

# Parashuram Kallem

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

719  
citations

516215

16  
h-index

580395

25  
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25  
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docs citations

25  
times ranked

736  
citing authors

#	ARTICLE	IF	CITATIONS
1	Capillary effect in Janus electrospun nanofiber membrane for oil/water emulsion separation. <i>Chemosphere</i> , 2019, 221, 479-485.	4.2	81
2	Nanofiber-Based Proton Exchange Membranes: Development of Aligned Electrospun Nanofibers for Polymer Electrolyte Fuel Cell Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1808-1825.	3.2	72
3	A New era of water treatment technologies: 3D printing for membranes. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 91, 1-14.	2.9	67
4	Preparation of polysulfone-polyamide thin film composite hollow fiber nanofiltration membranes and their performance in the treatment of aqueous dye solutions. <i>Desalination</i> , 2012, 304, 11-19.	4.0	59
5	Fabrication of novel polyethersulfone (PES) hybrid ultrafiltration membranes with superior permeability and antifouling properties using environmentally friendly sulfonated functionalized polydopamine nanofillers. <i>Separation and Purification Technology</i> , 2021, 261, 118311.	3.9	58
6	Improved permeability and antifouling performance of polyethersulfone ultrafiltration membranes tailored by hydroxyapatite/boron nitride nanocomposites. <i>Chemosphere</i> , 2021, 268, 129306.	4.2	46
7	Polyethersulfone hybrid ultrafiltration membranes fabricated with polydopamine modified ZnFe <sub>2</sub> O <sub>4</sub> nanocomposites: Applications in humic acid removal and oil/water emulsion separation. <i>Chemical Engineering Research and Design</i> , 2021, 148, 813-824.	2.7	44
8	Constructing Straight Polyionic Liquid Microchannels for Fast Anhydrous Proton Transport. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 35377-35389.	4.0	29
9	High performance nanofiber-supported thin film composite forward osmosis membranes based on continuous thermal-rolling pretreated electrospun PES/PAN blend substrates. <i>Chemosphere</i> , 2020, 261, 127687.	4.2	26
10	Hierarchical Porous Polybenzimidazole Microsieves: An Efficient Architecture for Anhydrous Proton Transport via Polyionic Liquids. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 14844-14857.	4.0	24
11	Enhanced water permeability and fouling resistance properties of ultrafiltration membranes incorporated with hydroxyapatite decorated orange-peel-derived activated carbon nanocomposites. <i>Chemosphere</i> , 2022, 286, 131799.	4.2	24
12	Fabrication of Pd/MnFe <sub>2</sub> O <sub>4</sub> bifunctional 2-D nanosheets to enhance the yield of HCOOH from CO <sub>2</sub> cathodic reduction paired with anodic oxidation to CH <sub>3</sub> OH. <i>Fuel</i> , 2022, 311, 122619.	3.4	22
13	Two-dimensional MOF-based liquid marbles: surface energy calculations and efficient oil-water separation using a ZIF-9-III@PVDF membrane. <i>Journal of Materials Chemistry A</i> , 2021, 9, 23651-23659.	5.2	20
14	Highly permeable, environmentally-friendly, antifouling polylactic acid-hydroxyapatite/polydopamine (PLA-HAp/PDA) ultrafiltration membranes. <i>Journal of Cleaner Production</i> , 2022, 330, 129871.	4.6	20
15	Investigating the effect of various foulants on the performance of intrinsically superhydrophobic polyvinylidene fluoride membranes for direct contact membrane distillation. <i>Separation and Purification Technology</i> , 2020, 252, 117416.	3.9	17
16	Enhanced water flux and bacterial resistance in cellulose acetate membranes with quaternary ammoniumpropylated polysilsesquioxane. <i>Chemosphere</i> , 2022, 289, 133144.	4.2	17
17	Bimetallic nitrogen-doped porous graphene for highly efficient magnetic solid phase extraction of 5-nitroimidazoles in environmental water. <i>Analytica Chimica Acta</i> , 2022, 1203, 339698.	2.6	17
18	Thin film composite forward osmosis membranes based on thermally treated PAN hydrophilized PVDF electrospun nanofiber substrates for improved performance. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106240.	3.3	15

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19	High-performance thin-film composite forward osmosis membranes with hydrophilic PDA@TiO <sub>2</sub> nanocomposite substrate for the treatment of oily wastewater under PRO mode. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107454.	3.3	14
20	Cross-linked laminar graphene oxide membranes for wastewater treatment and desalination: A review. <i>Journal of Environmental Management</i> , 2022, 317, 115367.	3.8	14
21	Structure and performance of nanofiltration membrane prepared in a large-scale at CSIR-CSMCRI using indigenous coating unit. <i>Desalination</i> , 2012, 288, 8-15.	4.0	11
22	Structure-performance-fouling studies of polysulfone microfiltration hollow fibre membranes. <i>Bulletin of Materials Science</i> , 2012, 35, 817-822.	0.8	9
23	Exploring the Gas-Permeation Properties of Proton-Conducting Membranes Based on Protic Imidazolium Ionic Liquids: Application in Natural Gas Processing. <i>Membranes</i> , 2018, 8, 75.	1.4	6
24	RO membrane treatment of domestic grey-water containing different detergent types. <i>Desalination and Water Treatment</i> , 2014, 52, 4071-4078.	1.0	5
25	Preparation and surface modification of hollow fibre membranes for drinking water disinfection and water reclamation. <i>International Journal of Nuclear Desalination</i> , 2010, 4, 149.	0.2	2