

Kaushik Nath

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,696
citations

471371

17
h-index

434063

31
g-index

35
all docs

35
docs citations

35
times ranked

1762
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement of fermentative hydrogen production: various approaches. <i>Applied Microbiology and Biotechnology</i> , 2004, 65, 520-9.	1.7	480
2	Kinetics of two-stage fermentation process for the production of hydrogen. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 1195-1203.	3.8	160
3	Modeling and optimization of fermentative hydrogen production. <i>Bioresource Technology</i> , 2011, 102, 8569-8581.	4.8	129
4	Hydrogen production by <i>Rhodobacter sphaeroides</i> strain O.U.001 using spent media of <i>Enterobacter cloacae</i> strain DM11. <i>Applied Microbiology and Biotechnology</i> , 2005, 68, 533-541.	1.7	119
5	Feasibility studies on the fermentative hydrogen production by recombinant <i>Escherichia coli</i> BL-21. <i>Process Biochemistry</i> , 2006, 41, 682-688.	1.8	112
6	Improvement of Biohydrogen Production Under Decreased Partial Pressure of H ₂ by <i>Enterobacter cloacae</i> . <i>Biotechnology Letters</i> , 2006, 28, 831-835.	1.1	106
7	Effect of some environmental parameters on fermentative hydrogen production by <i>Enterobacter cloacae</i> DM11. <i>Canadian Journal of Microbiology</i> , 2006, 52, 525-532.	0.8	84
8	Revisiting the recent applications of nanofiltration in food processing industries: Progress and prognosis. <i>Trends in Food Science and Technology</i> , 2018, 73, 12-24.	7.8	75
9	Effect of light intensity and initial pH during hydrogen production by an integrated dark and photofermentation process. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 7497-7501.	3.8	74
10	Prospect of ionic liquids and deep eutectic solvents as new generation draw solution in forward osmosis process. <i>Journal of Water Process Engineering</i> , 2018, 21, 163-176.	2.6	64
11	Microbial regeneration of spent activated carbon dispersed with organic contaminants: mechanism, efficiency, and kinetic models. <i>Environmental Science and Pollution Research</i> , 2011, 18, 534-546.	2.7	42
12	Graphene oxide incorporated novel polyvinyl alcohol composite membrane for pervaporative recovery of acetic acid from vinegar wastewater. <i>Journal of Water Process Engineering</i> , 2016, 14, 124-134.	2.6	42
13	Preparation of activated carbon from dried pods of <i>Prosopis cineraria</i> with zinc chloride activation for the removal of phenol. <i>Environmental Science and Pollution Research</i> , 2013, 20, 4030-4045.	2.7	31
14	Alleviation of flux decline in cross flow nanofiltration of two-component dye and salt mixture by low frequency ultrasonic irradiation. <i>Desalination</i> , 2013, 317, 132-141.	4.0	31
15	Feasibility of forward osmosis using ultra low pressure RO membrane and Glauber salt as draw solute for wastewater treatment. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 5635-5644.	3.3	21
16	Super phosphoric acid catalyzed esterification of Palm Fatty Acid Distillate for biodiesel production: physicochemical parameters and kinetics. <i>Polish Journal of Chemical Technology</i> , 2015, 17, 88-96.	0.3	18
17	Amelioration of biohydrogen production by a two-stage fermentation process. <i>Industrial Biotechnology</i> , 2006, 2, 44-47.	0.5	17
18	Dewatering of Brackish Water and Wastewater by an Integrated Forward Osmosis and Nanofiltration System for Direct Fertigation. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 9977-9986.	1.7	16

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19	Performance of low pressure nanofiltration membrane in forward osmosis using magnesium chloride as draw solute. <i>Journal of Water Process Engineering</i> , 2020, 33, 101092.	2.6	16
20	Reduced graphene oxide coated graphite electrodes for treating Reactive Turquoise Blue 21 rinse water using an indirect electro-oxidation process. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	7
21	Comparative performance of flat sheet and spiral wound modules in the nanofiltration of reactive dye solution. <i>Environmental Science and Pollution Research</i> , 2012, 19, 2994-3004.	2.7	6
22	Process optimization of super phosphoric acid-catalyzed esterification of palm fatty acid distillate using response surface methodology. <i>Biomass Conversion and Biorefinery</i> , 2015, 5, 397-407.	2.9	6
23	Performance characteristics of surfactant treated commercial polyamide membrane in the nanofiltration of model solution of reactive yellow 160. <i>Journal of Water Process Engineering</i> , 2016, 9, e27-e37.	2.6	6
24	Synthesis, Characterization and Application of Disodium Tetraborate Cross-Linked Polyvinyl Alcohol Membranes for Pervaporation Dehydration of Ethylene Glycol. <i>Acta Chimica Slovenica</i> , 2018, 65, 902-918.	0.2	6
25	Mitigation of Flux Decline in the Cross-Flow Nanofiltration of Molasses Wastewater under the Effect of Gas Sparging. <i>Separation Science and Technology</i> , 2014, 49, 1479-1489.	1.3	5
26	Separation of ternary sodium chloride/Reactive Black-5 aqueous solutions using two different modules in a nanofiltration pilot plant. <i>International Journal of Environmental Science and Technology</i> , 2014, 11, 1237-1248.	1.8	5
27	Analysis of molar flux and current density in the electrodialytic separation of sulfuric acid from spent liquor using an anion exchange membrane. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 1878-1888.	1.2	5
28	Modeling of permeate flux and mass transfer resistances in the reclamation of molasses wastewater by a novel gas-sparged nanofiltration. <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 1865-1876.	1.2	4
29	Evaluation of <i>Prosopis juliflora</i> as a potential feedstock for the production of sodium lignosulfonate from the spent liquor of a laboratory digester. <i>Journal of Wood Chemistry and Technology</i> , 2020, 40, 331-347.	0.9	4
30	Performance of polyamide and polyethersulfone membranes in the nanofiltration of reactive dye-salt mixtures on pilot scale. <i>Desalination and Water Treatment</i> , 2014, 52, 7026-7036.	1.0	2
31	Effect of selected process parameters on the electrodialytic separation and concentration of sulfuric acid using graphite electrodes. <i>Chemical Engineering Communications</i> , 2020, 207, 295-305.	1.5	2
32	Improvement of fermentative hydrogen production: various approaches. , 2004, 65, 520.		1
33	Concentration of Sulfuric Acid from Spent Acidic Liquor by Cascaded Electrodialysis Using an Interpolymer Anion Exchange Membrane. <i>Asian Journal of Chemistry</i> , 2020, 32, 1169-1176.	0.1	0
34	Bioregeneration of Granular Activated Carbon Adsorbed with Analytical-Grade Hydroquinone Compound Using Mixed Bacterial Culture. <i>Lecture Notes in Civil Engineering</i> , 2019, , 13-17.	0.3	0
35	Valorisation of sodium lignosulfonate by ultrafiltration of spent sulphite liquor using commercial polyethersulfone membrane. <i>Indian Chemical Engineer</i> , 0, , 1-12.	0.9	0