

# Derrick S Dlamini

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

621  
citations

759233

12  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

948  
citing authors

#	ARTICLE	IF	CITATIONS
1	A critical review of transport through osmotic membranes. <i>Journal of Membrane Science</i> , 2014, 454, 516-537.	8.2	254
2	Ultra-low graphene oxide loading for water permeability, antifouling and antibacterial improvement of polyethersulfone/sulfonated polysulfone ultrafiltration membranes. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 319-331.	9.4	84
3	Critical review of montmorillonite/polymer mixed-matrix filtration membranes: Possibilities and challenges. <i>Applied Clay Science</i> , 2019, 168, 21-30.	5.2	50
4	The role of nanoparticles in the performance of nano-enabled composite membranes – A critical scientific perspective. <i>Science of the Total Environment</i> , 2019, 656, 723-731.	8.0	45
5	A critical review of selected membrane- and powder-based adsorbents for water treatment: Sustainability and effectiveness. <i>Journal of Cleaner Production</i> , 2020, 277, 123497.	9.3	36
6	Effect of Cross-Linking Agent Chemistry and Coating Conditions on Physical, Chemical, and Separation Properties of PVA-Psf Composite Membranes. <i>Separation Science and Technology</i> , 2014, 49, 22-29.	2.5	23
7	Electro-catalytic membrane anode for dye removal from wastewater. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 603, 125270.	4.7	21
8	Preparation and characterization of thin film composite membranes modified with amine-functionalized $\beta$ -cyclodextrins. <i>Journal of Applied Polymer Science</i> , 2013, 129, 549-558.	2.6	20
9	Polyethersulfone/ <i>Chromolaena odorata</i> (PES/CO) adsorptive membranes for removal of Congo red from water. <i>Journal of Water Process Engineering</i> , 2019, 30, 100498.	5.6	17
10	Kinetic and equilibrium studies of the removal of Pb <sup>2+</sup> from aqueous solutions using Na <sub>2</sub> SO <sub>4</sub> -EVA/Cloisite® 20A composite. <i>Materials Chemistry and Physics</i> , 2012, 133, 369-375.	4.0	16
11	Tight ultrafiltration: Layer deposition of Trimesoyl chloride/ $\beta$ -Cyclodextrin onto Polysulfone/Poly (styrene-co-maleic anhydride) membrane for water treatment. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103733.	6.7	14
12	Solute hindrance in non-porous membranes: An ATR-FTIR study. <i>Desalination</i> , 2015, 368, 60-68.	8.2	12
13	Structural, Transport and Adsorptive Properties of <i>Lantana camara</i> -Reinforced Ethylene Vinyl Acetate Composites. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 3831-3843.	2.4	8
14	ANN modeling in Pb(II) removal from water by clay-polymer composites fabricated via the melt-blending. <i>Journal of Applied Polymer Science</i> , 2013, 130, 3894-3901.	2.6	8
15	Hydrophilic polysulfone/ <i>Lantana camara</i> mixed matrix membranes for the removal of dyes from water. <i>Surfaces and Interfaces</i> , 2018, 13, 216-223.	3.0	7
16	The effect of Styrene Maleic Anhydride on the microstructure evolution of PSF-based membrane prepared by thermal-induced phase separation method. <i>Materials Today Communications</i> , 2019, 21, 100687.	1.9	4
17	Fabrication and characterization of HCl-treated clinoptilolite filled ethylene vinyl acetate composite films. <i>Journal of Applied Polymer Science</i> , 2013, 127, 4359-4365.	2.6	1
18	Effect of <i>Lantana camara</i> on the Morphology of Polysulfone Membranes for Water Purification. <i>ChemistrySelect</i> , 2019, 4, 559-564.	1.5	1

#	ARTICLE	IF	CITATIONS
19	Enhanced dye recovery from textile effluents by means of biobased nanomaterials/polymer loose nanofiltration membranes. , 2022, , 73-91.		0