

Jaewon Jang

List of Publications by Year in descending order

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papers

879
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623188

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#	ARTICLE	IF	CITATIONS
1	PIP/TMC Interfacial Polymerization with Electrospray: Novel Loose Nanofiltration Membrane for Dye Wastewater Treatment. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 36148-36158.	4.0	130
2	Sulfonated graphene oxide incorporated thin film nanocomposite nanofiltration membrane to enhance permeation and antifouling properties. <i>Desalination</i> , 2019, 470, 114125.	4.0	127
3	Novel sulfonated graphene oxide incorporated polysulfone nanocomposite membranes for enhanced-performance in ultrafiltration process. <i>Chemosphere</i> , 2018, 207, 581-589.	4.2	109
4	Solid-state synthesis of Ti ₂ Nb ₁₀ O ₂₉ /reduced graphene oxide composites with enhanced lithium storage capability. <i>Journal of Power Sources</i> , 2015, 300, 272-278.	4.0	90
5	Developments and future prospects of reverse electrodialysis for salinity gradient power generation: Influence of ion exchange membranes and electrodes. <i>Desalination</i> , 2020, 491, 114540.	4.0	75
6	Graphene oxide nanocomposite membrane cooperatively cross-linked by monomer and polymer overcoming the trade-off between flux and rejection in forward osmosis. <i>Journal of Membrane Science</i> , 2020, 598, 117684.	4.1	48
7	Sub-10-nm Co ₃ O ₄ nanoparticles/graphene composites as high-performance anodes for lithium storage. <i>Chemical Engineering Journal</i> , 2017, 309, 15-21.	6.6	33
8	Au@TiO ₂ /reduced graphene oxide nanocomposites for lithium-ion capacitors. <i>Chemical Engineering Journal</i> , 2019, 362, 136-143.	6.6	32
9	Cerium vanadate and reduced graphene oxide composites for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2017, 724, 1075-1082.	2.8	27
10	Ti ₃ C ₂ TX-Ethylenediamine nanofiltration membrane for high rejection of heavy metals. <i>Chemical Engineering Journal</i> , 2022, 437, 135297.	6.6	24
11	Solution-processed highly adhesive graphene coatings for corrosion inhibition of metals. <i>Nano Research</i> , 2019, 12, 19-23.	5.8	23
12	Effect of Spacer Configuration on the Characteristics of FO Membranes: Alteration of Permeation Characteristics by Membrane Deformation and Concentration Polarization. <i>Environmental Science & Technology</i> , 2020, 54, 6385-6395.	4.6	21
13	Dye adsorptive thin-film composite membrane with magnetite decorated sulfonated graphene oxide for efficient dye/salt mixture separation. <i>Desalination</i> , 2022, 524, 115462.	4.0	20
14	Antiviral Nanomaterials for Designing Mixed Matrix Membranes. <i>Membranes</i> , 2021, 11, 458.	1.4	16
15	Chemically Driven, Water-Soluble Composites of Carbon Nanotubes and Silver Nanoparticles as Stretchable Conductors. <i>ACS Macro Letters</i> , 2015, 4, 769-773.	2.3	14
16	Chemically Prelithiated Graphene for Anodes of Li-Ion Batteries. <i>Energy & Fuels</i> , 2020, 34, 13048-13055.	2.5	14
17	Copper-graphene heterostructure for back-end-of-line compatible high-performance interconnects. <i>Npj 2D Materials and Applications</i> , 2021, 5, .	3.9	13
18	Concrete-structured Nafion@MXene/Cellulose acetate cation exchange membrane for reverse electrodialysis. <i>Journal of Membrane Science</i> , 2022, 646, 120239.	4.1	10

#	ARTICLE	IF	CITATIONS
19	Recent Progress in One- and Two-Dimensional Nanomaterial-Based Electro-Responsive Membranes: Versatile and Smart Applications from Fouling Mitigation to Tuning Mass Transport. <i>Membranes</i> , 2021, 11, 5.	1.4	9
20	Low-Power Complementary Logic Circuit Using Polymer-Electrolyte-Gated Graphene Switching Devices. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 47247-47252.	4.0	8
21	Effect of size fractioned alginate-based transparent exopolymer particles on initial bacterial adhesion of forward osmosis membrane support layer. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 94, 408-418.	2.9	8
22	Green Synthesis of a Reducedâ€Grapheneâ€Oxide Wrapped Nickel Oxide Nanoâ€Composite as an Anode For Highâ€Performance Lithiumâ€Ion Batteries. <i>ChemistrySelect</i> , 2022, 7, .	0.7	6
23	MoS2-Cysteine Nanofiltration Membrane for Lead Removal. <i>ChemEngineering</i> , 2021, 5, 41.	1.0	5
24	Enhancing the Dye-Rejection Efficiencies and Stability of Graphene Oxide-Based Nanofiltration Membranes via Divalent Cation Intercalation and Mild Reduction. <i>Membranes</i> , 2022, 12, 402.	1.4	5
25	Large-Area Bernal-Stacked Bilayer Graphene Film on a Uniformly Rough Cu Surface via Chemical Vapor Deposition. <i>ACS Applied Electronic Materials</i> , 2021, 3, 2497-2503.	2.0	4
26	Electrospray interfacial polymerization for a loose NF membrane: super-selective dye separation in saline dye wastewater treatment. <i>Environmental Science: Nano</i> , 2021, 8, 3282-3293.	2.2	4
27	Ion Exchange Membrane for Reverse Electrodialysis. <i>Academic Journal of Polymer Science</i> , 2021, 5, .	0.2	2
28	An improved perm-selectivity prediction of forward osmosis membrane by incorporating the effect of the surface charge on the solute partitioning. <i>Journal of Membrane Science</i> , 2021, 629, 119303.	4.1	1
29	Fabrication of Large-Area Molybdenum Disulfide Device Arrays Using Graphene/Ti Contacts. <i>Molecules</i> , 2021, 26, 4394.	1.7	1
30	Structural Engineering Perspective for a Novel Ion Exchange Membrane. <i>Academic Journal of Polymer Science</i> , 2021, 5, .	0.2	0
31	Binder-Free Pastes Fabricated from Solâ€Gel-Derived TiO₂ by Ammonia Addition for Low-Temperature Photoelectrodes. <i>Science of Advanced Materials</i> , 2014, 6, 2496-2500.	0.1	0
32	Improved pressure drop and silica rejection of polydopamine-coated polypropylene filter media. , 0, 183, 114-120.		0