

Jiaxin Guo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/442646/publications.pdf>

Version: 2024-02-01

38
papers

2,211
citations

236612

25
h-index

329751

37
g-index

40
all docs

40
docs citations

40
times ranked

2141
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of fouling mechanism in membrane distillation using in-situ optical coherence tomography with green regeneration of fouled membrane. <i>Journal of Membrane Science</i> , 2022, 641, 119894.	4.1	11
2	Superhydrophobic and superoleophilic PH-CNT membrane for emulsified oil-water separation. <i>Desalination</i> , 2022, 526, 115536.	4.0	39
3	Biodegradable magnesium implant enhances angiogenesis and alleviates medication-related osteonecrosis of the jaw in rats. <i>Journal of Orthopaedic Translation</i> , 2022, 33, 153-161.	1.9	19
4	Noninvasive Real-Time Monitoring of Wetting Progression in Membrane Distillation Using Impedance Spectroscopy. <i>Environmental Science & Technology</i> , 2022, 56, 535-545.	4.6	22
5	Amino-embedded carbon quantum dots incorporated thin-film nanocomposite membrane for desalination by pervaporation. <i>Desalination</i> , 2022, 533, 115742.	4.0	11
6	Transforming Ti3C2Tx MXene's intrinsic hydrophilicity into superhydrophobicity for efficient photothermal membrane desalination. <i>Nature Communications</i> , 2022, 13, .	5.8	65
7	PAA@ZIF-8 incorporated nanofibrous membrane for high-efficiency PM2.5 capture. <i>Chemical Engineering Journal</i> , 2021, 405, 126584.	6.6	50
8	Self-Assembled Hydrophobic/Hydrophilic Porphyrin-Ti ₃ C ₂ T _x MXene Janus Membrane for Dual-Functional Enabled Photothermal Desalination. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3762-3770.	4.0	82
9	Biomaterials developed for facilitating healing outcome after anterior cruciate ligament reconstruction: Efficacy, surgical protocols, and assessments using preclinical animal models. <i>Biomaterials</i> , 2021, 269, 120625.	5.7	16
10	BioContainers Registry: Searching Bioinformatics and Proteomics Tools, Packages, and Containers. <i>Journal of Proteome Research</i> , 2021, 20, 2056-2061.	1.8	19
11	A Conductive Hydrophobic Polyaniline Sandwiched Polyvinylidene Fluoride Membrane for Early Detection of Surfactant-Induced Wetting in Membrane Distillation Using Impedance. <i>ACS Applied Polymer Materials</i> , 2021, 3, 679-690.	2.0	17
12	Robust dual-layered omniphobic electrospun membrane with anti-wetting and anti-scaling functionalised for membrane distillation application. <i>Journal of Membrane Science</i> , 2021, 624, 119089.	4.1	52
13	Nanoparticle-Cartilage Interaction: Pathology-Based Intra-articular Drug Delivery for Osteoarthritis Therapy. <i>Nano-Micro Letters</i> , 2021, 13, 149.	14.4	42
14	In-situ 3D fouling visualization of membrane distillation treating industrial textile wastewater by optical coherence tomography imaging. <i>Water Research</i> , 2021, 205, 117668.	5.3	14
15	Fabrication of robust green superhydrophobic hybrid nanofiber-nanosphere membrane for membrane distillation. <i>Desalination</i> , 2021, 520, 115314.	4.0	21
16	Elucidating the fouling mechanism in pharmaceutical wastewater treatment by membrane distillation. <i>Desalination</i> , 2020, 475, 114148.	4.0	42
17	Superhydrophobic membrane by hierarchically structured PDMS-POSS electro spray coating with cauliflower-shaped beads for enhanced MD performance. <i>Journal of Membrane Science</i> , 2020, 597, 117638.	4.1	44
18	Molecular engineering low-surface energy membranes by grafting perfluoro- <i>tert</i> -butoxy chains containing fluororous silica aerogels. <i>Green Chemistry</i> , 2020, 22, 3283-3295.	4.6	17

#	ARTICLE	IF	CITATIONS
19	Superhydrophobic (polyvinylidene fluoride-co-hexafluoropropylene)/ (polystyrene) composite membrane via a novel hybrid electrospin-electrospray process. <i>Journal of Membrane Science</i> , 2020, 611, 118360.	4.1	37
20	High-performance nanofiltration membrane structured with enhanced stripe nano-morphology. <i>Journal of Membrane Science</i> , 2020, 600, 117852.	4.1	57
21	Emerging investigator series: control of membrane fouling by dissolved algal organic matter using pre-oxidation with coagulation as seawater pretreatment. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 935-944.	1.2	17
22	Omniphobic re-entrant PVDF membrane with ZnO nanoparticles composite for desalination of low surface tension oily seawater. <i>Water Research</i> , 2019, 165, 114982.	5.3	95
23	Enhanced ammonia recovery from wastewater by Nafion membrane with highly porous honeycomb nanostructure and its mechanism in membrane distillation. <i>Journal of Membrane Science</i> , 2019, 590, 117265.	4.1	40
24	Regeneration of superhydrophobic TiO ₂ electrospun membranes in seawater desalination by water flushing in membrane distillation. <i>Desalination</i> , 2019, 468, 114054.	4.0	63
25	Self-cleaning BiOBr/Ag photocatalytic membrane for membrane regeneration under visible light in membrane distillation. <i>Chemical Engineering Journal</i> , 2019, 378, 122137.	6.6	50
26	Electrospun Nanofiber Membranes Incorporating PDMS-Aerogel Superhydrophobic Coating with Enhanced Flux and Improved Antiwettability in Membrane Distillation. <i>Environmental Science & Technology</i> , 2019, 53, 4948-4958.	4.6	103
27	Electrospun Nanofiber Membranes for Membrane Distillation. , 2019, , 107-140.		1
28	Fouling behavior of negatively charged PVDF membrane in membrane distillation for removal of antibiotics from wastewater. <i>Journal of Membrane Science</i> , 2018, 551, 12-19.	4.1	106
29	Bacterial inactivation and in situ monitoring of biofilm development on graphene oxide membrane using optical coherence tomography. <i>Journal of Membrane Science</i> , 2018, 564, 22-34.	4.1	36
30	Optimization of acid pretreatment and enzymatic hydrolysis on the production of ethanol fuel from waste banana peels. <i>Energy and Environment</i> , 2018, 29, 1354-1364.	2.7	12
31	Enhanced vapor transport in membrane distillation via functionalized carbon nanotubes anchored into electrospun nanofibres. <i>Scientific Reports</i> , 2017, 7, 41562.	1.6	97
32	CNTs reinforced super-hydrophobic-oleophilic electrospun polystyrene oil sorbent for enhanced sorption capacity and reusability. <i>Chemical Engineering Journal</i> , 2017, 314, 526-536.	6.6	97
33	Theoretical modeling and experimental validation of transport and separation properties of carbon nanotube electrospun membrane distillation. <i>Journal of Membrane Science</i> , 2017, 526, 395-408.	4.1	79
34	Engineering the Re-Entrant Hierarchy and Surface Energy of PDMS-PVDF Membrane for Membrane Distillation Using a Facile and Benign Microsphere Coating. <i>Environmental Science & Technology</i> , 2017, 51, 10117-10126.	4.6	114
35	PDMS/PVDF hybrid electrospun membrane with superhydrophobic property and drop impact dynamics for dyeing wastewater treatment using membrane distillation. <i>Journal of Membrane Science</i> , 2017, 525, 57-67.	4.1	310
36	Multilayer Dye Adsorption in Activated Carbonsâ€™ Facile Approach to Exploit Vacant Sites and Interlayer Charge Interaction. <i>Environmental Science & Technology</i> , 2016, 50, 5041-5049.	4.6	81

#	ARTICLE	IF	CITATIONS
37	High flux and antifouling properties of negatively charged membrane for dyeing wastewater treatment by membrane distillation. <i>Water Research</i> , 2016, 103, 362-371.	5.3	193
38	Sustainable development of tyre char-based activated carbons with different textural properties for value-added applications. <i>Journal of Environmental Management</i> , 2016, 170, 1-7.	3.8	33