

Sunil Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

231
papers

10,113
citations

28274

55
h-index

48315

88
g-index

236
all docs

236
docs citations

236
times ranked

8113
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic waste pollution and the COVID-19 pandemic. <i>Environmental Chemistry Letters</i> , 2022, 20, 971-974.	16.2	14
2	Toxicity-removal efficiency of <i>Brassica juncea</i> , <i>Chrysopogon zizanioides</i> and <i>Pistia stratiotes</i> to decontaminate biomedical ash under non-chelating and chelating conditions: A pilot- scale phytoextraction study. <i>Chemosphere</i> , 2022, 287, 132416.	8.2	0
3	Reduction of chemical oxygen demand through electrocoagulation: an exclusive study for hazardous waste landfill leachate. <i>Environmental Science and Pollution Research</i> , 2022, 29, 7583-7594.	5.3	6
4	A state-of-the-art review on microbial desalination cells. <i>Chemosphere</i> , 2022, 288, 132386.	8.2	17
5	Biochar as environmental armour and its diverse role towards protecting soil, water and air. <i>Science of the Total Environment</i> , 2022, 806, 150444.	8.0	63
6	Microbial fuel cells for bioelectricity production from waste as sustainable prospect of future energy sector. <i>Chemosphere</i> , 2022, 287, 132285.	8.2	62
7	Challenges and opportunities in bioremediation of micro-nano plastics: A review. <i>Science of the Total Environment</i> , 2022, 802, 149823.	8.0	109
8	Upgrading the value of anaerobic fermentation via renewable chemicals production: A sustainable integration for circular bioeconomy. <i>Science of the Total Environment</i> , 2022, 806, 150312.	8.0	39
9	Enrichment of primary macronutrients in biochar for sustainable agriculture: A review. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 1449-1490.	12.8	39
10	Eco-innovations and sustainability in solid waste management: An indian upfront in technological, organizational, start-ups and financial framework. <i>Journal of Environmental Management</i> , 2022, 302, 113953.	7.8	30
11	Antimony contamination and its risk management in complex environmental settings: A review. <i>Environment International</i> , 2022, 158, 106908.	10.0	125
12	Solid waste management during COVID-19 pandemic: Recovery techniques and responses. <i>Chemosphere</i> , 2022, 288, 132451.	8.2	72
13	Fundamental understanding of microbial fuel cell technology: Recent development and challenges. <i>Chemosphere</i> , 2022, 288, 132446.	8.2	36
14	Advances in development of biodegradable food packaging material from agricultural and agro-industry waste. <i>Journal of Food Process Engineering</i> , 2022, 45, e13930.	2.9	14
15	Estimation of spontaneous waste ignition time for prevention and control of landfill fire. <i>Waste Management</i> , 2022, 139, 258-268.	7.4	17
16	Emerging microalgae-based technologies in biorefinery and risk assessment issues: Bioeconomy for sustainable development. <i>Science of the Total Environment</i> , 2022, 813, 152417.	8.0	22
17	Synergistic optimization of electrocoagulation process parameters using response surface methodology for treatment of hazardous waste landfill leachate. <i>Chemosphere</i> , 2022, 290, 133255.	8.2	14
18	Biotechnological strategies for bio-transforming biosolid into resources toward circular bio-economy: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 156, 111987.	16.4	51

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19	Remediation of noxious wastewater using nanohybrid adsorbent for preventing water pollution. <i>Chemosphere</i> , 2022, 292, 133380.	8.2	12
20	An approach for integrating sustainable development goals (SDGs) through organic waste management. , 2022, , 331-350.		1
21	Open dumping of organic waste: Associated fire, environmental pollution and health hazards. , 2022, , 15-31.		9
22	Evaluation of bio-hydrogen production using rice straw hydrolysate extracted by acid and alkali hydrolysis. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 37385-37393.	7.1	10
23	Current status of available techniques for removal of heavy metal contamination in the river ecosystem. , 2022, , 217-234.		1
24	Identification of heavy metals tolerant <i>Brevundimonas</i> sp. from rhizospheric zone of <i>Saccharum munja</i> L. and their efficacy in in-situ phytoremediation. <i>Chemosphere</i> , 2022, 295, 133823.	8.2	29
25	Co-digestion of municipal solid waste with lignocellulosic waste in mesophilic Environment. <i>Chemosphere</i> , 2022, 295, 133852.	8.2	3
26	Assessment of polybrominated diphenyl ether contamination and associated human exposure risk at municipal waste dumping sites. <i>Environmental Geochemistry and Health</i> , 2022, 44, 4437-4453.	3.4	2
27	Health risk assessment for exposure to heavy metals in soils in and around E-waste dumping site. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107269.	6.7	28
28	Phytocapping technology for sustainable management of contaminated sites: case studies, challenges, and future prospects. , 2022, , 601-616.		5
29	Multi-criteria research lines on livestock manure biorefinery development towards a circular economy: From the perspective of a life cycle assessment and business models strategies. <i>Journal of Cleaner Production</i> , 2022, 341, 130862.	9.3	64
30	Field study on the effect of vegetation on the performance of soil methanotrophy-based engineered systems “ Column experiments. <i>Soil Biology and Biochemistry</i> , 2022, 167, 108583.	8.8	3
31	Bioprospecting culturable and unculturable microbial consortia through metagenomics for bioremediation. , 2022, 2, 100017.		14
32	Characterization of organophosphate pesticide sorption of potato peel biochar as low cost adsorbent for chlorpyrifos removal. <i>Chemosphere</i> , 2022, 297, 134112.	8.2	25
33	Role of microbes in bioaccumulation of heavy metals in municipal solid waste: Impacts on plant and human being. <i>Environmental Pollution</i> , 2022, 305, 119248.	7.5	32
34	Evaluation of pyrolysis and gasification of distillery sludge and bio-compost mixed with coal. <i>Fuel</i> , 2022, 319, 123750.	6.4	10
35	Mechano-chemical and biological energetics of immobilized enzymes onto functionalized polymers and their applications. <i>Bioengineered</i> , 2022, 13, 10518-10539.	3.2	9
36	Mask consumption and biomedical waste generation rate during Covid-19 pandemic: A case study of central India. <i>Environmental Research</i> , 2022, 212, 113363.	7.5	16

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37	Life-cycle assessment approach for municipal solid waste management system of Delhi city. <i>Environmental Research</i> , 2022, 212, 113424.	7.5	19
38	Experimental investigation on utilization of distillery sludge mixed with coal as a Low-grade fuel in brick kiln industry and product analysis. <i>Fuel</i> , 2022, 324, 124467.	6.4	0
39	Circular economy-based environmental management using biochar: Driving towards sustainability. <i>Chemical Engineering Research and Design</i> , 2022, 163, 585-600.	5.6	33
40	Emission characteristics for combustion of sludge with coal in a grate furnace aimed at boiler application. <i>Fuel</i> , 2022, 324, 124598.	6.4	6
41	Polybrominated diphenyl ethers (PBDEs) in Indian wastewater treatment plant: Occurrence, mass flow and removal. <i>Chemosphere</i> , 2022, 303, 135055.	8.2	8
42	Cold plasma in food processing and preservation: A review. <i>Journal of Food Process Engineering</i> , 2022, 45, .	2.9	19
43	Biorefinery of anaerobic digestate in a circular bioeconomy: Opportunities, challenges and perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 166, 112642.	16.4	28
44	E-waste in Information and Communication Technology Sector: Existing scenario, management schemes and initiatives. <i>Environmental Technology and Innovation</i> , 2022, 27, 102797.	6.1	25
45	Food waste and soybean curd residue composting by black soldier fly. <i>Environmental Research</i> , 2022, 214, 113792.	7.5	10
46	Bioactive compounds, nutritional benefits and food applications of colored wheat: a comprehensive review. <i>Critical Reviews in Food Science and Nutrition</i> , 2021, 61, 3197-3210.	10.3	65
47	Shift of microbial community structure by substrate level in dynamic membrane bioreactor for biohydrogen production. <i>International Journal of Energy Research</i> , 2021, 45, 17408-17416.	4.5	12
48	Carbon material as a sustainable alternative towards boosting properties of urban soil and foster plant growth. <i>Science of the Total Environment</i> , 2021, 751, 141659.	8.0	23
49	Lignin valorization by bacterial genus <i>Pseudomonas</i> : State-of-the-art review and prospects. <i>Bioresource Technology</i> , 2021, 320, 124412.	9.6	60
50	Exploring the synergic effect of fly ash and garbage enzymes on biotransformation of organic wastes in in-vessel composting system. <i>Bioresource Technology</i> , 2021, 322, 124557.	9.6	27
51	Pyrolysis of waste biomass and plastics for production of biochar and its use for removal of heavy metals from aqueous solution. <i>Bioresource Technology</i> , 2021, 320, 124278.	9.6	105
52	A systematic review on options for sustainable treatment and resource recovery of distillery sludge. <i>Chemosphere</i> , 2021, 263, 128225.	8.2	6
53	Circular Bioeconomy: Countriesâ€™ Case Studies. , 2021, , 721-748.		3
54	Forecasting of municipal solid waste generation using non-linear autoregressive (NAR) neural models. <i>Waste Management</i> , 2021, 121, 206-214.	7.4	44

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55	Ecological restoration of coal fly ash“dumped area through bamboo plantation. Environmental Science and Pollution Research, 2021, 28, 33416-33432.	5.3	21
56	Co-combustion of distillery sludge and coal for application in boiler and subsequent utilization of the generated bottom ash. Environmental Science and Pollution Research, 2021, 28, 36742-36752.	5.3	2
57	Application of remote sensing for assessment of change in vegetation cover and the subsequent impact on climatic variables. Environmental Science and Pollution Research, 2021, 28, 41675-41687.	5.3	8
58	Engineering interventions in enzyme production: Lab to industrial scale. Bioresource Technology, 2021, 326, 124771.	9.6	31
59	Combustion of distillery sludge mixed with coal in a drop tube furnace and emission characteristics. Energy, 2021, 221, 119871.	8.8	14
60	Role of microbial community and metal-binding proteins in phytoremediation of heavy metals from industrial wastewater. Bioresource Technology, 2021, 326, 124750.	9.6	84
61	Harnessing fruit waste for poly-3-hydroxybutyrate production: A review. Bioresource Technology, 2021, 326, 124734.	9.6	38
62	Structural characterization of LDPE films to analyse the impact of heavy metals and effect of UV pre-treatment on polymer degradation. Journal of Cleaner Production, 2021, 298, 126670.	9.3	4
63	Current research trends on micro- and nano-plastics as an emerging threat to global environment: A review. Journal of Hazardous Materials, 2021, 409, 124967.	12.4	147
64	A laboratory-scale phytocover system for municipal solid waste landfills. Environmental Technology (United Kingdom), 2021, , 1-12.	2.2	2
65	Traditional System Versus DNA Barcoding in Identification of Bamboo Species: A Systematic Review. Molecular Biotechnology, 2021, 63, 651-675.	2.4	21
66	E-waste management and its effects on the environment and human health. Science of the Total Environment, 2021, 773, 145623.	8.0	159
67	Are microplastics destabilizing the global network of terrestrial and aquatic ecosystem services?. Environmental Research, 2021, 198, 111243.	7.5	77
68	Technologies for disinfection of food grains: Advances and way forward. Food Research International, 2021, 145, 110396.	6.2	25
69	Kinetic and thermodynamic investigations of sewage sludge biochar in removal of Remazol Brilliant Blue R dye from aqueous solution and evaluation of residual dyes cytotoxicity. Environmental Technology and Innovation, 2021, 23, 101556.	6.1	58
70	Enhancement effect of zero-valent iron nanoparticle and iron oxide nanoparticles on dark fermentative hydrogen production from molasses-based distillery wastewater. International Journal of Hydrogen Energy, 2021, 46, 29812-29821.	7.1	25
71	Geophysical techniques for characterisation of municipal solid waste landfills. Proceedings of Institution of Civil Engineers: Waste and Resource Management, 2021, 174, 78-96.	0.8	2
72	Evaluation of soil contamination due to crude E-waste recycling activities in the capital city of India. Chemical Engineering Research and Design, 2021, 152, 641-653.	5.6	39

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73	Bioremediated techniques for remediation of metal pollutants using metagenomics approaches: A review. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105684.	6.7	71
74	Evaluation of distillery sludge as a soil amendment for improving soil quality and sugarcane (CO-265) yield. <i>Environmental Technology and Innovation</i> , 2021, 23, 101624.	6.1	3
75	Urban mining of obsolete computers by manual dismantling and waste printed circuit boards by chemical leaching and toxicity assessment of its waste residues. <i>Environmental Pollution</i> , 2021, 283, 117033.	7.5	25
76	Aerobic degradation of decabrominated diphenyl ether through a novel bacterium isolated from municipal waste dumping site: Identification, degradation and metabolic pathway. <i>Bioresource Technology</i> , 2021, 333, 125208.	9.6	10
77	A study of moisture dependent changes in engineering properties and debranning characteristics of purple wheat. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e15916.	2.0	6
78	Improved bio-hydrogen production by overexpression of glucose-6-phosphate dehydrogenase and FeFe hydrogenase in <i>Clostridium acetobutylicum</i> . <i>International Journal of Hydrogen Energy</i> , 2021, 46, 36687-36695.	7.1	16
79	Utilization of Plastic Wastes for Sustainable Environmental Management: A Review. <i>ChemSusChem</i> , 2021, 14, 3985-4006.	6.8	46
80	Determination of landfill gas generation potential from lignocellulose biomass contents of municipal solid waste. <i>Science of the Total Environment</i> , 2021, 785, 147243.	8.0	25
81	Rapid-in-house composting of organic solid wastes with fly ash supplementation: Performance evaluation at thermophilic exposures. <i>Bioresource Technology</i> , 2021, 337, 125386.	9.6	15
82	Remediation of soils and sediments polluted with polycyclic aromatic hydrocarbons: To immobilize, mobilize, or degrade?. <i>Journal of Hazardous Materials</i> , 2021, 420, 126534.	12.4	150
83	Removal of crystal violet by Cu-chitosan nano-biocomposite particles using Boxâ€ Behnken design. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105847.	6.7	11
84	Characterization and phytotoxicity assessment of organic pollutants in old and fresh municipal solid wastes at open dump site: A case study. <i>Environmental Technology and Innovation</i> , 2021, 24, 101938.	6.1	19
85	Bioremediation of heavy metals from industrial effluents by endophytes and their metabolic activity: Recent advances. <i>Bioresource Technology</i> , 2021, 339, 125589.	9.6	87
86	Industrial wastewater treatment: Current trends, bottlenecks, and best practices. <i>Chemosphere</i> , 2021, 285, 131245.	8.2	85
87	Solid waste and wastewater management: A social and global perspective. , 2021, , 1-22.		1
88	Apple orchard waste recycling and valorization of valuable product-A review. <i>Bioengineered</i> , 2021, 12, 476-495.	3.2	55
89	New generation technologies for solid waste management. , 2021, , 77-106.		3
90	Ultrasound and microwaveâ€ assisted solvent extraction of mango kernel oil and evaluation of physicochemical properties and fatty acid profile. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e16090.	2.0	8

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91	Nanofluid research advances: Preparation, characteristics and applications in food processing. Food Research International, 2021, 150, 110751.	6.2	11
92	Industrial wastewater purification through metal pollution reduction employing microbes and magnetic nanocomposites. Journal of Environmental Chemical Engineering, 2021, 9, 106673.	6.7	19
93	Monitoring of Land Use/Land Cover Changes by the Application of GIS for Disposal of Solid Waste: A Case Study of Proposed Smart Cities in Bihar. Lecture Notes in Civil Engineering, 2021, , 253-262.	0.4	0
94	Resource recovery and circular economy from organic solid waste using aerobic and anaerobic digestion technologies. Bioresource Technology, 2020, 301, 122778.	9.6	305
95	Treatment of urban municipal landfill leachate utilizing garbage enzyme. Bioresource Technology, 2020, 297, 122437.	9.6	44
96	Efficient removal of arsenic using plastic waste char: Prevailing mechanism and sorption performance. Journal of Water Process Engineering, 2020, 33, 101095.	5.6	44
97	Changes in global trends in food waste composting: Research challenges and opportunities. Bioresource Technology, 2020, 299, 122555.	9.6	161
98	Sorption of volatile organic compounds on non-activated biochar. Bioresource Technology, 2020, 297, 122469.	9.6	74
99	Novel oil extraction technologies: Process conditions, quality parameters, and optimization. Comprehensive Reviews in Food Science and Food Safety, 2020, 19, 3-20.	11.7	118
100	Estimation of heat generation and consequent temperature rise from nutrients like carbohydrates, proteins and fats in municipal solid waste landfills in India. Science of the Total Environment, 2020, 707, 135610.	8.0	13
101	Eco-rejuvenation of degraded land by microbe assisted bamboo plantation. Industrial Crops and Products, 2020, 155, 112795.	5.2	25
102	Physicochemical characteristics, bioactive compounds and industrial applications of mango kernel and its products: A review. Comprehensive Reviews in Food Science and Food Safety, 2020, 19, 2421-2446.	11.7	66
103	Specific heat and thermal conductivity of municipal solid waste and its effect on landfill fires. Waste Management, 2020, 116, 120-130.	7.4	18
104	Reaction Kinetic Analysis of Manganese Peroxidase Augmented Aerobic Waste Degradation. Journal of Hazardous, Toxic, and Radioactive Waste, 2020, 24, 04020043.	2.0	2
105	Bioleaching: urban mining option to curb the menace of E-waste challenge. Bioengineered, 2020, 11, 640-660.	3.2	79
106	Commercial clustering of sustainable bamboo species in India. Industrial Crops and Products, 2020, 154, 112693.	5.2	47
107	Impact of 5-hydroxy methyl furfural on continuous hydrogen production from galactose and glucose feedstock with periodic recovery. International Journal of Hydrogen Energy, 2020, 45, 19045-19051.	7.1	3
108	Collegial effect of maggots larvae and garbage enzyme in rapid composting of food waste with wheat straw or biomass waste. Journal of Cleaner Production, 2020, 258, 120854.	9.3	30

#	ARTICLE	IF	CITATIONS
109	Efficacy of sensor assisted vacuum hermetic storage against chemical fumigated wheat. Journal of Stored Products Research, 2020, 88, 101640.	2.6	10
110	Fabrication, functionalization and performance of doped photocatalysts for dye degradation and mineralization: a review. Environmental Chemistry Letters, 2020, 18, 1825-1903.	16.2	49
111	E-waste in India at a glance: Current trends, regulations, challenges and management strategies. Journal of Cleaner Production, 2020, 271, 122707.	9.3	153
112	Succession of keratin-degrading bacteria and associated health risks during pig manure composting. Journal of Cleaner Production, 2020, 258, 120624.	9.3	33
113	Hydrothermal liquefaction of biogenic municipal solid waste under reduced H ₂ atmosphere in biorefinery format. Bioresource Technology, 2020, 310, 123369.	9.6	49
114	Characterization of distillery sludge for its thermal properties and ascertaining its utilization as a low-cost fuel. Journal of Cleaner Production, 2020, 259, 120872.	9.3	17
115	Bio-hydrogen and bio-methane potential analysis for production of bio-hythane using various agricultural residues. Bioresource Technology, 2020, 309, 123297.	9.6	31
116	Waste based hydrogen production for circular bioeconomy: Current status and future directions. Bioresource Technology, 2020, 302, 122920.	9.6	98
117	Major insects of stored food grains. International Journal of Chemical Studies, 2020, 8, 2380-2384.	0.1	21
118	Advanced oxidation processes for treatment of leachate from hazardous waste landfill: A critical review. Journal of Cleaner Production, 2019, 237, 117639.	9.3	188
119	Mining for Recovery as an Option for Dumpsite Rehabilitation: A Case Study from Nagpur, India. Journal of Environmental Engineering and Science, 2019, , 1-9.	0.8	4
120	Production of biofuel precursors and value-added chemicals from hydrolysates resulting from hydrothermal processing of biomass: A review. Biomass and Bioenergy, 2019, 130, 105397.	5.7	62
121	Environmental quality monitoring and impact assessment of solid waste dumpsites in high altitude sub-tropical regions. Journal of Environmental Management, 2019, 252, 109681.	7.8	21
122	Enhanced nodulation and higher germination using sludge ash as a carrier for biofertilizer production. Journal of Environmental Management, 2019, 250, 109523.	7.8	19
123	Fly ash as an additive for enhancing microbial and enzymatic activities in in-vessel composting of organic wastes. Bioresource Technology, 2019, 293, 122047.	9.6	37
124	Bio-Hythane production from organic fraction of municipal solid waste in single and two stage anaerobic digestion processes. Bioresource Technology, 2019, 294, 122220.	9.6	17
125	Determination of ignition temperature of municipal solid waste for understanding surface and sub-surface landfill fire. Waste Management, 2019, 97, 123-130.	7.4	23
126	Biodegradation of methylene blue dye in a batch and continuous mode using biochar as packing media. Environmental Research, 2019, 171, 356-364.	7.5	163

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127	Current Developments in Biotechnology and Bioengineering and Waste Treatment Processes for Energy Generation. , 2019, , 1-9.		11
128	Waste Treatment Processes/Technologies for Energy Recovery. , 2019, , 53-77.		14
129	The Concept of Energy-Efficient Residential Block Design. , 2019, , 185-210.		0
130	Energy-Aware Intelligence in Megacities. , 2019, , 211-238.		23
131	Constructed wetland for wastewater reuse: Role and efficiency in removing enteric pathogens. Journal of Environmental Management, 2019, 246, 444-461.	7.8	61
132	Life cycle assessment of municipal solid waste management options for India. Bioresource Technology, 2019, 288, 121515.	9.6	86
133	Studies on cocopeat, sawdust and dried cow dung as desiccant for evaporative cooling system. Renewable Energy, 2019, 142, 295-303.	8.9	15
134	Anaerobic digestion of biowastes in India: Opportunities, challenges and research needs. Journal of Environmental Management, 2019, 236, 396-412.	7.8	73
135	Application of life cycle assessment in municipal solid waste management: A worldwide critical review. Journal of Cleaner Production, 2019, 209, 630-654.	9.3	252
136	Challenges associated with plastic waste disposal and allied microbial routes for its effective degradation: A comprehensive review. Journal of Cleaner Production, 2019, 208, 65-76.	9.3	224
137	Emission from open burning of municipal solid waste in India. Environmental Technology (United Kingdom), 2019, 40, 2242-2249.	2.2	9
138	Phytocapping: an alternate cover option for municipal solid waste landfills. Environmental Technology (United Kingdom), 2019, 40, 2242-2249.	2.2	9
139	Waste-Reduction Techniques in Fresh Produce. , 2019, , 241-278.		1
140	Biomethanation potential for co-digestion of municipal solid waste and rice straw: A batch study. Bioresource Technology, 2018, 254, 139-144.	9.6	58
141	Process improvement through Lean-Kaizen using value stream map: a case study in India. International Journal of Advanced Manufacturing Technology, 2018, 96, 2687-2698.	3.0	64
142	Towards developing a representative biochemical methane potential (BMP) assay for landfilled municipal solid waste – A review. Bioresource Technology, 2018, 254, 312-324.	9.6	52
143	Methane potential from municipal biowaste: Insights from six communities in Maharashtra, India. Bioresource Technology, 2018, 254, 224-230.	9.6	13
144	Improving methane yield and quality via co-digestion of cow dung mixed with food waste. Bioresource Technology, 2018, 251, 259-263.	9.6	41

#	ARTICLE	IF	CITATIONS
145	Effect of bulking agents and cow dung as inoculant on vegetable waste compost quality. <i>Bioresource Technology</i> , 2018, 252, 83-90.	9.6	60
146	Effect of biochar on bio-electrochemical dye degradation and energy production. <i>Bioresource Technology</i> , 2018, 251, 165-170.	9.6	39
147	Bioremediation and detoxification of industrial wastes by earthworms: Vermicompost as powerful crop nutrient in sustainable agriculture. <i>Bioresource Technology</i> , 2018, 252, 172-179.	9.6	150
148	Removal enactment of organo-phosphorous pesticide using bacteria isolated from domestic sewage. <i>Bioresource Technology</i> , 2018, 263, 280-288.	9.6	43
149	Biodegradation of food waste using microbial cultures producing thermostable α -amylase and cellulase under different pH and temperature. <i>Bioresource Technology</i> , 2018, 248, 160-170.	9.6	89
150	Synergistic effect of fly ash in in-vessel composting of biomass and kitchen waste. <i>Bioresource Technology</i> , 2018, 251, 114-120.	9.6	31
151	Mitigation of Global Warming Potential for Cleaner Composting. <i>Energy, Environment, and Sustainability</i> , 2018, , 271-305.	1.0	1
152	Biotransformation of flower waste composting: Optimization of waste combinations using response surface methodology. <i>Bioresource Technology</i> , 2018, 270, 198-207.	9.6	34
153	Rapid composting techniques in Indian context and utilization of black soldier fly for enhanced decomposition of biodegradable wastes - A comprehensive review. <i>Journal of Environmental Management</i> , 2018, 227, 189-199.	7.8	58
154	Role of sawdust and cow dung on compost maturity during rotary drum composting of flower waste. <i>Bioresource Technology</i> , 2018, 264, 285-289.	9.6	56
155	Kaizen Selection for Continuous Improvement through VSM-Fuzzy-TOPSIS in Small-Scale Enterprises: An Indian Case Study. <i>Advances in Fuzzy Systems</i> , 2018, 2018, 1-10.	0.9	8
156	Vacuum Hermetic Fumigation: A review. <i>Journal of Stored Products Research</i> , 2017, 71, 47-56.	2.6	27
157	Aerated biofilters with multiple-level air injection configurations to enhance biological treatment of methane emissions. <i>Bioresource Technology</i> , 2017, 239, 219-225.	9.6	24
158	Challenges and opportunities associated with waste management in India. <i>Royal Society Open Science</i> , 2017, 4, 160764.	2.4	358
159	Co-composting of vegetable wastes and carton: Effect of carton composition and parameter variations. <i>Bioresource Technology</i> , 2017, 227, 171-178.	9.6	56
160	A review on organic waste to energy systems in India. <i>Bioresource Technology</i> , 2017, 245, 1229-1237.	9.6	92
161	Inhibitory effects of acidic pH and confounding effects of moisture content on methane biofiltration. <i>Bioresource Technology</i> , 2017, 245, 633-640.	9.6	11
162	Effects of biochar amendment on bacterial and fungal diversity for co-composting of gelatin industry sludge mixed with organic fraction of municipal solid waste. <i>Bioresource Technology</i> , 2017, 246, 214-223.	9.6	68

#	ARTICLE	IF	CITATIONS
163	Critical factors responsible for fungi growth in stored food grains and non-Chemical approaches for their control. <i>Industrial Crops and Products</i> , 2017, 108, 162-182.	5.2	69
164	Comparison of Hermetic Storage of Wheat with Traditional Storage Methods in India. <i>Applied Engineering in Agriculture</i> , 2017, 33, 121-130.	0.7	12
165	IMPLEMENTATION OF THE LEAN-KAIZEN APPROACH IN FASTENER INDUSTRIES USING THE DATA ENVELOPMENT ANALYSIS. <i>Facta Universitatis, Series: Mechanical Engineering</i> , 2017, 15, 145.	4.6	6
166	Waste Characteristics and Generation. , 2016, , 7-34.		2
167	Specific model for the estimation of methane emission from municipal solid waste landfills in India. <i>Bioresource Technology</i> , 2016, 216, 981-987.	9.6	29
168	Effect of calcium chloride on abating inhibition due to volatile fatty acids during the start-up period in anaerobic digestion of municipal solid waste. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 1501-1509.	2.2	19
169	Design and development of indoor device for recycling of domestic vegetable scrap. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 326-334.	2.2	10
170	Artificial neural network based modeling to evaluate methane yield from biogas in a laboratory-scale anaerobic bioreactor. <i>Bioresource Technology</i> , 2016, 217, 90-99.	9.6	101
171	Characterization of municipal solid waste in high-altitude sub-tropical regions. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 2627-2637.	2.2	30
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