

Pankaj Kumar

List of Publications by Year in descending order

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34
papers

706
citations

430754

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34
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514
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of heavy metals uptake by cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i>) grown in integrated industrial effluent irrigated soils: A prediction modeling study. <i>Scientia Horticulturae</i> , 2019, 257, 108682.	1.7	52
2	Bioethanol production from sesame (<i>Sesamum indicum</i> L.) plant residue by combined physical, microbial and chemical pretreatments. <i>Bioresource Technology</i> , 2020, 297, 122484.	4.8	52
3	Heavy metal uptake by water lettuce (<i>Pistia stratiotes</i> L.) from paper mill effluent (PME): experimental and prediction modeling studies. <i>Environmental Science and Pollution Research</i> , 2019, 26, 14400-14413.	2.7	40
4	Phytoremediation of copper, iron and mercury from aqueous solution by water lettuce (<i>Pistia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	1.4	40
5	Understanding the impacts of the COVID-19 pandemic on sustainable agri-food system and agroecosystem decarbonization nexus: A review. <i>Journal of Cleaner Production</i> , 2021, 318, 128451.	4.6	40
6	Optimization of PGPR and silicon fertilization using response surface methodology for enhanced growth, yield and biochemical parameters of French bean (<i>Phaseolus vulgaris</i> L.) under saline stress. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 23, 101463.	1.5	39
7	Insights into hazardous solid waste generation during COVID-19 pandemic and sustainable management approaches for developing countries. <i>Journal of Material Cycles and Waste Management</i> , 2021, 23, 2077-2086.	1.6	36
8	Potential of water fern (<i>Azolla pinnata</i> R.Br.) in phytoremediation of integrated industrial effluent of SIIDCUL, Haridwar, India: removal of physicochemical and heavy metal pollutants. <i>International Journal of Phytoremediation</i> , 2020, 22, 392-403.	1.7	31
9	Anaerobic digestion of <i>Azolla pinnata</i> biomass grown in integrated industrial effluent for enhanced biogas production and COD reduction: Optimization and kinetics studies. <i>Environmental Technology and Innovation</i> , 2020, 17, 100627.	3.0	30
10	Response surface methodology based electro-kinetic modeling of biological and chemical oxygen demand removal from sugar mill effluent by water hyacinth (<i>Eichhornia crassipes</i>) in a Continuous Stirred Tank Reactor (CSTR). <i>Environmental Technology and Innovation</i> , 2019, 14, 100327.	3.0	28
11	Biotransforming the Spent Substrate of Shiitake Mushroom (<i>Lentinula edodes</i> Berk.): A Synergistic Approach to Biogas Production and Tomato (<i>Solanum lycopersicum</i> L.) Fertilization. <i>Horticulturae</i> , 2022, 8, 479.	1.2	27
12	Monitoring the presence and persistence of SARS-CoV-2 in water-food-environmental compartments: State of the knowledge and research needs. <i>Environmental Research</i> , 2021, 200, 111373.	3.7	24
13	Sustainable Use of Sewage Sludge as a Casing Material for Button Mushroom (<i>Agaricus bisporus</i>) Cultivation: Experimental and Prediction Modeling Studies for Uptake of Metal Elements. <i>Journal of Fungi</i> (Basel, Switzerland), 2022, 8, 112.	1.5	24
14	Spatial Assessment of Potentially Toxic Elements (PTE) Concentration in <i>Agaricus bisporus</i> Mushroom Collected from Local Vegetable Markets of Uttarakhand State, India. <i>Journal of Fungi</i> (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 217	1.4	24
15	Kinetic Studies on Delignification and Heavy Metals Uptake by Shiitake (<i>Lentinula edodes</i>) Mushroom Cultivated on Agro-Industrial Wastes. <i>Horticulturae</i> , 2022, 8, 316.	1.2	23
16	Experimental and Kinetics Studies for Biogas Production Using Water Hyacinth (<i>Eichhornia crassipes</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	1.8	22
17	An experimental investigation on phytoremediation performance of water lettuce (<i>Pistia</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 93, 1543-1553.	1.3	21
18	Electrokinetic assisted anaerobic digestion of spent mushroom substrate supplemented with sugar mill wastewater for enhanced biogas production. <i>Renewable Energy</i> , 2021, 179, 418-426.	4.3	20

#	ARTICLE	IF	CITATIONS
19	Integrated use of treated dairy wastewater and agro-residue for <i>Agaricus bisporus</i> mushroom cultivation: Experimental and kinetics studies. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 32, 101940.	1.5	19
20	Use of sugar mill wastewater for <i>Agaricus bisporus</i> cultivation: prediction models for trace metal uptake and health risk assessment. <i>Environmental Science and Pollution Research</i> , 2021, 28, 26923-26934.	2.7	15
21	Regression models for removal of heavy metals by water hyacinth (<i>Eichhornia crassipes</i>) from wastewater of pulp and paper processing industry. <i>Environmental Sustainability</i> , 2020, 3, 35-44.	1.4	14
22	Predicting heavy metals uptake by spinach (<i>Spinacia oleracea</i>) grown in integrated industrial wastewater irrigated soils of Haridwar, India. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 709.	1.3	14
23	Effects of treated sugar mill effluent and rice straw on substrate properties under milky mushroom (<i>Calocybe indica</i> P&C) production: Nutrient utilization and growth kinetics studies. <i>Environmental Technology and Innovation</i> , 2020, 19, 101041.	3.0	10
24	A safe haven of SARS-CoV-2 in the environment: Prevalence and potential transmission risks in the effluent, sludge, and biosolids. <i>Geoscience Frontiers</i> , 2022, 13, 101373.	4.3	9
25	Sustainable Upcycling of Mushroom Farm Wastewater through Cultivation of Two Water Ferns (<i>Azolla</i> spp.) in Stagnant and Flowing Tank Reactors. <i>Horticulturae</i> , 2022, 8, 506.	1.2	9
26	Modeling of water hyacinth growth and its role in heavy metals accumulation from unoperated old Ganga canal at Haridwar, India. <i>Rendiconti Lincei</i> , 0, , 1.	1.0	7
27	Occurrence and Health Risk Assessment of Cadmium Accumulation in Three <i>Tricholoma</i> Mushroom Species Collected from Wild Habitats of Central and Coastal Croatia. <i>Journal of Fungi (Basel)</i> , Tj ETQq1 1 0.784314rgBT /Overlock 10		
28	Kinetics of nutrients remediation from sugar industry effluent-treated substrate using <i>Agaricus bisporus</i> : mushroom yield and biochemical potentials. <i>3 Biotech</i> , 2021, 11, 164.	1.1	6
29	Experimental and optimization studies on phycoremediation of dairy wastewater and biomass production efficiency of <i>Chlorella vulgaris</i> isolated from Ganga River, Haridwar, India. <i>Environmental Science and Pollution Research</i> , 2022, 29, 74643-74654.	2.7	6
30	Modeling of mineral elements uptake and localization in cabbage inflorescence (<i>Brassica oleracea</i> var.) Tj ETQq0 0 0 rgBT /Overlock 10 T 2021, 193, 586.	1.3	5
31	Foliar use of TiO ₂ -nanoparticles for okra (<i>Abelmoschus esculentus</i> L. Moench) cultivation on sewage sludge-amended soils: biochemical response and heavy metal accumulation. <i>Environmental Science and Pollution Research</i> , 2022, 29, 66507-66518.	2.7	5
32	Combined Use of Sewage Sludge and Plant Growth-Promoting Rhizobia Improves Germination, Biochemical Response and Yield of Ridge Gourd (<i>Luffa acutangula</i> (L.) Roxb.) under Field Conditions. <i>Agriculture (Switzerland)</i> , 2022, 12, 173.	1.4	3
33	Kinetic assessment of aerobic composting of flower waste generated from temple in Jammu, India: a lab-scale experimental study. <i>Environmental Sustainability</i> , 2021, 4, 393-400.	1.4	2
34	Effect of supplementing biochar obtained from different wastes on biochemical and yield response of French bean (<i>Phaseolus vulgaris</i> L.): An experimental study. <i>Biocatalysis and Agricultural Biotechnology</i> , 2022, 43, 102432.	1.5	2