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Influence of type and position of functional groups of phenolic compounds on NF/RO performance

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#	Paper	IF	Citations
36	Effect of nanoparticle aggregation at low concentrations of TiO ₂ on the hydrophilicity, morphology, and fouling resistance of PES-TiO ₂ membranes. <i>Journal of Colloid and Interface Science</i> , 2011 , 363, 540-50	9.3	156
35	Nanofiltration removal of pharmaceutically active compounds. <i>Desalination and Water Treatment</i> , 2012 , 42, 138-143		15
34	Coupling membrane separation and photocatalytic oxidation processes for the degradation of pharmaceutical pollutants. <i>Water Research</i> , 2013 , 47, 5647-58	12.5	83
33	Influence of the type, size, and distribution of metal oxide particles on the properties of nanocomposite ultrafiltration membranes. <i>Journal of Membrane Science</i> , 2013 , 428, 131-141	9.6	174
32	Application of the Spiegler-Kedem-Kachalsky model to the removal of 4-chlorophenol by different nanofiltration membranes. <i>Desalination</i> , 2013 , 315, 70-75	10.3	32
31	Nano-WS ₂ embedded PES membrane with improved fouling and permselectivity. <i>Journal of Colloid and Interface Science</i> , 2013 , 396, 120-8	9.3	42
30	Sorption of phenolic compounds on NF/RO membrane surfaces: Influence on membrane performance. <i>Desalination</i> , 2013 , 309, 64-73	10.3	43
29	11. Concentration of polyphenols by integrated membrane operations. 2013 , 269-294		1
28	Factors governing the rejection of trace organic contaminants by nanofiltration and reverse osmosis membranes. <i>Desalination and Water Treatment</i> , 2014 , 52, 589-599		18
27	Binary metal oxides for composite ultrafiltration membranes. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 7054-7064	13	38
26	Effect of operating parameters on 2-chlorophenol removal from wastewaters by a low-pressure reverse osmosis system. <i>Desalination and Water Treatment</i> , 2015 , 55, 114-124		9
25	Two-stage nanofiltration process for high-value chemical production from hydrolysates of lignocellulosic biomass through hydrothermal liquefaction. <i>Separation and Purification Technology</i> , 2015 , 147, 276-283	8.3	27
24	Removal of 4-chloro-2-methylphenol from aqueous solutions by nanofiltration and reverse osmosis. <i>Desalination and Water Treatment</i> , 2015 , 53, 1499-1505		2
23	Behaviour of RO90 membrane on the removal of 4-nitrophenol and 4-nitroaniline by low pressure reverse osmosis. <i>Journal of Water Process Engineering</i> , 2015 , 7, 169-175	6.7	9
22	Preparation and characterization of MOF-PES ultrafiltration membranes. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	38
21	Influence of Physicochemical Parameters of Organic Solutes on the Retention and Flux in a Nanofiltration Process. <i>Chemical Engineering and Technology</i> , 2016 , 39, 1177-1184	2	6
20	Removal of anilinic compounds using the NF-97 membrane: Application of the solution-diffusion and SKK models. <i>Separation Science and Technology</i> , 2016 , 51, 2429-2439	2.5	4

19	Effect of polyphenols-membrane interactions on the performance of membrane-based processes. A review. <i>Coordination Chemistry Reviews</i> , 2017 , 351, 45-75	23.2	38
18	Understanding of phenolic compound retention mechanisms on PES-UF membrane. <i>Turkish Journal of Chemistry</i> , 2017 , 41, 813-825	1	0
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16	Behaviour of polysulfone ultrafiltration membrane for dyes removal. <i>Water Science and Technology</i> , 2018 , 77, 2093-2100	2.2	22
15	Recovery of bruteridin and melitidin from clarified bergamot juice by membrane operations. <i>Journal of Food Process Engineering</i> , 2018 , 41, e12870	2.4	4
14	Nanofiltration and Tight Ultrafiltration Membranes for the Recovery of Polyphenols from Agro-Food By-Products. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	104
13	Microwave-assisted extraction and membrane-based separation of biophenols from red wine lees. <i>Food and Bioproducts Processing</i> , 2019 , 117, 74-83	4.9	26
12	Evaluating the performance of different nano-enhanced ultrafiltration membranes for the removal of organic pollutants from wastewater. <i>Journal of Water Process Engineering</i> , 2019 , 31, 100833	6.7	25
11	Removal of phenolic compounds from industrial waste water based on membrane-based technologies. <i>Journal of Industrial and Engineering Chemistry</i> , 2019 , 71, 1-18	6.3	134
10	Fabrication of electrospun polyethersulfone/titanium dioxide (PES/TiO ₂) composite nanofibers membrane and its application for photocatalytic degradation of phenol in aqueous solution. <i>Polymers for Advanced Technologies</i> , 2020 , 31, 772-785	3.2	11
9	Separation of phenols from aqueous streams using terpenoids and hydrophobic eutectic solvents. <i>Separation and Purification Technology</i> , 2020 , 251, 117379	8.3	12
8	Application of polyamide thin-film composite layered on polysulfone-GO/TiO mixed matrix membranes for removal of nitrotoluene derivatives from petrochemical wastewaters. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 42481-42494	5.1	7
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