

Derrick S Dlamini

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2490871/publications.pdf>

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	Enhanced dye recovery from textile effluents by means of biobased nanomaterials/polymer loose nanofiltration membranes. , 2022, , 73-91.		0
2	A critical review of selected membrane- and powder-based adsorbents for water treatment: Sustainability and effectiveness. Journal of Cleaner Production, 2020, 277, 123497.	9.3	36
3	Tight ultrafiltration: Layer deposition of Trimesoyl chloride/ β -Cyclodextrin onto Polysulfone/Poly (styrene-co-maleic anhydride) membrane for water treatment. Journal of Environmental Chemical Engineering, 2020, 8, 103733.	6.7	14
4	Electro-catalytic membrane anode for dye removal from wastewater. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 603, 125270.	4.7	21
5	The effect of Styrene Maleic Anhydride on the microstructure evolution of PSF-based membrane prepared by thermal-induced phase separation method. Materials Today Communications, 2019, 21, 100687.	1.9	4
6	Ultra-low graphene oxide loading for water permeability, antifouling and antibacterial improvement of polyethersulfone/sulfonated polysulfone ultrafiltration membranes. Journal of Colloid and Interface Science, 2019, 552, 319-331.	9.4	84
7	The role of nanoparticles in the performance of nano-enabled composite membranes – A critical scientific perspective. Science of the Total Environment, 2019, 656, 723-731.	8.0	45
8	Critical review of montmorillonite/polymer mixed-matrix filtration membranes: Possibilities and challenges. Applied Clay Science, 2019, 168, 21-30.	5.2	50
9	Effect of Lantana camara on the Morphology of Polysulfone Membranes for Water Purification. ChemistrySelect, 2019, 4, 559-564.	1.5	1
10	Polyethersulfone/Chromolaena odorata (PES/CO) adsorptive membranes for removal of Congo red from water. Journal of Water Process Engineering, 2019, 30, 100498.	5.6	17
11	Hydrophilic polysulfone/Lantana camara mixed matrix membranes for the removal of dyes from water. Surfaces and Interfaces, 2018, 13, 216-223.	3.0	7
12	Solute hindrance in non-porous membranes: An ATR-FTIR study. Desalination, 2015, 368, 60-68.	8.2	12
13	Effect of Cross-Linking Agent Chemistry and Coating Conditions on Physical, Chemical, and Separation Properties of PVA-Psf Composite Membranes. Separation Science and Technology, 2014, 49, 22-29.	2.5	23
14	A critical review of transport through osmotic membranes. Journal of Membrane Science, 2014, 454, 516-537.	8.2	254
15	Fabrication and characterization of HCl-treated clinoptilolite filled ethylene vinyl acetate composite films. Journal of Applied Polymer Science, 2013, 127, 4359-4365.	2.6	1
16	Preparation and characterization of thin film composite membranes modified with amine-functionalized β -cyclodextrins. Journal of Applied Polymer Science, 2013, 129, 549-558.	2.6	20
17	ANN modeling in Pb(II) removal from water by clay-polymer composites fabricated via the melt-blending. Journal of Applied Polymer Science, 2013, 130, 3894-3901.	2.6	8
18	Structural, Transport and Adsorptive Properties of Lantana camara-Reinforced Ethylene Vinyl Acetate Composites. Water, Air, and Soil Pollution, 2012, 223, 3831-3843.	2.4	8

#	ARTICLE	IF	CITATIONS
19	Kinetic and equilibrium studies of the removal of Pb ²⁺ from aqueous solutions using Na ₂ SO ₄ -EVA/Cloisite® 20A composite. Materials Chemistry and Physics, 2012, 133, 369-375.	4.0	16