

# Piyal Mondal

## List of Publications by Year in descending order

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40  
papers

733  
citations

759055

12  
h-index

642610

23  
g-index

43  
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43  
docs citations

43  
times ranked

520  
citing authors

#	ARTICLE	IF	CITATIONS
1	High performance graphene-oxide doped cellulose acetate based ion exchange membrane for environmental remediation applications. International Journal of Environmental Analytical Chemistry, 2023, 103, 7751-7772.	1.8	13
2	Thin-film composite nanofiltration hollow fiber membranes toward textile industry effluent treatment and environmental remediation applications: review. Emergent Materials, 2022, 5, 1409-1427.	3.2	22
3	Green Synthesized Carbon and Metallic Nanomaterials for Biofuel Production: Effect of Operating Parameters. Clean Energy Production Technologies, 2022, , 105-126.	0.3	1
4	Integrated ozonation assisted electrocoagulation process for the removal of cyanide from steel industry wastewater. Chemosphere, 2021, 263, 128370.	4.2	74
5	Treatment of steel plant generated biological oxidation treated (BOT) wastewater by hybrid process. Separation and Purification Technology, 2021, 258, 118013.	3.9	49
6	Bio-based Polymeric Nanocomposites for Stimuli-Responsive Membranes. , 2021, , 1-28.		0
7	Bio-based Polymeric Nanocomposites for Stimuli-Responsive Membranes. , 2021, , 781-808.		0
8	Preparation and characterization of zeolite from waste Linz-Donawitz (LD) process slag of steel industry for removal of Fe <sup>3+</sup> from drinking water. Advanced Powder Technology, 2021, 32, 3372-3387.	2.0	25
9	Thermal induced membrane separation processes: an introduction. , 2020, , 1-16.		0
10	Membrane materials and modification for thermal induced membrane separation processes. , 2020, , 41-53.		0
11	Fabrication and characterization techniques for thermal induced membrane separation processes. , 2020, , 55-76.		0
12	Membrane distillation. , 2020, , 77-97.		0
13	Theoretical aspects, design, and modeling in thermal induced membrane separation processes. , 2020, , 17-39.		0
14	Pervaporation. , 2020, , 99-120.		1
15	Membrane crystallization. , 2020, , 121-142.		0
16	Membrane contactors. , 2020, , 143-162.		1
17	Membrane reactors and their applications in thermal induced membrane separation processes. , 2020, , 163-186.		0
18	Novel smart, super-hydrophobic, and next generation membranes for thermal induced membrane separation processes. , 2020, , 187-202.		0

#	ARTICLE	IF	CITATIONS
19	Membrane processes in integrated systems. , 2020, , 203-227.		0
20	Fouling and its mitigation in thermal induced membrane separation processes. , 2020, , 229-249.		0
21	Applications of thermal induced membrane separation processes. , 2020, , 251-267.		1
22	Advancements in thermal induced membrane separation processes. , 2020, , 269-295.		0
23	Green synthesis and environmental application of iron-based nanomaterials and nanocomposite: A review. Chemosphere, 2020, 259, 127509.	4.2	176
24	Recovery of H <sub>2</sub> SO <sub>4</sub> from wastewater in the presence of NaCl and KHCO <sub>3</sub> through pH responsive polysulfone membrane: Optimization approach. Polymer Testing, 2020, 86, 106463.	2.3	11
25	Effect of different molecular weight polyethylene glycol on flat sheet cellulose acetate membranes for evaluating power density performance in pressure retarded osmosis study. Journal of Water Process Engineering, 2019, 30, 100632.	2.6	28
26	Preparation and characterization of novel green synthesized iron-aluminum nanocomposite and studying its efficiency in fluoride removal. Chemosphere, 2019, 235, 391-402.	4.2	73
27	Selective glucose permeability in presence of various salts through tunable pore size of pH responsive PVDF-co-HFP membrane. Separation and Purification Technology, 2019, 221, 249-260.	3.9	25
28	Adsorptive Removal of Phosphate from Aqueous Solution by Magnetic-Supported Kaolinite: Characteristics, Isotherm and Kinetic Studies. Open Journal of Applied Sciences, 2019, 09, 544-563.	0.2	4
29	Green synthesized iron nanoparticles supported on pH responsive polymeric membrane for nitrobenzene reduction and fluoride rejection study: Optimization approach. Journal of Cleaner Production, 2018, 170, 1111-1123.	4.6	57
30	Temperature-Responsive Membranes. Interface Science and Technology, 2018, 25, 67-113.	1.6	6
31	pH-Responsive Membranes. Interface Science and Technology, 2018, , 39-66.	1.6	12
32	Photoresponsive Membranes. Interface Science and Technology, 2018, , 115-144.	1.6	11
33	Biologically Responsive Membranes. Interface Science and Technology, 2018, 25, 145-171.	1.6	8
34	Electric Field-Responsive Membranes. Interface Science and Technology, 2018, , 173-191.	1.6	7
35	Magnetic-Responsive Membranes. Interface Science and Technology, 2018, , 193-219.	1.6	8
36	Ultrasound-Responsive Membranes. Interface Science and Technology, 2018, 25, 221-237.	1.6	2

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37	Introduction to Membranes. Interface Science and Technology, 2018, 25, 1-37.	1.6	45
38	Green synthesized iron nanoparticle-embedded pH-responsive PVDF-co-HFP membranes: Optimization study for NPs preparation and nitrobenzene reduction. Separation Science and Technology, 2017, 52, 2338-2355.	1.3	14
39	Effect of Polyethylene glycol methyl ether blend Humic acid on poly (vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td with optimization approach. Polymer Testing, 2017, 61, 162-176.	2.3	28
40	Physico-chemical and adsorption study of hydrothermally treated zeolite A and FAU-type zeolite X prepared from LD (Linzâ€™Donawitz) slag of the steel industry. International Journal of Environmental Analytical Chemistry, 0, , 1-23.	1.8	28