

Ng Law Yong

List of Publications by Year in descending order

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36
papers

3,923
citations

304368

22
h-index

360668

35
g-index

36
all docs

36
docs citations

36
times ranked

5319
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of ZnO nanoparticles as solar photocatalysts: Synthesis, mechanisms and applications. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 536-551.	8.2	1,713
2	Polymeric membranes incorporated with metal/metal oxide nanoparticles: A comprehensive review. <i>Desalination</i> , 2013, 308, 15-33.	4.0	805
3	A review of carbon quantum dots and their applications in wastewater treatment. <i>Advances in Colloid and Interface Science</i> , 2020, 278, 102124.	7.0	176
4	Novel nanohybrid polysulfone membrane embedded with silver nanoparticles on graphene oxide nanoplates. <i>Chemical Engineering Journal</i> , 2015, 277, 1-10.	6.6	172
5	A review on nanofiltration membrane fabrication and modification using polyelectrolytes: Effective ways to develop membrane selective barriers and rejection capability. <i>Advances in Colloid and Interface Science</i> , 2013, 197-198, 85-107.	7.0	120
6	Enhancing Morphology and Separation Performance of Polyamide 6,6 Membranes By Minimal Incorporation of Silver Decorated Graphene Oxide Nanoparticles. <i>Scientific Reports</i> , 2019, 9, 1216.	1.6	100
7	Optimizing the incorporation of silica nanoparticles in polysulfone/poly(vinyl alcohol) membranes with response surface methodology. <i>Journal of Applied Polymer Science</i> , 2011, 121, 1804-1814.	1.3	66
8	Simultaneous removal of Congo red and cadmium(II) from aqueous solutions using graphene oxide-silica composite as a multifunctional adsorbent. <i>Journal of Environmental Sciences</i> , 2020, 98, 151-160.	3.2	66
9	Development of nanofiltration membrane with high salt selectivity and performance stability using polyelectrolyte multilayers. <i>Desalination</i> , 2014, 351, 19-26.	4.0	63
10	Solar photocatalytic and surface enhancement of ZnO/rGO nanocomposite: Degradation of perfluorooctanoic acid and dye. <i>Chemical Engineering Research and Design</i> , 2017, 112, 298-307.	2.7	53
11	Incorporation of graphene oxide-based nanocomposite in the polymeric membrane for water and wastewater treatment: A review on recent development. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105994.	3.3	50
12	Membrane fouling mechanisms during ultrafiltration of skimmed coconut milk. <i>Journal of Food Engineering</i> , 2014, 142, 190-200.	2.7	49
13	Sustainable production of nitrogen-doped carbon quantum dots for photocatalytic degradation of methylene blue and malachite green. <i>Journal of Water Process Engineering</i> , 2021, 40, 101816.	2.6	49
14	Industrial textile wastewater treatment via membrane photocatalytic reactor (MPR) in the presence of ZnO-PEG nanoparticles and tight ultrafiltration. <i>Journal of Water Process Engineering</i> , 2019, 31, 100872.	2.6	48
15	Utilization of self-synthesized ZnO nanoparticles in MPR for industrial dye wastewater treatment using NF and UF membrane. <i>Desalination and Water Treatment</i> , 2015, 54, 944-955.	1.0	44
16	Alteration of polyethersulphone membranes through UV-induced modification using various materials: A brief review. <i>Arabian Journal of Chemistry</i> , 2017, 10, S1821-S1834.	2.3	43
17	Sulfonated-polysulfone membrane surface modification by employing methacrylic acid through UV-grafting: Optimization through response surface methodology approach. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 1549-1557.	2.9	40
18	Improving membrane bioreactor performance through the synergistic effect of silver-decorated graphene oxide in composite membranes. <i>Journal of Water Process Engineering</i> , 2020, 34, 101169.	2.6	35

#	ARTICLE	IF	CITATIONS
19	A review of the management of inflow water, wastewater and water reuse by membrane technology for a sustainable production in shrimp farming. <i>Journal of Water Process Engineering</i> , 2018, 23, 27-44.	2.6	34
20	A review on cellulose nanocrystals production and characterization methods from <i>Elaeis guineensis</i> empty fruit bunches. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103339.	2.3	34
21	Distinguishing characteristics and usability of graphene oxide based on different sources of graphite feedstock. <i>Journal of Colloid and Interface Science</i> , 2019, 542, 429-440.	5.0	33
22	Integrated adsorption-solar photocatalytic membrane reactor for degradation of hazardous Congo red using Fe-doped ZnO and Fe-doped ZnO/rGO nanocomposites. <i>Environmental Science and Pollution Research</i> , 2019, 26, 33856-33869.	2.7	29
23	Conductive polyelectrolyte multilayers PANI membranes synthesis for tunable filtration ranges. <i>Journal of Materials Science</i> , 2019, 54, 12988-13005.	1.7	19
24	Enhancement of polysulfone membrane with integrated ZnO nanoparticles for the clarification of sweetwater. <i>International Journal of Environmental Science and Technology</i> , 2018, 15, 561-570.	1.8	18
25	Sequential fractionation of value-added coconut products using membrane processes. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 25, 162-167.	2.9	16
26	Photocatalytic degradation of crystal violet dye using sulphur-doped carbon quantum dots. <i>Materials Today: Proceedings</i> , 2021, 46, 1934-1939.	0.9	13
27	Novel polyethersulfone-cellulose composite thin film using sustainable empty fruit bunches from <i>Elaeis guineensis</i> for methylene blue removal. <i>Polymer Testing</i> , 2020, 86, 106494.	2.3	11
28	Development of a nanofiltration membrane for humic acid removal through the formation of polyelectrolyte multilayers that contain nanoparticles. <i>Desalination and Water Treatment</i> , 2016, 57, 7627-7636.	1.0	10
29	Optimization of Polymeric Membrane Characteristics through Thermal Treatment and Deposition of Polyelectrolyte Layers Using Response Surface Modeling. <i>Advances in Polymer Technology</i> , 2015, 34, .	0.8	4
30	Polyethersulfone-cellulose composite thin film incorporated with regenerated-cellulose extracted from empty fruit bunches of <i>elaeis guineensis</i> . <i>Materials Today: Proceedings</i> , 2021, 46, 1882-1888.	0.9	2
31	Development of a university-industry collaboration model towards work-ready engineering graduates. <i>Research in Science and Technological Education</i> , 2023, 41, 505-522.	1.4	2
32	Preparation of Carbon-Based Photo-catalyst for Degradation of Phenols. <i>Green Energy and Technology</i> , 2021, , 293-323.	0.4	2
33	Membrane Performance and Potential Separation of Cytokinins During Ultrafiltration of Skimmed Coconut Milk. <i>Advanced Science Letters</i> , 2013, 19, 3620-3624.	0.2	2
34	Stability and Performance Study of Polyethersulfone Membranes Modified Using Polyelectrolytes. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2013, 65, .	0.3	1
35	Comparison study of adsorbent produced from renewable resources: Oil palm empty fruit bunch and rice husk. <i>Materials Today: Proceedings</i> , 2020, 29, 149-155.	0.9	1
36	Fabrication of graphene-based membrane for separation of hazardous contaminants from wastewater. , 2019, , 267-291.		0