

Ashok Pandey

List of Publications by Year in descending order

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Version: 2024-02-01

507
papers

38,325
citations

2802

94
h-index

4548

171
g-index

528
all docs

528
docs citations

528
times ranked

27292
citing authors

1	Production of microalgae with high lipid content and their potential as sources of nutraceuticals. <i>Phytochemistry Reviews</i> , 2023, 22, 833-860.	6.5	38
2	Microalgae-based carbon capture and utilization: A critical review on current system developments and biomass utilization. <i>Critical Reviews in Environmental Science and Technology</i> , 2023, 53, 216-238.	12.8	28
3	Sustainable microalgal biomass production in food industry wastewater for low-cost biorefinery products: a review. <i>Phytochemistry Reviews</i> , 2023, 22, 969-991.	6.5	21
4	Biofuel production from microalgae: challenges and chances. <i>Phytochemistry Reviews</i> , 2023, 22, 1089-1126.	6.5	55
5	Neem extractâ€“blended nanocellulose derived from jackfruit peel for antibacterial packagings. <i>Environmental Science and Pollution Research</i> , 2023, 30, 8977-8986.	5.3	4
6	Biosynthesis of (S)-1-(1-naphthyl) ethanol by microbial ketoreductase. <i>Environmental Science and Pollution Research</i> , 2023, 30, 9036-9047.	5.3	3
7	Evolution in mitigation approaches for petroleum oil-polluted environment: recent advances and future directions. <i>Environmental Science and Pollution Research</i> , 2022, 29, 61821-61837.	5.3	14
8	Updates on high value products from cellulosic biorefinery. <i>Fuel</i> , 2022, 308, 122056.	6.4	44
9	Highly efficient bio-adsorption of Malachite green using Chinese Fan-Palm Biochar (Livistona) Tj ETQq1 1 0.784314 rgBT /Overlock 10	8.2	37
10	Sustainable technologies for platform and drop-in chemicals: production and applications. , 2022, , 1-29.		0
11	Challenges and opportunities in bioremediation of micro-nano plastics: A review. <i>Science of the Total Environment</i> , 2022, 802, 149823.	8.0	109
12	Green route for recycling of low-cost waste resources for the biosynthesis of nanoparticles (NPs) and nanomaterials (NMs)-A review. <i>Environmental Research</i> , 2022, 207, 112202.	7.5	32
13	Bioconversion of Glycerol into Biofuelsâ€“Opportunities and Challenges. <i>Bioenergy Research</i> , 2022, 15, 46-61.	3.9	16
14	Advances in solid-state fermentation for bioconversion of agricultural wastes to value-added products: Opportunities and challenges. <i>Bioresource Technology</i> , 2022, 343, 126065.	9.6	144
15	Enzymes Production From Food Waste and Their Application. , 2022, , 293-307.		0
16	Nanocellulose as green material for remediation of hazardous heavy metal contaminants. <i>Journal of Hazardous Materials</i> , 2022, 424, 127516.	12.4	75
17	Microbial bioprocesses for production of nutraceuticals and functional foods. , 2022, , 1-29.		1

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19	Biorefinery aspects for cost-effective production of nanocellulose and high value-added biocomposites. <i>Fuel</i> , 2022, 311, 122575.	6.4	22
20	Characteristics of hydrogen production from steam gasification of plant-originated lignocellulosic biomass and its prospects in Vietnam. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 4394-4425.	7.1	110
21	Chili post-harvest residue-derived nanocellulose composite as a matrix for in vitro cell culture and <i>Hemigraphis colorata</i> blended nanocellulose extends antimicrobial potential. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 25, 100584.	3.3	6
22	Algae biorefinery: A promising approach to promote microalgae industry and waste utilization. <i>Journal of Biotechnology</i> , 2022, 345, 1-16.	3.8	34
23	Current state of the art biotechnological strategies for conversion of watermelon wastes residues to biopolymers production: A review. <i>Chemosphere</i> , 2022, 290, 133310.	8.2	25
24	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
25	Trends in mitigation of industrial waste: Global health hazards, environmental implications and waste derived economy for environmental sustainability. <i>Science of the Total Environment</i> , 2022, 811, 152357.	8.0	60
26	Sustainable biochar: A facile strategy for soil and environmental restoration, energy generation, mitigation of global climate change and circular bioeconomy. <i>Chemosphere</i> , 2022, 293, 133474.	8.2	47
27	Sustainable technologies for the production of sophorolipids from renewable wastes. , 2022, , 275-294.		1
28	Enzymes in seafood processing. , 2022, , 189-204.		1
29	Sustainable production and applications of biochar in circular bioeconomy. , 2022, , 337-361.		0
30	Sustainable processes for treatment and management of seafood solid waste. <i>Science of the Total Environment</i> , 2022, 817, 152951.	8.0	18
31	Agricultural waste biorefinery development towards circular bioeconomy. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 158, 112122.	16.4	94
32	Integrated approaches to mitigate threats from emerging potentially toxic elements: A way forward for sustainable environmental management. <i>Environmental Research</i> , 2022, 209, 112844.	7.5	25
33	Carbon-based catalyst for environmental bioremediation and sustainability: Updates and perspectives on techno-economics and life cycle assessment. <i>Environmental Research</i> , 2022, 209, 112793.	7.5	18
34	Tailored enzymes as next-generation food-packaging tools. <i>Trends in Biotechnology</i> , 2022, 40, 1004-1017.	9.3	10
35	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
36	Composting as a sustainable technology for integrated municipal solid waste management. , 2022, , 23-39.		3

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37	Catalyst-Based Synthesis of 2,5-Dimethylfuran from Carbohydrates as a Sustainable Biofuel Production Route. ACS Sustainable Chemistry and Engineering, 2022, 10, 3079-3115.	6.7	56
38	Multifunctional applications of bamboo crop beyond environmental management: an Indian prospective. Bioengineered, 2022, 13, 8893-8914.	3.2	34
39	Emerging trends of microbial technology for the production of oligosaccharides from biowaste and their potential application as prebiotic. International Journal of Food Microbiology, 2022, 368, 109610.	4.7	19
40	Processing of municipal solid waste resources for a circular economy in China: An overview. Fuel, 2022, 317, 123478.	6.4	67
41	Organic wastes bioremediation and its changing prospects. Science of the Total Environment, 2022, 824, 153889.	8.0	67
42	Enhancement of mechanical and thermal properties of Ixora coccinea L. plant root derived nanocellulose using polyethylene glycol-glutaraldehyde system. Chemosphere, 2022, 298, 134324.	8.2	7
43	Nanocellulose in tissue engineering and bioremediation: mechanism of action. Bioengineered, 2022, 13, 12823-12833.	3.2	5
44	Bioremediation of Endocrine Disrupting Chemicals- Advancements and Challenges. Environmental Research, 2022, 213, 113509.	7.5	14
45	Technoeconomic analysis of biofuel production from marine algae. , 2022, , 627-652.		0
46	Recent Advances in Machine Learning Research for Nanofluid-Based Heat Transfer in Renewable Energy System. Energy & Fuels, 2022, 36, 6626-6658.	5.1	164
47	Sustainable biorefinery approaches towards circular economy for conversion of biowaste to value added materials and future perspectives. Fuel, 2022, 325, 124846.	6.4	45
48	Biobased biorefineries: Sustainable bioprocesses and bioproducts from biomass/bioresources special issue. Renewable and Sustainable Energy Reviews, 2022, 167, 112683.	16.4	12
49	Leads and hurdles to sustainable microbial bioplastic production. Chemosphere, 2022, 305, 135390.	8.2	14
50	Microbial engineering for the production and application of phytases to the treatment of the toxic pollutants: A review. Environmental Pollution, 2022, 308, 119703.	7.5	5
51	Insight into citric acid: A versatile organic acid. Fuel, 2022, 327, 125181.	6.4	18
52	Current status of global warming potential reduction by cleaner composting. Energy and Environment, 2021, 32, 1002-1028.	4.6	3
53	Hazardous minerals mining: Challenges and solutions. Journal of Hazardous Materials, 2021, 402, 123474.	12.4	27
54	Enzyme Technology in Food Processing: Recent Developments and Future Prospects. , 2021, , 191-215.		7

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55	A green biorefinery platform for cost-effective nanocellulose production: investigation of hydrodynamic properties and biodegradability of thin films. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 861-870.	4.6	20
56	Petroleum sludge polluted soil remediation: Integrated approach involving novel bacterial consortium and nutrient application. <i>Science of the Total Environment</i> , 2021, 763, 142934.	8.0	30
57	Solid-state fermentation technology and innovation for the production of agricultural and animal feed bioproducts. <i>Systems Microbiology and Biomanufacturing</i> , 2021, 1, 142-165.	2.9	38
58	Can biochar regulate the fate of heavy metals (Cu and Zn) resistant bacteria community during the poultry manure composting?. <i>Journal of Hazardous Materials</i> , 2021, 406, 124593.	12.4	59
59	Citric acid bioproduction and downstream processing: Status, opportunities, and challenges. <i>Bioresource Technology</i> , 2021, 320, 124426.	9.6	35
60	Recent advances in microbial biosynthesis of C3 & C5 diols: Genetics and process engineering approaches. <i>Bioresource Technology</i> , 2021, 322, 124527.	9.6	25
61	Chlorpyrifos induced proteome remodelling of <i>Pseudomonas nitroreducens</i> AR-3 potentially aid efficient degradation of the pesticide. <i>Environmental Technology and Innovation</i> , 2021, 21, 101307.	6.1	8
62	Thermophilic Chitinases: Structural, Functional and Engineering Attributes for Industrial Applications. <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 142-164.	2.9	19
63	Food waste biorefinery: case study in China for enhancing the emerging bioeconomy. , 2021, , 421-438.		1
64	Bioprospecting of gut microflora for plastic biodegradation. <i>Bioengineered</i> , 2021, 12, 1040-1053.	3.2	16
65	Biomedical applications of microbial polyhydroxyalkanoates. , 2021, , 495-513.		1
66	Thermal/rheological behavior and functional properties of biopolymers and biopolymer composites. , 2021, , 413-438.		0
67	Municipal solid waste biorefineries: A case study in China. , 2021, , 439-457.		6
68	Application of nanoengineered materials for bioenergy production. , 2021, , 333-354.		1
69	Potential Utilisation of Fruit and Vegetable Waste: An Overview. <i>Advances in Science, Technology and Innovation</i> , 2021, , 179-191.	0.4	2
70	Synthesis and Characterization of Transparent Biodegradable Chitosan: Exopolysaccharide Composite Films Plasticized by Bio-Derived 1,3-Propanediol. <i>Sustainable Chemistry</i> , 2021, 2, 49-62.	4.7	2
71	Sugarcane bagasse derived nanocellulose reinforced with frankincense (<i>Boswellia serrata</i>): Physicochemical properties, biodegradability and antimicrobial effect for controlling microbial growth for food packaging application. <i>Environmental Technology and Innovation</i> , 2021, 21, 101335.	6.1	15
72	Bioplastic production from renewable lignocellulosic feedstocks: a review. <i>Reviews in Environmental Science and Biotechnology</i> , 2021, 20, 167-187.	8.1	33

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73	Resource recovery through bioremediation of wastewaters and waste carbon by microalgae: a circular bioeconomy approach. <i>Environmental Science and Pollution Research</i> , 2021, 28, 58837-58856.	5.3	36
74	Sequential presence of heavy metal resistant fungal communities influenced by biochar amendment in the poultry manure composting process. <i>Journal of Cleaner Production</i> , 2021, 291, 125947.	9.3	43
75	Current research trends on micro- and nano-plastics as an emerging threat to global environment: A review. <i>Journal of Hazardous Materials</i> , 2021, 409, 124967.	12.4	147
76	Development of an eco-friendly biodegradable plastic from jack fruit peel cellulose with different plasticizers and <i>Boswellia serrata</i> as filler. <i>Science of the Total Environment</i> , 2021, 767, 144285.	8.0	30
77	Metabolic circuits and gene regulators in polyhydroxyalkanoate producing organisms: Intervention strategies for enhanced production. <i>Bioresource Technology</i> , 2021, 327, 124791.	9.6	14
78	A critical review on various feedstocks as sustainable substrates for biosurfactants production: a way towards cleaner production. <i>Microbial Cell Factories</i> , 2021, 20, 120.	4.0	124
79	Glycerol waste to value added products and its potential applications. <i>Systems Microbiology and Biomanufacturing</i> , 2021, 1, 378-396.	2.9	56
80	Biochar for remediation of agrochemicals and synthetic organic dyes from environmental samples: A review. <i>Chemosphere</i> , 2021, 272, 129917.	8.2	57
81	A critical review on the development stage of biorefinery systems towards the management of apple processing-derived waste. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 143, 110972.	16.4	68
82	Draft genome of the glucose tolerant β -glucosidase producing rare <i>Aspergillus unguis</i> reveals complete cellulolytic machinery with multiple beta-glucosidase genes. <i>Fungal Genetics and Biology</i> , 2021, 151, 103551.	2.1	3
83	Enzymatic approaches in the bioprocessing of shellfish wastes. <i>3 Biotech</i> , 2021, 11, 367.	2.2	12
84	Recent trends in microbial nanoparticle synthesis and potential application in environmental technology: a comprehensive review. <i>Environmental Science and Pollution Research</i> , 2021, 28, 49362-49382.	5.3	18
85	Techno-economics and life-cycle assessment of biological and thermochemical treatment of bio-waste. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 144, 110837.	16.4	77
86	Technologies for disinfection of food grains: Advances and way forward. <i>Food Research International</i> , 2021, 145, 110396.	6.2	25
87	Minimizing hazardous impact of food waste in a circular economy “Advances in resource recovery through green strategies. <i>Journal of Hazardous Materials</i> , 2021, 416, 126154.	12.4	50
88	Advanced biomaterials for sustainable applications in the food industry: Updates and challenges. <i>Environmental Pollution</i> , 2021, 283, 117071.	7.5	40
89	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. <i>Environmental Technology and Innovation</i> , 2021, 23, 101556.	6.1	58
90	Uptake and mobilization of heavy metals through phytoremediation process from native plants species growing on complex pollutants: Antioxidant enzymes and photosynthetic pigments response. <i>Environmental Technology and Innovation</i> , 2021, 23, 101629.	6.1	16

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91	Metal and metal(oids) removal efficiency using genetically engineered microbes: Applications and challenges. Journal of Hazardous Materials, 2021, 416, 125855.	12.4	35
92	Bioremediated techniques for remediation of metal pollutants using metagenomics approaches: A review. Journal of Environmental Chemical Engineering, 2021, 9, 105684.	6.7	71
93	Efficiency of transporter genes and proteins in hyperaccumulator plants for metals tolerance in wastewater treatment: Sustainable technique for metal detoxification. Environmental Technology and Innovation, 2021, 23, 101725.	6.1	32
94	Role of microbial diversity to influence the growth and environmental remediation capacity of bamboo: A review. Industrial Crops and Products, 2021, 167, 113567.	5.2	64
95	Production of fungal endoinulinase in a stirred tank reactor and fructooligosaccharides preparation by crude endoinulinase. Bioresource Technology Reports, 2021, 15, 100743.	2.7	5
96	Potential of nanocellulose for wastewater treatment. Chemosphere, 2021, 281, 130738.	8.2	43
97	Probiotics and gut microbiome ~ Prospects and challenges in remediating heavy metal toxicity. Journal of Hazardous Materials, 2021, 420, 126676.	12.4	56
98	Patterns of heavy metal resistant bacterial community succession influenced by biochar amendment during poultry manure composting. Journal of Hazardous Materials, 2021, 420, 126562.	12.4	58
99	Cleaner technologies to combat heavy metal toxicity. Journal of Environmental Management, 2021, 296, 113231.	7.8	31
100	Sweet sorghum juice as an alternative carbon source and adaptive evolution of Lactobacillus brevis NIE9.3.3 in sweet sorghum juice and biodiesel derived crude glycerol to improve 1, 3 propanediol production. Journal of Environmental Chemical Engineering, 2021, 9, 106086.	6.7	4
101	High yield recovery of 2,3-butanediol from fermented broth accumulated on xylose rich sugarcane bagasse hydrolysate using aqueous two-phase extraction system. Bioresource Technology, 2021, 337, 125463.	9.6	24
102	Pyrolysis of almond (Prunus amygdalus) shells: Kinetic analysis, modelling, energy assessment and technical feasibility studies. Bioresource Technology, 2021, 337, 125466.	9.6	35
103	Technological perspectives for utilisation of waste glycerol for the production of biofuels: A review. Environmental Technology and Innovation, 2021, 24, 101902.	6.1	44
104	Strategies and advances in the pretreatment of microalgal biomass. Journal of Biotechnology, 2021, 341, 63-75.	3.8	24
105	Preparation, characterization and agri applications of biochar produced by pyrolysis of sewage sludge at different temperatures. Science of the Total Environment, 2021, 795, 148722.	8.0	30
106	Green remediation of the potential hazardous shellfish wastes generated from the processing industries and their bioprospecting. Environmental Technology and Innovation, 2021, 24, 101979.	6.1	18
107	Valorization of paper industry rejects by combined thermo-chemical pretreatment and biological conversion to L-lysine. Environmental Technology and Innovation, 2021, 24, 101882.	6.1	4
108	Lignocellulosic biomass-based engineered biochar composites: A facile strategy for abatement of emerging pollutants and utilization in industrial applications. Renewable and Sustainable Energy Reviews, 2021, 152, 111643.	16.4	41

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109	Production and applications of polylactic acid. , 2021, , 309-357.		3
110	Waste Biorefinery Development Toward Circular Bioeconomy With a Focus on Life-Cycle Assessment. , 2021, , 199-230.		2
111	Nanofluid research advances: Preparation, characteristics and applications in food processing. Food Research International, 2021, 150, 110751.	6.2	11
112	Bioengineered biochar as smart candidate for resource recovery toward circular bio-economy: a review. Bioengineered, 2021, 12, 10269-10301.	3.2	37
113	Bioengineered microbes for soil health restoration: present status and future. Bioengineered, 2021, 12, 12839-12853.	3.2	26
114	Bacterial nanocellulose: engineering, production, and applications. Bioengineered, 2021, 12, 11463-11483.	3.2	41
115	Delignification of cotton stalks using sodium cumene sulfonate for bioethanol production. Biofuels, 2020, 11, 431-440.	2.4	21
116	Evaluation of Freshwater Microalgal Isolates for Growth and Oil Production in Seawater Medium. Waste and Biomass Valorization, 2020, 11, 223-230.	3.4	15
117	Bioengineering advancements, innovations and challenges on green synthesis of 2, 5-furan dicarboxylic acid. Bioengineered, 2020, 11, 19-38.	3.2	31
118	Effects of microbial culture and chicken manure biochar on compost maturity and greenhouse gas emissions during chicken manure composting. Journal of Hazardous Materials, 2020, 389, 121908.	12.4	178
119	Biochemical conversion of biodiesel by-product into malic acid: A way towards sustainability. Science of the Total Environment, 2020, 709, 136206.	8.0	18
120	Bacterial production of fatty acid and biodiesel: opportunity and challenges. , 2020, , 21-49.		12
121	Agroresidue-based biorefineries. , 2020, , 243-258.		4
122	Pretreatment strategies for enhanced biogas production from lignocellulosic biomass. Bioresource Technology, 2020, 301, 122725.	9.6	323
123	Microbial strategies for bio-transforming food waste into resources. Bioresource Technology, 2020, 299, 122580.	9.6	248
124	Statistical optimization of solid-state fermentation for the production of fungal inulinase from apple pomace. Bioresource Technology Reports, 2020, 9, 100364.	2.7	31
125	Microalgal Biorefineries for Industrial Products. , 2020, , 187-195.		11
126	Nanocellulose-based products for sustainable applications-recent trends and possibilities. Reviews in Environmental Science and Biotechnology, 2020, 19, 779-806.	8.1	79

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127	Biotechnological potential of <i>Beauveria bassiana</i> as a source of novel biocatalysts and metabolites. <i>Critical Reviews in Biotechnology</i> , 2020, 40, 1019-1034.	9.0	38
128	Oilfield waste treatment using novel hydrocarbon utilizing bacterial consortium – A microcosm approach. <i>Science of the Total Environment</i> , 2020, 745, 141043.	8.0	32
129	Sustainable and eco-friendly strategies for shrimp shell valorization. <i>Environmental Pollution</i> , 2020, 267, 115656.	7.5	70
130	<i>Penicillium janthinellum</i> NCIM1366 shows improved biomass hydrolysis and a larger number of CAZymes with higher induction levels over <i>Trichoderma reesei</i> RUT-C30. <i>Biotechnology for Biofuels</i> , 2020, 13, 196.	6.2	14
131	Refining biomass residues for sustainable energy and bio-products: An assessment of technology, its importance, and strategic applications in circular bio-economy. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 127, 109876.	16.4	203
132	Bioremediation of oily sludge polluted soil employing a novel strain of <i>Pseudomonas aeruginosa</i> and phytotoxicity of petroleum hydrocarbons for seed germination. <i>Science of the Total Environment</i> , 2020, 737, 139766.	8.0	94
133	Valorization of cashew nut processing residues for industrial applications. <i>Industrial Crops and Products</i> , 2020, 152, 112550.	5.2	65
134	Manure pretreatments with black soldier fly <i>Hermetia illucens</i> L. (Diptera: Stratiomyidae): A study to reduce pathogen content. <i>Science of the Total Environment</i> , 2020, 737, 139842.	8.0	46
135	Remodeling agro-industrial and food wastes into value-added bioactives and biopolymers. <i>Industrial Crops and Products</i> , 2020, 154, 112621.	5.2	59
136	Critical Review on Biochar-Supported Catalysts for Pollutant Degradation and Sustainable Biorefinery. <i>Advanced Sustainable Systems</i> , 2020, 4, 1900149.	5.3	93
137	Succession of keratin-degrading bacteria and associated health risks during pig manure composting. <i>Journal of Cleaner Production</i> , 2020, 258, 120624.	9.3	33
138	Lignocellulosic bio-refinery approach for microbial 2,3-Butanediol production. <i>Bioresource Technology</i> , 2020, 302, 122873.	9.6	64
139	Emerging applications of biochar: Improving pig manure composting and attenuation of heavy metal mobility in mature compost. <i>Journal of Hazardous Materials</i> , 2020, 389, 122116.	12.4	96
140	Effect of biochar on emission, maturity and bacterial dynamics during sheep manure composting. <i>Renewable Energy</i> , 2020, 152, 421-429.	8.9	41
141	Algae as potential feedstock for the production of biofuels and value-added products: Opportunities and challenges. <i>Science of the Total Environment</i> , 2020, 716, 137116.	8.0	299
142	Fungal endoinulinase production from raw <i>Asparagus inulin</i> for the production of fructooligosaccharides. <i>Bioresource Technology Reports</i> , 2020, 10, 100417.	2.7	11
143	Bacterial polyhydroxyalkanoates: Opportunities, challenges, and prospects. <i>Journal of Cleaner Production</i> , 2020, 263, 121500.	9.3	145
144	Promising enzymes for biomass processing. , 2020, , 245-271.		5

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145	Organic solid waste biorefinery: Sustainable strategy for emerging circular bioeconomy in China. <i>Industrial Crops and Products</i> , 2020, 153, 112568.	5.2	93
146	Assessing the impact of industrial waste on environment and mitigation strategies: A comprehensive review. <i>Journal of Hazardous Materials</i> , 2020, 398, 123019.	12.4	92
147	Conventional and Alternative Strategies of Pretreatment of Chili Postharvest Residue for the Production of Different Value-Added Products. <i>Applied Environmental Science and Engineering for A Sustainable Future</i> , 2020, , 191-201.	0.5	0
148	Enzymes for second generation biofuels: Recent developments and future perspectives. <i>Bioresource Technology Reports</i> , 2019, 5, 317-325.	2.7	122
149	Tailoring of microbes for the production of high value plant-derived compounds: From pathway engineering to fermentative production. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019, 1867, 140262.	2.3	11
150	Lignocellulosic Bioethanol: Current Status and Future Perspectives. , 2019, , 331-354.		20
151	Production of Cellulolytic Enzymes for Lignocellulosic Biomass Hydrolysis. , 2019, , 401-426.		4
152	Recent advances in microbial production of malic acid from renewable byproducts. <i>Reviews in Environmental Science and Biotechnology</i> , 2019, 18, 579-595.	8.1	29
153	Influence of aeration, agitation and process duration on fungal inulinase production from paneer whey in a stirred tank reactor. <i>Bioresource Technology Reports</i> , 2019, 8, 100343.	2.7	7
154	Rapid degradation of the organophosphate pesticide “Chlorpyrifos by a novel strain of <i>Pseudomonas nitroreducens</i> AR-3. <i>Bioresource Technology</i> , 2019, 292, 122025.	9.6	83
155	Thermostable phytase in feed and fuel industries. <i>Bioresource Technology</i> , 2019, 278, 400-407.	9.6	62
156	Biofuel Production From Biomass. , 2019, , 79-92.		59
157	Genomics of Lactic Acid Bacteria for Glycerol Dissimilation. <i>Molecular Biotechnology</i> , 2019, 61, 562-578.	2.4	8
158	A critical review of organic manure biorefinery models toward sustainable circular bioeconomy: Technological challenges, advancements, innovations, and future perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 111, 115-131.	16.4	177
159	Bio-butanol production from rice straw “Recent trends, possibilities, and challenges. <i>Bioresource Technology Reports</i> , 2019, 7, 100224.	2.7	49
160	Biological pretreatment of lignocellulosic biomass“Current trends and future perspectives. , 2019, , 197-212.		35
161	Conversion of food and kitchen waste to value-added products. <i>Journal of Environmental Management</i> , 2019, 241, 619-630.	7.8	187
162	Genomic analysis of carbon dioxide sequestering bacterium for exopolysaccharides production. <i>Scientific Reports</i> , 2019, 9, 4270.	3.3	23

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163	Biotransformation of 5-hydroxymethylfurfural by <i>Acinetobacter oleivorans</i> S27 for the synthesis of furan derivatives. <i>Bioresource Technology</i> , 2019, 282, 88-93.	9.6	29
164	Biosynthesis of 2,5-furan dicarboxylic acid by <i>Aspergillus flavus</i> APLS-1: Process optimization and intermediate product analysis. <i>Bioresource Technology</i> , 2019, 284, 155-160.	9.6	30
165	Microbial Enzymes—An Overview. , 2019, , 1-40.		46
166	Cassava starch hydrolysate as sustainable carbon source for exopolysaccharide production by <i>Lactobacillus plantarum</i> . <i>Bioresource Technology Reports</i> , 2019, 6, 85-88.	2.7	12
167	Role of compost biochar amendment on the (im)mobilization of cadmium and zinc for Chinese cabbage (<i>Brassica rapa</i> L.) from contaminated soil. <i>Journal of Soils and Sediments</i> , 2019, 19, 3883-3897.	3.0	23
168	Application of metagenomic analysis for detection of the reduction in the antibiotic resistance genes (ARGs) by the addition of clay during poultry manure composting. <i>Chemosphere</i> , 2019, 220, 137-145.	8.2	41
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