

# Purushothaman Monash

## List of Publications by Year in descending order

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16  
papers

844  
citations

686830

13  
h-index

940134

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

1239  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption of crystal violet dye from aqueous solution using mesoporous materials synthesized at room temperature. <i>Adsorption</i> , 2009, 15, 390-405.	1.4	137
2	Solar photocatalytic activity of anatase TiO <sub>2</sub> nanocrystals synthesized by non-hydrolytic sol-gel method. <i>Solar Energy</i> , 2014, 101, 321-332.	2.9	109
3	Effect of TiO <sub>2</sub> addition on the fabrication of ceramic membrane supports: A study on the separation of oil droplets and bovine serum albumin (BSA) from its solution. <i>Desalination</i> , 2011, 279, 104-114.	4.0	85
4	Effective treatment of dye polluted wastewater using nanoporous CaCl <sub>2</sub> modified polyethersulfone membrane. <i>Chemical Engineering Research and Design</i> , 2019, 124, 266-278.	2.7	77
5	Development of Ceramic Supports Derived from Low-Cost Raw Materials for Membrane Applications and its Optimization Based on Sintering Temperature. <i>International Journal of Applied Ceramic Technology</i> , 2011, 8, 227-238.	1.1	71
6	Investigation of equilibrium and kinetic parameters of methylene blue adsorption onto MCM-41. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 1184-1191.	1.2	56
7	Recent progress in the hydrophilic modification of alumina membranes for protein separation and purification. <i>Ceramics International</i> , 2017, 43, 915-925.	2.3	52
8	Utilization of calcined Ni-Al layered double hydroxide (LDH) as an Adsorbent for removal of methyl orange dye from aqueous solution. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 154-159.	1.3	50
9	Fabrication and characterization of γ-Al <sub>2</sub> O <sub>3</sub> -clay composite ultrafiltration membrane for the separation of electrolytes from its aqueous solution. <i>Journal of Membrane Science</i> , 2009, 340, 181-191.	4.1	41
10	Effect of microwave frequency on dielectric properties of oil palm shell (OPS) and OPS char synthesized by microwave pyrolysis of OPS. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015, 112, 306-312.	2.6	40
11	Utilization of ball clay adsorbents for the removal of crystal violet dye from aqueous solution. <i>Clean Technologies and Environmental Policy</i> , 2011, 13, 141-151.	2.1	33
12	Various fabrication methods of porous ceramic supports for membrane applications. <i>Reviews in Chemical Engineering</i> , 2013, 29, .	2.3	33
13	Adsorption isotherm, kinetic and thermodynamic studies of activated carbon prepared from <i>Garcinia mangostana</i> shell. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2013, 8, 811-818.	0.8	17
14	Treatment of oil-in-water emulsion using tubular ceramic membrane acquired from locally available low-cost inorganic precursors. <i>Desalination and Water Treatment</i> , 2016, 57, 28056-28070.	1.0	16
15	Surface chemistry and adsorption mechanism of cadmium ion on activated carbon derived from <i>Garcinia mangostana</i> shell. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 1904-1910.	1.2	14
16	Improved hydrophilic property of PES/PEG/MnCO <sub>3</sub> blended membranes for synthetic dye separation. <i>International Journal of Environmental Studies</i> , 2018, 75, 592-604.	0.7	13