

Sankha Chakrabortty

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1302308/publications.pdf>

Version: 2024-02-01

35
papers

728
citations

687363

13
h-index

552781

26
g-index

35
all docs

35
docs citations

35
times ranked

626
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on the treatment of textile industry waste effluents towards the development of efficient mitigation strategy: An integrated system design approach. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105277.	6.7	142
2	Removal of fluoride from contaminated groundwater by cross flow nanofiltration: Transport modeling and economic evaluation. <i>Desalination</i> , 2013, 313, 115-124.	8.2	119
3	A nanofiltration-coagulation integrated system for separation and stabilization of arsenic from groundwater. <i>Science of the Total Environment</i> , 2014, 476-477, 601-610.	8.0	81
4	Photocatalytic conversion of CO ₂ to methanol using membrane-integrated Green approach: A review on capture, conversion and purification. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103935.	6.7	43
5	Treating complex industrial wastewater in a new membrane-integrated closed loop system for recovery and reuse. <i>Clean Technologies and Environmental Policy</i> , 2015, 17, 2299-2310.	4.1	41
6	Strategic management of nitrate pollution from contaminated water using viable adsorbents: An economic assessment-based review with possible policy suggestions. <i>Journal of Environmental Management</i> , 2022, 303, 114081.	7.8	30
7	Membrane-integrated physico-chemical treatment of coke-oven wastewater: transport modelling and economic evaluation. <i>Environmental Science and Pollution Research</i> , 2015, 22, 6010-6023.	5.3	25
8	Modelling forward osmosis-nanofiltration integrated process for treatment and recirculation of leather industry wastewater. <i>Computers and Chemical Engineering</i> , 2019, 127, 99-110.	3.8	24
9	Water treatment in a new flux-enhancing, continuous forward osmosis design: Transport modelling and economic evaluation towards scale up. <i>Desalination</i> , 2015, 365, 329-342.	8.2	23
10	Modeling and simulation of continuous production of L (+) glutamic acid in a membrane-integrated bioreactor. <i>Biochemical Engineering Journal</i> , 2016, 106, 68-86.	3.6	22
11	Sorptive removal of malachite green from aqueous solution by magnetite/coir pith supported sodium alginate beads: Kinetics, isotherms, thermodynamics and parametric optimization. <i>Environmental Technology and Innovation</i> , 2021, 24, 101818.	6.1	21
12	A flux-enhancing forward osmosis-nanofiltration integrated treatment system for the tannery wastewater reclamation. <i>Environmental Science and Pollution Research</i> , 2017, 24, 15768-15780.	5.3	17
13	Catalytic conversion of CO ₂ to biofuel (methanol) and downstream separation in membrane-integrated photoreactor system under suitable conditions. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 675-690.	7.1	16
14	Maghemite/ZnO nanocomposites: A highly efficient, reusable and non-noble metal catalyst for reduction of 4-nitrophenol. <i>Advanced Powder Technology</i> , 2021, 32, 2905-2915.	4.1	14
15	An economical strategy towards the managing of selenium pollution from contaminated water: A current state-of-the-art review. <i>Journal of Environmental Management</i> , 2022, 304, 114143.	7.8	14
16	Separation of COD, sulphate and chloride from pharmaceutical wastewater using membrane integrated system: Transport modeling towards scale-up. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104275.	6.7	13
17	Arsenic removal from contaminated groundwater by membrane-integrated hybrid plant: optimization and control using Visual Basic platform. <i>Environmental Science and Pollution Research</i> , 2014, 21, 3840-3857.	5.3	12
18	Purifying fluoride-contaminated water by a novel forward osmosis design with enhanced flux under reduced concentration polarization. <i>Environmental Science and Pollution Research</i> , 2015, 22, 11401-11411.	5.3	10

#	ARTICLE	IF	CITATIONS
19	Treatment of arsenic sludge generated from groundwater treatment plant: A review towards a sustainable solution. South African Journal of Chemical Engineering, 2021, 37, 214-226.	2.4	10
20	Dynamic modelling of a forward osmosis-nanofiltration integrated process for treating hazardous wastewater. Environmental Science and Pollution Research, 2016, 23, 21604-21618.	5.3	8
21	Developing a Closed-Loop Water Conservation System at Micro Level Through Circular Economy Approach. Water Resources Management, 2019, 33, 4157-4170.	3.9	8
22	Removing toxic contaminants from groundwater by graphene oxide nanocomposite in a membrane module under response surface optimization. International Journal of Environmental Science and Technology, 2019, 16, 4583-4594.	3.5	7
23	Facile synthesis, characterization and application of heterogeneous Al@Si materials for adsorptive mitigation of fluoride: Optimization and cost analysis. Environmental Nanotechnology, Monitoring and Management, 2021, 16, 100490.	2.9	6
24	Sorptive elimination of fluoride from contaminated groundwater in a fixed bed column: A kinetic model validation based study. Journal of the Indian Chemical Society, 2022, 99, 100302.	2.8	6
25	Fluoride in groundwater: low-cost separation and stabilization by response surface optimization. International Journal of Environmental Science and Technology, 2016, 13, 813-824.	3.5	5
26	Facile synthesis, characterization and application of magnetic Fe ₃ O ₄ -coir pith composites for the removal of methyl violet from aqueous solution: Kinetics, isotherm, thermodynamics and parametric optimization. Journal of the Indian Chemical Society, 2022, 99, 100447.	2.8	5
27	Performance analysis and optimization of an advanced pharmaceutical wastewater treatment plant through a visual basic software tool (PWWT.VB). Environmental Science and Pollution Research, 2016, 23, 9901-9917.	5.3	4
28	Advanced operation and control in graphical user interface of a membrane-integrated hybrid biochemical process for acetic acid production. Indian Chemical Engineer, 2021, 63, 84-98.	1.5	1
29	Nanomaterials for CO ₂ capture. , 2021, , 21-30.		1
30	Solar energy application on methanol production and purificationâ€”a concise review. AIP Conference Proceedings, 2018, , .	0.4	0
31	Development of integrated photo-catalyst adsorbent (IPCA) for simultaneous capture and conversion of CO ₂ to methanol. AIP Conference Proceedings, 2019, , .	0.4	0
32	Concentration Enrichment of Fermentation Derived Acetic Acid: Transport Modeling of Forward Osmosis-Nanofiltration Integrated System. Chemical Product and Process Modeling, 2020, 15, .	0.9	0
33	Clean water reclamation from tannery industrial wastewater in integrated treatment schemes: a substantial review toward a viable solution. , 2021, , 199-232.		0
34	Aerobic Synthesis of Value-Added Organic Acid. , 2020, , 61-80.		0
35	Green Synthesis of Food Flavoring Agents. , 2020, , 81-96.		0