

Ajay S Kalamdhad

List of Publications by Year in descending order

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Version: 2024-02-01

190
papers

5,476
citations

87401

40
h-index

139680

61
g-index

194
all docs

194
docs citations

194
times ranked

4516
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into the bioconversion of <i>Ageratum conyzoides</i> into a nutrient-rich compost and its toxicity assessment: nutritional and quality assessment through instrumental analysis. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 3879-3895.	2.9	3
2	Monitoring and risk assessment of heavy metals surficial sediments using the 5-step sequential extraction process. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 7519-7540.	1.8	4
3	A comprehensive assessment of state-wise biogas potential and its utilization in India. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 12557-12579.	2.9	7
4	Anaerobic co-digestion of defatted microalgae residue and rice straw as an emerging trend for waste utilization and sustainable biorefinery development. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 1193-1202.	2.9	14
5	Screening of different thermal heating processes for increased methane production from lignocellulose waste material. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 5115-5123.	2.9	5
6	Hydraulic performance, consolidation characteristics and shear strength analysis of bentonites in the presence of fly-ash, sewage sludge and paper-mill leachates for landfill application. <i>Journal of Environmental Management</i> , 2022, 302, 113977.	3.8	18
7	Enhanced methane production and hydrocarbon removal from petroleum refinery sludge after <i>Pseudomonas putida</i> pretreatment and process scale-up. <i>Bioresource Technology</i> , 2022, 343, 126127.	4.8	14
8	Process optimization by combining in-vessel composting and vermicomposting of vegetable waste. <i>Bioresource Technology</i> , 2022, 346, 126357.	4.8	26
9	Interrelationships among critical success factors for the planning of municipal solid waste management PPP projects in India using structural equation modelling. <i>Waste Management and Research</i> , 2022, 40, 859-869.	2.2	4
10	An investigation of demolished floor and wall ceramic tile waste utilization in fired brick production. <i>Environmental Technology and Innovation</i> , 2022, 25, 102228.	3.0	8
11	Effect of Lead, Copper, and Zinc on Mechanical Properties of Compacted Bentonites. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2022, 26, .	1.2	3
12	Factors affecting anaerobic digestion for biogas production: a review. , 2022, , 223-233.		10
13	Composting and vermicomposting: Process optimization for the management of organic waste. , 2022, , 33-43.		2
14	Use of petroleum refinery sludge for the production of biogas as an alternative energy source: a review. , 2022, , 277-297.		4
15	Integrated terrestrial weed management and generation of valuable products in a circular bioeconomy. , 2022, , 41-64.		1
16	Genotoxicity evaluation of paper industry wastewater prior and post-treatment with laccase producing <i>Pseudomonas putida</i> MTCC 7525. <i>Journal of Cleaner Production</i> , 2022, 342, 130981.	4.6	22
17	Performance evaluation of a novel two-stage biodegradation technique through management of toxic lignocellulosic terrestrial weeds. <i>Waste Management</i> , 2022, 144, 191-202.	3.7	8
18	Performance assessment of in-vessel composter through heavy metal immobilization and humification of <i>Parthenium hysterophorus</i> . <i>Bioresource Technology</i> , 2022, 360, 127626.	4.8	3

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19	Comparative study of different thermal pretreatment techniques for accelerated methane production from rice straw. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 1145-1154.	2.9	10
20	Evaluating and modelling of plug flow reactor digesting lignocellulosic corn silage. <i>Fuel</i> , 2021, 287, 119498.	3.4	3
21	Biochemical Methane Potential and Kinetics of <i>Parthenium hysterophorus</i> with Different Food to Microorganisms (F/M) Ratios. , 2021, , 283-292.		0
22	Hydrochemical dynamics of water quality for irrigation use and introducing a new water quality index incorporating multivariate statistics. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	19
23	Thermal pre-treatment “ A prerequisite for the reduction of hydrolysis stage during anaerobic digestion of <i>Ageratum conyzoides</i> . <i>Materials Science for Energy Technologies</i> , 2021, 4, 34-45.	1.0	4
24	Impact of Precipitation on Biodegradation of Fresh Municipal Solid Waste in Anaerobic Simulated Reactor. , 2021, , 303-316.		0
25	Water quality evaluation and apportionment of pollution sources: a case study of the Baralia and Puthimari River (India). <i>Water Practice and Technology</i> , 2021, 16, 692-706.	1.0	2
26	Influence of real and synthetic municipal solid waste leachates on consolidation and shear strength behaviour of bentonites. <i>Environmental Science and Pollution Research</i> , 2021, 28, 30975-30985.	2.7	10
27	Heavy metal pollution and potential ecological risk assessment for surficial sediments of Deepor Beel, India. <i>Ecological Indicators</i> , 2021, 122, 107265.	2.6	67
28	Understanding the dynamics of heavy metals in a freshwater ecosystem through their toxicity and bioavailability assay. <i>Environment, Development and Sustainability</i> , 2021, 23, 16381-16409.	2.7	6
29	Demonstrating an ideal compostable plastic using biodegradability kinetics of poly(lactic acid) (PLA) based green biocomposite films under aerobic composting conditions. <i>Environmental Challenges</i> , 2021, 3, 100030.	2.0	27
30	Adsorption and Hydraulic Conductivity Studies on Bentonite in Presence of Copper Solution. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2021, 25, 06020007.	1.2	11
31	Biodegradation and characterization study of compostable PLA bioplastic containing algae biomass as potential degradation accelerator. <i>Environmental Challenges</i> , 2021, 3, 100067.	2.0	45
32	Discussion on the existing methodology of entropy-weights in water quality indexing and proposal for a modification of the expected conflicts. <i>Environmental Science and Pollution Research</i> , 2021, 28, 53983-54001.	2.7	10
33	Exploring the functional significance of novel cellulolytic bacteria for the anaerobic digestion of rice straw. <i>Renewable Energy</i> , 2021, 169, 485-497.	4.3	12
34	Enhancement of soil physico-chemical properties post compost application: Optimization using Response Surface Methodology comprehending Central Composite Design. <i>Journal of Environmental Management</i> , 2021, 289, 112461.	3.8	29
35	Phytotoxicity and cyto-genotoxicity evaluation of organic and inorganic pollutants containing petroleum refinery wastewater using plant bioassay. <i>Environmental Technology and Innovation</i> , 2021, 23, 101651.	3.0	27
36	Assessment of possible pollution risk using spatial distribution and temporal variation of heavy metals in river sediments. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	4

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37	A comprehensive insight into ecological risk assessment and remediation of metal contaminated coal mine soil: Towards a cleaner and sustainable environment. <i>Journal of Cleaner Production</i> , 2021, 324, 129185.	4.6	16
38	Science mapping approach to critical reviewing of published literature on water quality indexing. <i>Ecological Indicators</i> , 2021, 128, 107862.	2.6	17
39	Biodegradation of biopolymeric composites and blends under different environmental conditions: Approach towards end-of-life panacea for crop sustainability. <i>Bioresource Technology Reports</i> , 2021, 15, 100705.	1.5	14
40	Evaluation of equilibrium, kinetic and hydraulic characteristics of Indian bentonites in presence of heavy metal for landfill application. <i>Journal of Cleaner Production</i> , 2021, 317, 128396.	4.6	7
41	Efficiency of electrohydrolysis pretreatment on terrestrial weed (<i>Parthenium hysterophorus</i>) to cut down the hydrolysis stage during the anaerobic digestion process and continuous reactor study. <i>Energy Reports</i> , 2021, 7, 3547-3555.	2.5	3
42	Optimization of electrokinetic pretreatment for enhanced methane production and toxicity reduction from petroleum refinery sludge. <i>Journal of Environmental Management</i> , 2021, 298, 113469.	3.8	10
43	Assessing mobility and chemical speciation of heavy metals during rotary drum composting of <i>Ageratum conyzoides</i> . <i>Environmental Technology and Innovation</i> , 2021, 24, 101871.	3.0	16
44	Removal of Lead and Copper by Using Bentonite as an Adsorbent. , 2021, , 293-301.		0
45	Impact of real and simulated municipal solid waste leachates on the hydraulic and swelling behaviour of bentonites for landfill application. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 701.	1.3	3
46	Influence of lead and copper on behavioural changes of compacted bentonite. <i>Japanese Geotechnical Society Special Publication</i> , 2021, 9, 31-36.	0.2	2
47	Fantastic Floating Weeds and How to Use Them. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2021, , 367-381.	0.3	0
48	Assessment of surface water quality of Pagladia, Beki and Kolong rivers (Assam, India) using multivariate statistical techniques. <i>International Journal of River Basin Management</i> , 2020, 18, 511-520.	1.5	17
49	Anaerobic biodegradability test for <i>Lantana camara</i> to optimize the appropriate food to microorganism (F/M) ratio. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 3191-3198.	1.2	3
50	Development of irrigation water quality index incorporating information entropy. <i>Environment, Development and Sustainability</i> , 2020, 22, 3119-3132.	2.7	27
51	Biogenic stabilization and heavy metal immobilization during vermicomposting of vegetable waste with biochar amendment. <i>Journal of Hazardous Materials</i> , 2020, 390, 121366.	6.5	53
52	Bentonites as a Copper Adsorbent: Equilibrium, pH, Agitation, Dose, and Kinetic Effect Studies. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2020, 24, .	1.2	11
53	Optimization of process parameters for accelerated methane yield from anaerobic co-digestion of rice straw and food waste. <i>Renewable Energy</i> , 2020, 149, 1352-1359.	4.3	66
54	End-of-life evaluation and biodegradation of Poly(lactic acid) (PLA)/Polycaprolactone (PCL)/Microcrystalline cellulose (MCC) polyblends under composting conditions. <i>Chemosphere</i> , 2020, 247, 125875.	4.2	47

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55	Bio-inherent attributes of water hyacinth procured from contaminated water bodyâ€œeffect of its compost on seed germination and radicle growth. Journal of Environmental Management, 2020, 257, 109990.	3.8	36
56	Effect of Total Solid Content of Lignocellulose Pulp and Paper Mill Sludge on Methane Production and Modeling. Journal of Environmental Engineering, ASCE, 2020, 146, 04019121.	0.7	3
57	Study of the limnology of wetlands through a one-dimensional model for assessing the eutrophication levels induced by various pollution sources. Ecological Modelling, 2020, 416, 108907.	1.2	25
58	Review of existing heavy metal contamination indices and development of an entropy-based improved indexing approach. Environment, Development and Sustainability, 2020, 22, 7847-7864.	2.7	17
59	Surface water quality and health risk assessment of Kameng river (Assam, India). Water Practice and Technology, 2020, 15, 1190-1201.	1.0	2
60	Biochemical methane potential trial of terrestrial weeds: Evolution of mono digestion and co-digestion on biogas production. Materials Science for Energy Technologies, 2020, 3, 748-755.	1.0	2
61	Statistical modelling and assessment of landfill leachate emission from fresh municipal solid waste: A laboratory-scale anaerobic landfill simulation reactor study. Waste Management and Research, 2020, 38, 1161-1175.	2.2	16
62	Prerequisite of electrohydrolysis pretreatment on lignocellulose terrestrial weed (Ageratum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 T Energy Technologies, 2020, 3, 896-904.	1.0	2
63	Recent advances in removal of lignin from paper industry wastewater and its industrial applications â€œA review. Bioresource Technology, 2020, 312, 123636.	4.8	126
64	Microbes involved in arsenic mobilization and respiration: a review on isolation, identification, isolates and implications. Environmental Geochemistry and Health, 2020, 42, 3443-3469.	1.8	35
65	Biodegradable kinetics and behavior of bio-based polyblends under simulated aerobic composting conditions. Journal of Environmental Management, 2020, 261, 110211.	3.8	20
66	Soil revitalization via waste utilization: Compost effects on soil organic properties, nutritional, sorption and physical properties. Environmental Technology and Innovation, 2020, 18, 100668.	3.0	15
67	Kinetics and physics during composting of various organic wastes: Statistical approach to interpret compost application feasibility. Journal of Cleaner Production, 2020, 255, 120324.	4.6	27
68	Equilibrium, kinetic and hydraulic study of different Indian bentonites in presence of lead. European Journal of Environmental and Civil Engineering, 2020, , 1-20.	1.0	8
69	Application of positive matrix factorization receptor model and elemental analysis for the assessment of sediment contamination and their source apportionment of Deepor Beel, Assam, India. Ecological Indicators, 2020, 114, 106291.	2.6	31
70	Adsorption and Hydraulic Conductivity Studies on Bentonites in the Presence of Zinc. Lecture Notes in Civil Engineering, 2020, , 489-500.	0.3	4
71	Effect and Management of Various Terrestrial Weedsâ€™Review. Lecture Notes in Civil Engineering, 2020, , 231-238.	0.3	2
72	Recent Trends and Advances in the Biodegradation of Conventional Plastics. Materials Horizons, 2020, , 389-404.	0.3	6

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73	Application of Environmetrics tools for geochemistry, water quality assessment and apportionment of pollution sources in Deepor Beel, Assam, India. <i>Water Practice and Technology</i> , 2020, 15, 973-992.	1.0	8
74	Relevance of Physicochemical and Nutritional Variables During Rotary Drum Composting of Water Hyacinth with Biochar Amendment. <i>Lecture Notes in Civil Engineering</i> , 2020, , 323-333.	0.3	0
75	Seasonal and Spatial Variation of DO and BOD for Assessment of the Water Quality of Brahmaputra River. <i>Lecture Notes in Civil Engineering</i> , 2020, , 473-483.	0.3	1
76	Optimization of methane production during anaerobic co-digestion of rice straw and hydrilla verticillata using response surface methodology. <i>Fuel</i> , 2019, 235, 92-99.	3.4	96
77	An investigation on water quality variability and identification of ideal monitoring locations by using entropy based disorder indices. <i>Science of the Total Environment</i> , 2019, 647, 1444-1455.	3.9	21
78	Interplay of physical and chemical properties during in-vessel degradation of sewage sludge. <i>Waste Management</i> , 2019, 98, 58-68.	3.7	16
79	Recalcitrant carbon for composting of fibrous aquatic waste: Degradation kinetics, spectroscopic study and effect on physico-chemical and nutritional properties. <i>Journal of Environmental Management</i> , 2019, 251, 109568.	3.8	10
80	A modified indexing approach for assessment of heavy metal contamination in Deepor Beel, India. <i>Ecological Indicators</i> , 2019, 106, 105444.	2.6	37
81	Process performance and biogas production optimizing of mesophilic plug flow anaerobic digestion of corn silage. <i>Fuel</i> , 2019, 253, 1097-1103.	3.4	52
82	A review on enhanced biogas production from anaerobic digestion of lignocellulosic biomass by different enhancement techniques. <i>Process Biochemistry</i> , 2019, 84, 81-90.	1.8	171
83	Biogas production from water hyacinth in a novel anaerobic digester: A continuous study. <i>Chemical Engineering Research and Design</i> , 2019, 127, 82-89.	2.7	44
84	Influence of various concentration of lead on consolidation parameters of bentonite. <i>International Journal of Geotechnical Engineering</i> , 2019, , 1-7.	1.1	8
85	Variation in the key indicators during composting of municipal solid organic wastes. <i>Sustainable Environment Research</i> , 2019, 29, .	2.1	28
86	Fungal pretreatment and associated kinetics of rice straw hydrolysis to accelerate methane yield from anaerobic digestion. <i>Bioresource Technology</i> , 2019, 286, 121368.	4.8	89
87	Enhanced methane production from anaerobic co-digestion of rice straw and hydrilla verticillata and its kinetic analysis. <i>Biomass and Bioenergy</i> , 2019, 125, 8-16.	2.9	40
88	Electrohydrolysis pretreatment methods to enhance the methane production from anaerobic digestion of rice straw using graphite electrode. <i>Renewable Energy</i> , 2019, 142, 1-10.	4.3	24
89	Biodegradation of modified Poly(lactic acid) based biocomposite films under thermophilic composting conditions. <i>Polymer Testing</i> , 2019, 76, 522-536.	2.3	59
90	Evaluation of Cd(II) biosorption in aqueous solution by using lyophilized biomass of novel bacterial strain <i>Bacillus badius</i> AK: Biosorption kinetics, thermodynamics and mechanism. <i>Environmental Technology and Innovation</i> , 2019, 14, 100323.	3.0	64

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91	Drum composting of nitrogen-rich Hydrilla Verticillata with carbon-rich agents: Effects on composting physics and kinetics. <i>Journal of Environmental Management</i> , 2019, 231, 770-779.	3.8	30
92	Anaerobic co-digestion of water hyacinth and banana peels with and without thermal pretreatment. <i>Renewable Energy</i> , 2019, 134, 103-112.	4.3	48
93	Enhanced methane potential of rice straw with microwave assisted pretreatment and its kinetic analysis. <i>Journal of Environmental Management</i> , 2019, 232, 188-196.	3.8	62
94	Information entropy as a tool in surface water quality assessment. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	41
95	Utilization of Biochar as an amendment during lignocellulose waste composting: Impact on composting physics and Realization (probability) amongst physical properties. <i>Chemical Engineering Research and Design</i> , 2019, 121, 229-238.	2.7	28
96	Advanced Pretreatment Strategies for Bioenergy Production from Biomass and Biowaste. , 2019, , 1507-1524.		4
97	Impact of Heavy Metals on Consolidation Properties of Bentonite. <i>Environmental Science and Engineering</i> , 2019, , 567-574.	0.1	4
98	Composting physics: A degradation process-determining tool for industrial sludge. <i>Ecological Engineering</i> , 2018, 116, 14-20.	1.6	27
99	A practical proposal for utilisation of water hyacinth: Recycling in fired bricks. <i>Journal of Cleaner Production</i> , 2018, 190, 261-271.	4.6	28
100	Electrohydrolysis pretreatment for enhanced methane production from lignocellulose waste pulp and paper mill sludge and its kinetics. <i>Bioresource Technology</i> , 2018, 252, 52-58.	4.8	45
101	Biochar amendment for batch composting of nitrogen rich organic waste: Effect on degradation kinetics, composting physics and nutritional properties. <i>Bioresource Technology</i> , 2018, 253, 204-213.	4.8	121
102	Anaerobic biodegradability test of water hyacinth after microbial pretreatment to optimise the ideal F/M ratio. <i>Fuel</i> , 2018, 217, 91-97.	3.4	20
103	Microbial pretreatment of water hyacinth for enhanced hydrolysis followed by biogas production. <i>Renewable Energy</i> , 2018, 126, 21-29.	4.3	66
104	Composting physics: A science behind bio-degradation of lignocellulose aquatic waste amended with inoculum and bulking agent. <i>Chemical Engineering Research and Design</i> , 2018, 116, 424-432.	2.7	12
105	A review on management of Hydrilla verticillata and its utilization as potential nitrogen-rich biomass for compost or biogas production. <i>Bioresource Technology Reports</i> , 2018, 1, 69-78.	1.5	35
106	Effects of Aeration During Pile Composting of Water Hyacinth Operated at Agitated, Passive and Forced Aerated Condition. <i>Waste and Biomass Valorization</i> , 2018, 9, 1339-1347.	1.8	7
107	Vermicomposting and anaerobic digestion “ viable alternative options for terrestrial weed management “ A review. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2018, 17, 70-76.	2.1	30
108	Monitoring and assessment of Deepor Beel water quality using multivariate statistical tools. <i>Water Practice and Technology</i> , 2018, 13, 893-908.	1.0	11

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109	Risk characterization and surface water quality assessment of Manas River, Assam (India) with an emphasis on the TOPSIS method of multi-objective decision making. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	21
110	Comparative evaluation of anaerobic co-digestion of water hyacinth and cooked food waste with and without pretreatment. <i>Bioresource Technology Reports</i> , 2018, 4, 202-208.	1.5	31
111	Parameter optimisation for producing fired bricks using organic solid wastes. <i>Journal of Cleaner Production</i> , 2018, 205, 836-844.	4.6	31
112	Physical parameters evaluation during production of soil conditioner from aquatic waste: <i>Hydrilla verticillata</i> (L.f.) Royle. <i>Environmental Technology and Innovation</i> , 2018, 11, 64-73.	3.0	23
113	Characterization of bacterial community structure during in-vessel composting of agricultural waste by 16S rRNA sequencing. <i>3 Biotech</i> , 2018, 8, 301.	1.1	19
114	Biochemical methane potential (BMP) test for <i>Ageratum conyzoides</i> to optimize ideal food to microorganism (F/M) ratio. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 5135-5140.	3.3	25
115	Advanced Pretreatment Strategies for Bioenergy Production from Biomass and Biowaste. , 2018, , 1-19.		4
116	Green synthesis of iron nanoparticle from extract of waste tea: An application for phenol red removal from aqueous solution. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2018, 10, 377-387.	1.7	45
117	Efficacy of batch mode rotary drum composter for management of aquatic weed (<i>Hydrilla verticillata</i>) Tj ETQq1 1 0,784314 rgBT /Ove	3.8	51
118	Paper mill sludge (PMS) and degraded municipal solid waste (DMSW) blended fired bricksâ€“a review. <i>MOJ Civil Engineering</i> , 2018, 4, 81-85.	0.3	5
119	Biosorption of Pb(II) by <i>Bacillus badius</i> AK strain originating from rotary drum compost of water hyacinth. <i>Water Science and Technology</i> , 2017, 75, 1071-1083.	1.2	14
120	Biochemical methane potential test for pulp and paper mill sludge with different food / microorganisms ratios and its kinetics. <i>International Biodeterioration and Biodegradation</i> , 2017, 117, 197-204.	1.9	51
121	Influence of carbide sludge on microbial diversity and degradation of lignocellulose during in-vessel composting of agricultural waste. <i>Ecological Engineering</i> , 2017, 101, 155-161.	1.6	11
122	Biosorption of lead using <i>Bacillus badius</i> AK strain isolated from compost of green waste (water hyacinth). <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 1812-1822.	1.2	14
123	Transformation of elemental toxic metals into immobile fractions in paper mill sludge through rotary drum composting. <i>Ecological Engineering</i> , 2017, 101, 185-192.	1.6	49
124	Electrohydrolysis pretreatment of water hyacinth for enhanced hydrolysis. <i>Bioresource Technology</i> , 2017, 238, 733-737.	4.8	18
125	Enhanced methane production and its kinetics model of thermally pretreated lignocellulose waste material. <i>Bioresource Technology</i> , 2017, 241, 1-9.	4.8	53
126	An investigation on use of paper mill sludge in brick manufacturing. <i>Construction and Building Materials</i> , 2017, 148, 334-343.	3.2	106

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127	A mass diffusion model on the effect of moisture content for solid-state anaerobic digestion. <i>Journal of Cleaner Production</i> , 2017, 162, 371-379.	4.6	35
128	Microbial degradation of lignocellulosic fractions during drum composting of mixed organic waste. <i>Sustainable Environment Research</i> , 2017, 27, 265-272.	2.1	38
129	Optimization of waste combinations during in-vessel composting of agricultural waste. <i>Waste Management and Research</i> , 2017, 35, 101-109.	2.2	14
130	Prerequisite " An electrohydrolysis pretreatment for anaerobic digestion of lignocellulose waste material. <i>Bioresource Technology</i> , 2017, 235, 274-280.	4.8	29
131	Effect of various types of thermal pretreatment techniques on the hydrolysis, compositional analysis and characterization of water hyacinth. <i>Bioresource Technology</i> , 2017, 227, 147-154.	4.8	68
132	Degraded municipal solid waste as partial substitute for manufacturing fired bricks. <i>Construction and Building Materials</i> , 2017, 155, 259-266.	3.2	44
133	Influence of pretreatment techniques on anaerobic digestion of pulp and paper mill sludge: A review. <i>Bioresource Technology</i> , 2017, 245, 1206-1219.	4.8	104
134	Enhancement of hydrolysis of lignocellulose waste pulp and paper mill sludge through different heating processes on thermal pretreatment. <i>Journal of Cleaner Production</i> , 2017, 168, 219-226.	4.6	55
135	Biochemical methane potential test of untreated and hot air oven pretreated water hyacinth: A comparative study. <i>Journal of Cleaner Production</i> , 2017, 166, 273-284.	4.6	37
136	Potential degradation of hazardous dye Congo red by nano-metallic particles synthesized from the automobile shredder residue. <i>Nanotechnology for Environmental Engineering</i> , 2017, 2, 1.	2.0	12
137	Evolution of chemical and biological characterization during agitated pile composting of flower waste. <i>International Journal of Recycling of Organic Waste in Agriculture</i> , 2017, 6, 89-98.	2.0	25
138	Surface water quality assessment of Amingaon (Assam, India) using multivariate statistical techniques. <i>Water Practice and Technology</i> , 2017, 12, 997-1008.	1.0	5
139	Isolation and identification of bacteria from rotary drum compost of water hyacinth. <i>International Journal of Recycling of Organic Waste in Agriculture</i> , 2017, 6, 245-253.	2.0	16
140	Application of drum compost and vermicompost to improve soil health, growth, and yield parameters for tomato and cabbage plants. <i>Journal of Environmental Management</i> , 2017, 200, 243-252.	3.8	108
141	Solid Waste. , 2017, , 337-368.		0
142	Effect of lime on speciation of heavy metals during composting of water hyacinth. <i>Frontiers of Environmental Science and Engineering</i> , 2016, 10, 93-102.	3.3	25
143	Transformation of nutrients and heavy metals during vermicomposting of the invasive green weed <i>Salvinia natans</i> using <i>Eisenia fetida</i> . <i>International Journal of Recycling of Organic Waste in Agriculture</i> , 2016, 5, 205-220.	2.0	44
144	Efficiency of Rotary Drum Composting for Stabilizing Vegetable Waste during Pre-Composting and Vermicomposting. <i>Environmental Processes</i> , 2016, 3, 829-841.	1.7	16

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145	The preferential composting of water fern and a reduction of the mobility of potential toxic elements in a rotary drum reactor. <i>Chemical Engineering Research and Design</i> , 2016, 102, 485-494.	2.7	25
146	Feasibility of <i>Eudrilus eugeniae</i> and <i>Perionyx excavatus</i> in vermicomposting of water hyacinth. <i>Ecological Engineering</i> , 2016, 94, 127-135.	1.6	30
147	Vermicomposting of dewatered sludge from pulp and paper mill. <i>International Journal of Environment and Waste Management</i> , 2015, 15, 24.	0.2	0
148	Sewage sludge composting in a rotary drum reactor: stability and kinetic analysis. <i>International Journal of Recycling of Organic Waste in Agriculture</i> , 2015, 4, 249-259.	2.0	14
149	Reduction of bioavailability and leachability of heavy metals during agitated pile composting of <i>Salvinia natans</i> weed of Loktak lake. <i>International Journal of Recycling of Organic Waste in Agriculture</i> , 2015, 4, 143-156.	2.0	10
150	Effect of different livestock dungs as inoculum on food waste anaerobic digestion and its kinetics. <i>Bioresource Technology</i> , 2015, 180, 237-241.	4.8	86
151	Fabrication of Cellulose Nanocrystals from Agricultural Compost. <i>Compost Science and Utilization</i> , 2015, 23, 104-116.	1.2	21
152	Potential of waste carbide sludge addition on earthworm growth and organic matter degradation during vermicomposting of agricultural wastes. <i>Ecological Engineering</i> , 2015, 83, 90-95.	1.6	34
153	Carbon decomposition by inoculating <i>Phanerochaete chrysosporium</i> during drum composting of agricultural waste. <i>Environmental Science and Pollution Research</i> , 2015, 22, 7851-7858.	2.7	23
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182	Effects of turning frequency on compost stability and some chemical characteristics in a rotary drum composter. <i>Chemosphere</i> , 2009, 74, 1327-1334.	4.2	92
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