₄ as adsorption and photocatalytic coating layer on PVDF membrane. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 364, 732-739.	2.0	31
24	Photocatalytic oxidation of trace carbamazepine in aqueous solution by visible-light-driven ZnIn ₂ S ₄ : Performance and mechanism. <i>Journal of Environmental Management</i> , 2017, 190, 259-265.	3.8	54
25	Polypyrrole blending modification for PVDF conductive membrane preparing and fouling mitigation. <i>Journal of Colloid and Interface Science</i> , 2017, 494, 124-129.	5.0	53
26	Photocatalytic Oxidation of Gaseous Toluene by Visible-Light-Driven CoCuMnO _x : Performance and Mechanism. <i>Catalysis Letters</i> , 2017, 147, 1623-1630.	1.4	6
27	Polypyrrole/ZnIn ₂ S ₄ composite photocatalyst for enhanced mineralization of chloramphenicol under visible light. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 349, 115-123.	2.0	36
28	The brewery wastewater treatment and membrane fouling mitigation strategies in anaerobic baffled anaerobic/aerobic membrane bioreactor. <i>Biochemical Engineering Journal</i> , 2017, 127, 53-59.	1.8	22
29	Ammonium persulphate as novel additive for filtration performance improvement of PVDF microporous membrane. <i>Separation and Purification Technology</i> , 2016, 165, 78-85.	3.9	6
30	Identification of intermediates and transformation pathways derived from photocatalytic degradation of five antibiotics on ZnIn ₂ S ₄ . <i>Chemical Engineering Journal</i> , 2016, 304, 826-840.	6.6	121
31	Membrane fouling behavior in anaerobic baffled membrane bioreactor under static operating condition. <i>Bioresource Technology</i> , 2016, 214, 582-588.	4.8	16
32	The tubular MFC with carbon tube air-cathode for power generation and <i>N,N</i> -dimethylacetamide treatment. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 762-767.	1.2	7
33	Hydraulic power and electric field combined antifouling effect of a novel conductive poly(aminoanthraquinone)/reduced graphene oxide nanohybrid blended PVDF ultrafiltration membrane. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20277-20287.	5.2	68
34	PVDF layer as a separator on the solution-side of air-cathodes: the electricity generation, fouling and regeneration. <i>RSC Advances</i> , 2015, 5, 52361-52368.	1.7	13
35	PPy/AQS (9, 10-anthraquinone-2-sulfonic acid) and PPy/ARS (Alizarin Red's) modified stainless steel mesh as cathode membrane in an integrated MBR/MFC system. <i>Desalination</i> , 2014, 349, 94-101.	4.0	34
36	Integration of microbial fuel cell with independent membrane cathode bioreactor for power generation, membrane fouling mitigation and wastewater treatment. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 17865-17872.	3.8	52

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37	Photocatalytic degradation of 2,4,6-tribromophenol on Fe ₂ O ₃ or FeOOH doped ZnIn ₂ S ₄ heterostructure: Insight into degradation mechanism. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 929-939.	10.8	51
38	A photo-catalysis and rotating nano-CaCO ₃ dynamic membrane system with Fe-ZnIn ₂ S ₄ efficiently removes halogenated compounds in water. <i>Applied Catalysis B: Environmental</i> , 2013, 138-139, 62-69.	10.8	26
39	Conductive and hydrophilic polypyrrole modified membrane cathodes and fouling reduction in MBR. <i>Journal of Membrane Science</i> , 2013, 429, 252-258.	4.1	61
40	Integration of bio-electrochemical cell in membrane bioreactor for membrane cathode fouling reduction through electricity generation. <i>Journal of Membrane Science</i> , 2013, 430, 196-202.	4.1	99
41	Preparation of highly conductive cathodic membrane with graphene (oxide)/PPy and the membrane antifouling property in filtrating yeast suspensions in EMBR. <i>Journal of Membrane Science</i> , 2013, 437, 99-107.	4.1	99
42	Photocatalytic degradation of 2,4,6-tribromophenol over Fe-doped ZnIn ₂ S ₄ : Stable activity and enhanced debromination. <i>Applied Catalysis B: Environmental</i> , 2013, 129, 89-97.	10.8	108
43	A fluorescence spectroscopy study of traditional Chinese medicine Angelica. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2013, 115, 530-536.	0.2	2
44	Cathode membrane fouling reduction and sludge property in membrane bioreactor integrating electrocoagulation and electrostatic repulsion. <i>Separation and Purification Technology</i> , 2012, 100, 44-50.	3.9	57
45	Rotating a helical membrane for turbulence enhancement and fouling reduction. <i>Chemical Engineering Journal</i> , 2012, 181-182, 486-493.	6.6	20
46	Minute electric field reduced membrane fouling and improved performance of membrane bioreactor. <i>Separation and Purification Technology</i> , 2012, 86, 106-112.	3.9	124
47	Fouling reductions in a membrane bioreactor using an intermittent electric field and cathodic membrane modified by vapor phase polymerized pyrrole. <i>Journal of Membrane Science</i> , 2012, 394-395, 202-208.	4.1	103
48	Direct current stimulation of <i>Thiobacillus ferrooxidans</i> bacterial metabolism in a bioelectrical reactor without cation-specific membrane. <i>Bioresource Technology</i> , 2010, 101, 6035-6038.	4.8	21
49	The competitive adsorption of pharmaceuticals on granular activated carbon in secondary effluent. <i>Desalination and Water Treatment</i> , 0, , 1-7.	1.0	3