

# Ashok M Sajjan

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

748  
citations

567144

15  
h-index

642610

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

625  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of injection timing and duration on the performance of diesel engine fueled with port injection of oxygenated fuels. <i>Chemical Engineering Communications</i> , 2023, 210, 1060-1072.	1.5	16
2	Bio-based material from fruit waste of orange peel for industrial applications. <i>Journal of Materials Research and Technology</i> , 2022, 17, 3186-3197.	2.6	38
3	Fabrication and Characterization of Poly(vinyl alcohol)-chitosan-capped Silver Nanoparticle Hybrid Membranes for Pervaporation Dehydration of Ethanol. <i>Gels</i> , 2022, 8, 401.	2.1	3
4	Fabrication and Physicochemical Study of B2SA-Grafted Poly(vinyl Alcohol)-Graphene Hybrid Membranes for Dehydration of Bioethanol by Pervaporation. <i>Membranes</i> , 2021, 11, 110.	1.4	9
5	Studies on Hybrid Bio-Nanocomposites for Structural Applications. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 6461-6480.	1.2	14
6	Clean combustion and emissions strategy using reactivity controlled compression ignition (RCCI) mode engine powered with CNG-Karanja biodiesel. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 124, 116-131.	2.7	102
7	Development and Characterization of Biocompatible Membranes from Natural Chitosan and Gelatin for Pervaporative Separation of Water-Isopropanol Mixture. <i>Polymers</i> , 2021, 13, 2868.	2.0	9
8	Experimental studies on performance and emission characteristics of reactivity controlled compression ignition (RCCI) engine operated with gasoline and Thevetia Peruviana biodiesel. <i>Renewable Energy</i> , 2020, 160, 865-875.	4.3	46
9	Novel fabrication of PSSAMA_Na capped silver nanoparticle embedded sodium alginate membranes for pervaporative dehydration of bioethanol. <i>RSC Advances</i> , 2020, 10, 22645-22655.	1.7	12
10	Preparation and characterization of PVA-Ge/PEG-400 biodegradable plastic blend films for packaging applications. <i>Chemical Data Collections</i> , 2020, 26, 100338.	1.1	42
11	Influence of hydrogen enriched producer gas (HPG) on the combustion characteristics of a CRDI diesel engine operated on dual-fuel mode using renewable and sustainable fuels. <i>Fuel</i> , 2020, 270, 117575.	3.4	29
12	Preparation and characterization of B2SA grafted hybrid poly(vinyl alcohol) membranes for pervaporation separation of water-isopropanol mixtures. <i>Chemical Data Collections</i> , 2019, 22, 100245.	1.1	13
13	Synthesis and characterization of polyelectrolyte complex membranes for the pervaporation separation of water-isopropanol mixtures using sodium alginate and gelatin. <i>Polymer Bulletin</i> , 2018, 75, 851-875.	1.7	17
14	Development and characterization of silicon carbide incorporated graphene amine-based polymer nanocomposites for structural applications. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 376, 012073.	0.3	4
15	Preparation of polymer electrolyte hydrogels using poly(vinyl alcohol) and tetraethylorthosilicate for battery applications. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 376, 012078.	0.3	0
16	Development of pervaporation membranes using chitosan and titanium glycine-N,N-dimethylphosphonate for dehydration of isopropanol. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3952-3961.	5.2	33
17	Synthesis and characterization of GTMAC grafted chitosan membranes for the dehydration of low water content isopropanol by pervaporation. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 25, 151-161.	2.9	54
18	Enhancement of pervaporation performance of composite membranes through <i>in situ</i> generation of silver nanoparticles in poly(vinyl alcohol) matrix. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	25

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19	Synthesis and characterization of hybrid membranes using chitosan and 2-(3,4-epoxycyclohexyl) ethyltrimethoxysilane for pervaporation dehydration of isopropanol. Journal of Membrane Science, 2013, 441, 83-92.	4.1	27
20	Solving the trade-off phenomenon in separation of water–dioxan mixtures by pervaporation through crosslinked sodium alginate membranes with polystyrene sulfonic acid-co-maleic acid. Chemical Engineering Science, 2013, 94, 84-92.	1.9	24
21	Development of novel membranes for PV separation of water–isopropanol mixtures using poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Ov	4.1	24
22	Development of novel grafted hybrid PVA membranes using glycidyltrimethylammonium chloride for pervaporation separation of water–isopropanol mixtures. Journal of Industrial and Engineering Chemistry, 2013, 19, 427-437.	2.9	40
23	Novel approach for the development of pervaporation membranes using sodium alginate and chitosan-wrapped multiwalled carbon nanotubes for the dehydration of isopropanol. Journal of Membrane Science, 2013, 425-426, 77-88.	4.1	80
24	Synthesis and characterization of sulfonated-poly(vinyl alcohol) membranes for the pervaporation dehydration of isopropanol. Journal of Membrane Science, 2011, 383, 224-234.	4.1	87