

Nitin Kumar Singh

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

760
citations

471509

17
h-index

526287

27
g-index

34
all docs

34
docs citations

34
times ranked

678
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on full-scale decentralized wastewater treatment systems: techno-economical approach. <i>Water Science and Technology</i> , 2015, 71, 468-478.	2.5	129
2	Organizational resilience and social-economic sustainability: COVID-19 perspective. <i>Environment, Development and Sustainability</i> , 2021, 23, 12006-12023.	5.0	98
3	Greenhouse gases emission control in WWTS via potential operational strategies: A critical review. <i>Chemosphere</i> , 2021, 273, 129694.	8.2	39
4	Treatment performance and microbial diversity under dissolved oxygen stress conditions: Insights from a single stage IFAS reactor treating municipal wastewater. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 65, 197-203.	5.3	30
5	Environmental performance and microbial investigation of a single stage aerobic integrated fixed-film activated sludge (IFAS) reactor treating municipal wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 2225-2237.	6.7	29
6	Solar light-induced photocatalytic degradation of methyl red in an aqueous suspension of commercial ZnO: a green approach. <i>Desalination and Water Treatment</i> , 2015, 53, 501-514.	1.0	28
7	Characterization of indoor settled dust and investigation of indoor air quality in different micro-environments. <i>International Journal of Environmental Health Research</i> , 2018, 28, 419-431.	2.7	28
8	A state-of-the-art review on WWTP associated bioaerosols: Microbial diversity, potential emission stages, dispersion factors, and control strategies. <i>Journal of Hazardous Materials</i> , 2021, 410, 124686.	12.4	27
9	Effect of intermittent aeration cycles on EPS production and sludge characteristics in a field scale IFAS reactor. <i>Journal of Water Process Engineering</i> , 2018, 23, 230-238.	5.6	26
10	Multivariate statistical assessment of ambient air pollution in two coalfields having different coal transportation strategy: A comparative study in Eastern India. <i>Journal of Cleaner Production</i> , 2019, 207, 97-110.	9.3	26
11	Nitrogen and carbon removal efficiency of a polyvinyl alcohol gel based moving bed biofilm reactor system. <i>Water Science and Technology</i> , 2016, 73, 1511-1519.	2.5	25
12	Isotherm investigation for the sorption of fluoride onto Bio-F: comparison of linear and non-linear regression method. <i>Applied Water Science</i> , 2017, 7, 4793-4800.	5.6	22
13	Performance and Cost Analysis of Decentralized Wastewater Treatment Plants in Northern India: Case Study. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018, 144, 05017024.	2.6	22
14	A pilot-scale study on PVA gel beads based integrated fixed film activated sludge (IFAS) plant for municipal wastewater treatment. <i>Water Science and Technology</i> , 2016, 73, 113-123.	2.5	21
15	Effect of intermittent aeration on microbial diversity in an intermittently aerated IFAS reactor treating municipal wastewater: A field study. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2017, 52, 440-448.	1.7	21
16	Parametric and kinetic investigations on segregated and mixed textile effluent streams using <i>Moringa oleifera</i> seed powders of different sizes. <i>Journal of Water Process Engineering</i> , 2020, 34, 101159.	5.6	21
17	Effect of intermittent aeration strategies on treatment performance and microbial community of an IFAS reactor treating municipal waste water. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 2866-2876.	2.2	20
18	Source apportionment of particulate matter, gaseous pollutants, and volatile organic compounds in a future smart city of India. <i>Urban Climate</i> , 2019, 28, 100470.	5.7	18

#	ARTICLE	IF	CITATIONS
19	Environmental performance of an integrated fixed-film activated sludge (IFAS) reactor treating actual municipal wastewater during start-up phase. <i>Water Science and Technology</i> , 2015, 72, 1840-1850.	2.5	17
20	Ensuring sustainability of conventional aerobic wastewater treatment system via bio-augmentation of aerobic bacterial consortium: An enhanced biological phosphorus removal approach. <i>Journal of Cleaner Production</i> , 2020, 262, 121328.	9.3	15
21	Methyl red degradation under UV illumination and catalytic action of commercial ZnO: a parametric study. <i>Desalination and Water Treatment</i> , 2015, 56, 1066-1076.	1.0	14
22	Environmental impact assessment of a package type IFAS reactor during construction and operational phases: a life cycle approach. <i>Water Science and Technology</i> , 2017, 75, 2246-2256.	2.5	14
23	Environmental sustainability assessment of a fixed media based and package type integrated fixed-film activated sludge reactor in India: A damage-oriented approach. <i>Journal of Cleaner Production</i> , 2020, 250, 119438.	9.3	12
24	Efficacy analysis of a field scale IFAS reactor under different aeration strategies applied at high aeration rates: A statistical comparative analysis for practical feasibility. <i>Journal of Water Process Engineering</i> , 2019, 27, 185-192.	5.6	10
25	Post treatment of UASB effluent by using inorganic coagulants: Role of zeta potential and characterization of solid residue. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 1495-1503.	6.7	9
26	Alleviation of toxic hexavalent chromium using indigenous aerobic bacteria isolated from contaminated tannery industry sites. <i>Preparative Biochemistry and Biotechnology</i> , 2016, 46, 517-523.	1.9	9
27	Investigations on air quality of a critically polluted industrial city using multivariate statistical methods: Way forward for future sustainability. <i>Chemosphere</i> , 2022, 291, 133024.	8.2	9
28	Substrate removal kinetics and performance assessment of a vermifilter bioreactor under organic shock load conditions. <i>Water Science and Technology</i> , 2016, 74, 1177-1184.	2.5	6
29	Bioreactor and bioprocess technology for bioremediation of domestic and municipal wastewater. , 2020, , 251-273.		5
30	Sulfide Production Control in UASB Reactor by Addition of Iron Salt. <i>Journal of Environmental Engineering, ASCE</i> , 2015, 141, 06014008.	1.4	4
31	Adsorption of F on Bio-Filter sorbent: kinetics, equilibrium, and thermodynamic study. <i>Desalination and Water Treatment</i> , 2015, 56, 463-474.	1.0	3
32	Municipal Wastewater Treatment Using <i>Moringa oleifera</i> Seed and Press Cake Powder: A Comparative Analysis. <i>Clean - Soil, Air, Water</i> , 2023, 51, .	1.1	2
33	Bacterial Production of Organic Acids and Subsequent Metabolism. , 2020, , 153-173.		1
34	Metabolic Products of Mixed Culture Fermentation. , 2020, , 75-92.		0