

Carol Sze Ki Lin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

143 papers	6,246 citations	43 h-index	76 g-index
149 ext. papers	7,375 ext. citations	8.4 avg, IF	6.37 L-index

#	Paper	IF	Citations
143	Synthesis of Polyols and Organic Acids by Wild-Type and Metabolically Engineered <i>Yarrowia lipolytica</i> Strains 2022 , 227-250		
142	Sustainability-inspired upcycling of waste polyethylene terephthalate plastic into porous carbon for CO ₂ capture. <i>Green Chemistry</i> , 2022 ,	10	8
141	A waste upcycling loop: Two-factor adaptive evolution of microalgae to increase polyunsaturated fatty acid production using food waste. <i>Journal of Cleaner Production</i> , 2022 , 331, 130018	10.3	3
140	Emerging waste valorisation techniques to moderate the hazardous impacts, and their path towards sustainability. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127023	12.8	8
139	Sustainable conversion of food waste into high-value products through microalgae-based biorefinery 2022 , 125-152		
138	Supplementation with -GR24 Facilitates the Accumulation of Biomass and Astaxanthin in Two Successive Stages of Cultivation.. <i>Journal of Agricultural and Food Chemistry</i> , 2022 ,	5.7	1
137	Domesticating a bacterial consortium for efficient lignocellulosic biomass conversion. <i>Renewable Energy</i> , 2022 , 189, 359-368	8.1	2
136	Inhibition kinetics of bio-based succinic acid production by the yeast <i>Yarrowia lipolytica</i> . <i>Chemical Engineering Journal</i> , 2022 , 136273	14.7	0
135	Bioconversion of food and lignocellulosic wastes employing sugar platform: A review of enzymatic hydrolysis and kinetics.. <i>Bioresource Technology</i> , 2022 , 352, 127083	11	2
134	Infection control measures for public transportation derived from the flow dynamics of obstructed cough jet.. <i>Journal of Aerosol Science</i> , 2022 , 163, 105995	4.3	
133	Advancements and current challenges in the sustainable downstream processing of bacterial polyhydroxyalkanoates. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2022 , 100631	7.9	1
132	Fermentative production of 2,3-Butanediol using bread waste DA green approach for sustainable management of food waste. <i>Bioresource Technology</i> , 2022 , 358, 127381	11	1
131	Restructuring the sunflower-based biodiesel industry into a circular bio-economy business model converting sunflower meal and crude glycerol into succinic acid and value-added co-products. <i>Biomass and Bioenergy</i> , 2021 , 155, 106265	5.3	2
130	An auxin-like supermolecule to simultaneously enhance growth and cumulative eicosapentaenoic acid production in <i>Phaeodactylum tricornutum</i> .. <i>Bioresource Technology</i> , 2021 , 345, 126564	11	1
129	Perspective on Constructing Cellulose-Hydrogel-Based Gut-Like Bioreactors for Growth and Delivery of Multiple-Strain Probiotic Bacteria. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 4946-4959	5.7	4
128	Synergistic bioconversion of lipids and carotenoids from food waste by <i>Dunaliella salina</i> with fulvic acid via a two-stage cultivation strategy. <i>Energy Conversion and Management</i> , 2021 , 234, 113908	10.6	12
127	Life cycle analysis of fermentative production of succinic acid from bread waste. <i>Waste Management</i> , 2021 , 126, 861-871	8.6	7

126	Characterization and evaluation of a natural derived bacterial consortium for efficient lignocellulosic biomass valorization. <i>Bioresource Technology</i> , 2021 , 329, 124909	11	4
125	Promising advancement in fermentative succinic acid production by yeast hosts. <i>Journal of Hazardous Materials</i> , 2021 , 401, 123414	12.8	19
124	Guiding environmental sustainability of emerging bioconversion technology for waste-derived sophorolipid production by adopting a dynamic life cycle assessment (dLCA) approach. <i>Environmental Pollution</i> , 2021 , 269, 116101	9.3	6
123	Biotechnology of Plastic Waste Degradation, Recycling, and Valorization: Current Advances and Future Perspectives. <i>ChemSusChem</i> , 2021 , 14, 4103-4114	8.3	10
122	Impact of nitrogen deficiency on succinic acid production by engineered strains of <i>Yarrowia lipolytica</i> . <i>Journal of Biotechnology</i> , 2021 , 336, 30-40	3.7	4
121	Biotechnology of Plastic Waste Degradation, Recycling, and Valorization: Current Advances and Future Perspectives. <i>ChemSusChem</i> , 2021 , 14, 3981	8.3	3
120	Bioconversion of Food Waste to produce Industrial-scale Sophorolipid Syrup and Crystals: dynamic Life Cycle Assessment (dLCA) of Emerging Biotechnologies. <i>Bioresource Technology</i> , 2021 , 337, 125474	11	4
119	Bioprocess development using organic biowaste and sustainability assessment of succinic acid production with engineered <i>Yarrowia lipolytica</i> strain. <i>Biochemical Engineering Journal</i> , 2021 , 174, 108099	4.2	9
118	Metabolic profiling identified phosphatidylcholin as potential biomarker in boosting lipid accumulation in multiple microalgae. <i>Biochemical Engineering Journal</i> , 2021 , 174, 108130	4.2	0
117	Biorefinery potential of chemically enhanced primary treatment sewage sludge to representative value-added chemicals - A de novo angle for wastewater treatment. <i>Bioresource Technology</i> , 2021 , 339, 125583	11	3
116	Enhancing the recombinant protein productivity of <i>Yarrowia lipolytica</i> using insitu fibrous bed bioreactor. <i>Bioresource Technology</i> , 2021 , 340, 125672	11	4
115	Methodological advances and challenges in probiotic bacteria production: Ongoing strategies and future perspectives. <i>Biochemical Engineering Journal</i> , 2021 , 176, 108199	4.2	1
114	Conversion of food waste-derived lipid to bio-based polyurethane foam. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021 , 4, 100131	7.5	0
113	Recovery of Nutrients and Transformations of Municipal/Domestic Food Waste 2020 , 109-159		
112	Sustainable and stepwise waste-based utilisation strategy for the production of biomass and biofuels by engineered microalgae. <i>Environmental Pollution</i> , 2020 , 265, 114854	9.3	14
111	Environmental life cycle assessment of textile bio-recycling Valorizing cotton-polyester textile waste to pet fiber and glucose syrup. <i>Resources, Conservation and Recycling</i> , 2020 , 161, 104989	11.9	35
110	Sustainable lipid and lutein production from <i>Chlorella</i> mixotrophic fermentation by food waste hydrolysate. <i>Journal of Hazardous Materials</i> , 2020 , 400, 123258	12.8	26
109	Bioproduction of succinic acid from xylose by engineered without pH control. <i>Biotechnology for Biofuels</i> , 2020 , 13, 113	7.8	20

108	Techno-economic evaluation of a biorefinery applying food waste for sophorolipid production - A case study for Hong Kong. <i>Bioresource Technology</i> , 2020 , 303, 122852	11	34
107	Sugar Alcohols and Organic Acids Synthesis in : Where Are We?. <i>Microorganisms</i> , 2020 , 8,	4.9	24
106	Food Waste and Manure 2020 , 899-938		1
105	A review on high catalytic efficiency of solid acid catalysts for lignin valorization. <i>Bioresource Technology</i> , 2020 , 298, 122432	11	38
104	Enhanced polyunsaturated fatty acid production using food wastes and biofuels byproducts by an evolved strain of <i>Phaeodactylum tricornutum</i> . <i>Bioresource Technology</i> , 2020 , 296, 122351	11	25
103	Enhancing succinic acid productivity in the yeast <i>Yarrowia lipolytica</i> with improved glycerol uptake rate. <i>Science of the Total Environment</i> , 2020 , 702, 134911	10.2	10
102	Efficient in-situ separation design for long-term sophorolipids fermentation with high productivity. <i>Journal of Cleaner Production</i> , 2020 , 246, 118995	10.3	15
101	Sustainability metrics of pretreatment processes in a waste derived lignocellulosic biomass biorefinery. <i>Bioresource Technology</i> , 2020 , 298, 122558	11	64
100	Overview of Waste Valorisation Concepts from a Circular Economy Perspective 2020 , 1-11		
99	Circular Waste-Based Biorefinery Development 2020 , 223-251		1
98	TAG pathway engineering via GPAT2 concurrently potentiates abiotic stress tolerance and oleaginicacy in. <i>Biotechnology for Biofuels</i> , 2020 , 13, 160	7.8	14
97	Valorisation of Woody Biomass 2020 , 87-108		1
96	Fermentation of fruit and vegetable wastes for biobased products 2020 , 255-273		2
95	Recent advances on the catalytic conversion of waste cooking oil. <i>Molecular Catalysis</i> , 2020 , 494, 111128	3.3	18
94	Valorisation of Agricultural Waste Residues 2020 , 51-85		2
93	Life cycle Approaches for Evaluating Textile Biovalorisation Processes: Sustainable Decision-making in a Circular Economy 2020 , 203-222		1
92	Waste as a Bioresource 2020 , 13-32		1
91	Biotechnological Production of Organic Acids from Renewable Resources. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2019 , 166, 373-410	1.7	12

90	Efficient succinic acid production using a biochar-treated textile waste hydrolysate in an in situ fibrous bed bioreactor. <i>Biochemical Engineering Journal</i> , 2019 , 149, 107249	4.2	21
89	Efficient sophorolipids production using food waste. <i>Journal of Cleaner Production</i> , 2019 , 232, 1-11	10.3	48
88	Co-fermentation of glucose and xylose from sugarcane bagasse into succinic acid by <i>Yarrowia lipolytica</i> . <i>Biochemical Engineering Journal</i> , 2019 , 148, 108-115	4.2	53
87	Cultivation of oleaginous microalga <i>Scenedesmus obliquus</i> coupled with wastewater treatment for enhanced biomass and lipid production. <i>Biochemical Engineering Journal</i> , 2019 , 148, 162-169	4.2	32
86	Microwave-Assisted Homogeneous Acid Catalysis and Chemoenzymatic Synthesis of Dialkyl Succinate in a Flow Reactor. <i>Catalysts</i> , 2019 , 9, 272	4	8
85	Bio-refinery of waste streams for green and efficient succinic acid production by engineered <i>Yarrowia lipolytica</i> without pH control. <i>Chemical Engineering Journal</i> , 2019 , 371, 804-812	14.7	28
84	Substrate-Related Factors Affecting Cellulosome-Induced Hydrolysis for Lignocellulose Valorization. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	15
83	Recent trends in green and sustainable chemistry: rethinking textile waste in a circular economy. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2019 , 20, 1-10	7.9	29
82	Recent advancement in lignin biorefinery: With special focus on enzymatic degradation and valorization. <i>Bioresource Technology</i> , 2019 , 291, 121898	11	40
81	Bio-Feedstocks 2019 , 167-173		1
80	Ultrasonic pretreatment of food waste to accelerate enzymatic hydrolysis for glucose production. <i>Ultrasonics Sonochemistry</i> , 2019 , 53, 77-82	8.9	24
79	Biorefinery of food and beverage waste valorisation for sugar syrups production: Techno-economic assessment. <i>Chemical Engineering Research and Design</i> , 2019 , 121, 194-208	5.5	13
78	Recovery of Glucose and Polyester from Textile Waste by Enzymatic Hydrolysis. <i>Waste and Biomass Valorization</i> , 2019 , 10, 3763-3772	3.2	18
77	<i>Starmerella bombicola</i> : recent advances on sophorolipid production and prospects of waste stream utilization. <i>Journal of Chemical Technology and Biotechnology</i> , 2019 , 94, 999-1007	3.5	34
76	Enhanced Purification Efficiency and Thermal Tolerance of <i>Thermoanaerobacterium aotearoense</i> Xylosidase through Aggregation Triggered by Short Peptides. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 4182-4188	5.7	5
75	Techno-economic analysis of a food waste valorisation process for lactic acid, lactide and poly(lactic acid) production. <i>Journal of Cleaner Production</i> , 2018 , 181, 72-87	10.3	79
74	Valorisation of food and beverage waste via saccharification for sugars recovery. <i>Bioresource Technology</i> , 2018 , 255, 67-75	11	29
73	Chemical transformation of food and beverage waste-derived fructose to hydroxymethylfurfural as a value-added product. <i>Catalysis Today</i> , 2018 , 314, 70-77	5.3	34

72	Hydrolysis of fruit and vegetable waste for efficient succinic acid production with engineered <i>Yarrowia lipolytica</i> . <i>Journal of Cleaner Production</i> , 2018 , 179, 151-159	10.3	50
71	Trends in food waste valorization for the production of chemicals, materials and fuels: Case study South and Southeast Asia. <i>Bioresource Technology</i> , 2018 , 248, 100-112	11	92
70	Valorisation of textile waste by fungal solid state fermentation: An example of circular waste-based biorefinery. <i>Resources, Conservation and Recycling</i> , 2018 , 129, 27-35	11.9	61
69	Green and sustainable succinic acid production from crude glycerol by engineered <i>Yarrowia lipolytica</i> via agricultural residue based in situ fibrous bed bioreactor. <i>Bioresource Technology</i> , 2018 , 249, 612-619	11	54
68	Textile waste valorization using submerged filamentous fungal fermentation. <i>Chemical Engineering Research and Design</i> , 2018 , 118, 143-151	5.5	28
67	High fructose syrup production from mixed food and beverage waste hydrolysate at laboratory and pilot scales. <i>Food and Bioproducts Processing</i> , 2018 , 111, 141-152	4.9	8
66	Recent Trends in Green and Sustainable Chemistry & Waste Valorisation: Rethinking Plastics in a circular economy. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2018 , 9, 30-39	7.9	75
65	Efficient metabolic evolution of engineered for succinic acid production using a glucose-based medium in an in situ fibrous bioreactor under low-pH condition. <i>Biotechnology for Biofuels</i> , 2018 , 11, 236	7.8	20
64	Optimisation of fungal cellulase production from textile waste using experimental design. <i>Chemical Engineering Research and Design</i> , 2018 , 118, 133-142	5.5	31
63	Succinic acid production using a glycerol-based medium by an engineered strain of <i>Yarrowia lipolytica</i> : Statistical optimization and preliminary economic feasibility study. <i>Biochemical Engineering Journal</i> , 2018 , 137, 305-313	4.2	15
62	Continuous ultrasonic-mediated solvent extraction of lactic acid from fermentation broths. <i>Journal of Cleaner Production</i> , 2017 , 145, 142-150	10.3	36
61	Mechanistic study of atenolol, acebutolol and carbamazepine adsorption on waste biomass derived activated carbon. <i>Journal of Molecular Liquids</i> , 2017 , 241, 386-398	6	66
60	Restoring of Glucose Metabolism of Engineered <i>Yarrowia lipolytica</i> for Succinic Acid Production via a Simple and Efficient Adaptive Evolution Strategy. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 4133-4139	5.7	39
59	Techno-Economic Study and Environmental Assessment of Food Waste Based Biorefinery 2017 , 121-146		3
58	Engineering of unconventional yeast <i>Yarrowia lipolytica</i> for efficient succinic acid production from glycerol at low pH. <i>Metabolic Engineering</i> , 2017 , 42, 126-133	9.7	83
57	Waste Printed Circuit Board (PCB) Recycling Techniques. <i>Topics in Current Chemistry</i> , 2017 , 375, 43	7.2	59
56	Utilization of food waste in continuous flow cultures of the heterotrophic microalga <i>Chlorella pyrenoidosa</i> for saturated and unsaturated fatty acids production. <i>Journal of Cleaner Production</i> , 2017 , 142, 1417-1424	10.3	32
55	Waste Printed Circuit Board (PCB) Recycling Techniques. <i>Topics in Current Chemistry Collections</i> , 2017 , 21-56	1.8	2

54	Recent Trends in Sustainable Textile Waste Recycling Methods: Current Situation and Future Prospects. <i>Topics in Current Chemistry Collections</i> , 2017 , 189-228	1.8	13
53	Bioconversion of beverage waste to high fructose syrup as a value-added product. <i>Food and Bioproducts Processing</i> , 2017 , 105, 179-187	4.9	20
52	Lactic acid fermentation modelling of <i>Streptococcus thermophilus</i> YI-B1 and <i>Lactobacillus casei</i> Shirota using food waste derived media. <i>Biochemical Engineering Journal</i> , 2017 , 127, 97-109	4.2	23
51	Recent Trends in Sustainable Textile Waste Recycling Methods: Current Situation and Future Prospects. <i>Topics in Current Chemistry</i> , 2017 , 375, 76	7.2	60
50	Efficient ZnO aqueous nanoparticle catalysed lactide synthesis for poly(lactic acid) fibre production from food waste. <i>Journal of Cleaner Production</i> , 2017 , 165, 157-167	10.3	22
49	Study of quench effect on heavy metal uptake efficiency by an aluminosilicate-based material. <i>Chemical Engineering Journal</i> , 2017 , 311, 37-45	14.7	13
48	High efficiency succinic acid production from glycerol via in situ fibrous bed bioreactor with an engineered <i>Yarrowia lipolytica</i> . <i>Bioresource Technology</i> , 2017 , 225, 9-16	11	56
47	Advances on Waste Valorization: New Horizons for a More Sustainable Society 2017 , 23-66		1
46	Valorisation of food waste via fungal hydrolysis and lactic acid fermentation with <i>Lactobacillus casei</i> Shirota. <i>Bioresource Technology</i> , 2016 , 217, 129-36	11	79
45	Valorization of organic residues for the production of added value chemicals: A contribution to the bio-based economy. <i>Biochemical Engineering Journal</i> , 2016 , 116, 3-16	4.2	68
44	Newly Developed Techniques on Polycondensation, Ring-Opening Polymerization and Polymer Modification: Focus on Poly(Lactic Acid). <i>Materials</i> , 2016 , 9,	3.5	69
43	Robust succinic acid production from crude glycerol using engineered <i>Yarrowia lipolytica</i> . <i>Biotechnology for Biofuels</i> , 2016 , 9, 179	7.8	101
42	Valorization of bakery waste for biocolorant and enzyme production by <i>Monascus purpureus</i> . <i>Journal of Biotechnology</i> , 2016 , 231, 55-64	3.7	47
41	Valorization of an Electronic Waste-Derived Aluminosilicate: Surface Functionalization and Porous Structure Tuning. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 2980-2989	8.3	9
40	Aqueous mercury adsorption by activated carbons. <i>Water Research</i> , 2015 , 73, 37-55	12.5	186
39	Exploring medium-chain-length polyhydroxyalkanoates production in the engineered yeast <i>Yarrowia lipolytica</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2015 , 42, 1255-62	4.2	29
38	Techno-economic evaluation of biodiesel production from waste cooking oil--a case study of Hong Kong. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 4362-71	6.3	87
37	Solid state fermentation of waste bread pieces by <i>Aspergillus awamori</i> : Analysing the effects of airflow rate on enzyme production in packed bed bioreactors. <i>Food and Bioproducts Processing</i> , 2015 , 95, 63-75	4.9	41

36	Conversion of lipid from food waste to biodiesel. <i>Waste Management</i> , 2015 , 41, 169-73	8.6	88
35	Valorisation of mixed bakery waste in non-sterilized fermentation for L-lactic acid production by an evolved <i>Thermoanaerobacterium</i> sp. strain. <i>Bioresource Technology</i> , 2015 , 198, 47-54	11	30
34	Kinetic Analysis of a Crude Enzyme Extract Produced via Solid State Fermentation of Bakery Waste. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 2043-2048	8.3	41
33	Techno-economic analysis of a food waste valorization process via microalgae cultivation and co-production of plasticizer, lactic acid and animal feed from algal biomass and food waste. <i>Bioresource Technology</i> , 2015 , 198, 292-9	11	97
32	Toward environmentally-benign utilization of nonmetallic fraction of waste printed circuit boards as modifier and precursor. <i>Waste Management</i> , 2015 , 35, 236-46	8.6	54
31	Plasticizer and surfactant formation from food-waste- and algal biomass-derived lipids. <i>ChemSusChem</i> , 2015 , 8, 1686-91	8.3	38
30	A critical review on preparation, characterization and utilization of sludge-derived activated carbons for wastewater treatment. <i>Chemical Engineering Journal</i> , 2015 , 260, 895-906	14.7	259
29	Waste printed circuit board recycling techniques and product utilization. <i>Journal of Hazardous Materials</i> , 2015 , 283, 234-43	12.8	208
28	Optimization of Fermentation Medium for Extracellular Lipase Production from <i>Aspergillus niger</i> Using Response Surface Methodology. <i>BioMed Research International</i> , 2015 , 2015, 497462	3	17
27	Fatty acid feedstock preparation and lactic acid production as integrated processes in mixed restaurant food and bakery wastes treatment. <i>Food Research International</i> , 2015 , 73, 52-61	7	46
26	Pretreatment and Thermochemical and Biological Processing of Biomass 2015 , 53-88		3
25	Valorization of industrial waste and by-product streams via fermentation for the production of chemicals and biopolymers. <i>Chemical Society Reviews</i> , 2014 , 43, 2587-627	58.5	368
24	To be or not to be metal-free: trends and advances in coupling chemistries. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 10-35	3.9	55
23	Lipids from food waste as feedstock for biodiesel production: Case Hong Kong. <i>Lipid Technology</i> , 2014 , 26, 206-209		38
22	Current and future trends in food waste valorization for the production of chemicals, materials and fuels: a global perspective. <i>Biofuels, Bioproducts and Biorefining</i> , 2014 , 8, 686-715	5.3	122
21	Recycling of food waste as nutrients in <i>Chlorella vulgaris</i> cultivation. <i>Bioresource Technology</i> , 2014 , 170, 144-151	11	55
20	Conversion of an aluminosilicate-based waste material to high-value efficient adsorbent. <i>Chemical Engineering Journal</i> , 2014 , 256, 415-420	14.7	23
19	Nanoparticle tracking analysis of gold nanomaterials stabilized by various capping agents. <i>RSC Advances</i> , 2014 , 4, 17114	3.7	16

18	Fungal hydrolysis in submerged fermentation for food waste treatment and fermentation feedstock preparation. <i>Bioresource Technology</i> , 2014 , 158, 48-54	11	100
17	Fermentative polyhydroxybutyrate production from a novel feedstock derived from bakery waste. <i>BioMed Research International</i> , 2014 , 2014, 819474	3	34
16	Food Waste Valorisation for High Value Chemicals and Energy Production. <i>ACS Symposium Series</i> , 2014 , 187-202	0.4	1
15	Mixed food waste as renewable feedstock in succinic acid fermentation. <i>Applied Biochemistry and Biotechnology</i> , 2014 , 174, 1822-33	3.2	62
14	Valorisation of food waste to biofuel: current trends and technological challenges. <i>Sustainable Chemical Processes</i> , 2014 , 2,		5 ¹
13	Economic feasibility of a pilot-scale fermentative succinic acid production from bakery wastes. <i>Food and Bioprocess Processing</i> , 2014 , 92, 282-290	4.9	62
12	Food waste as nutrient source in heterotrophic microalgae cultivation. <i>Bioresource Technology</i> , 2013 , 137, 139-46	11	234
11	Valorisation of food waste in biotechnological processes. <i>Sustainable Chemical Processes</i> , 2013 , 1,		60
10	Advances on waste valorization: new horizons for a more sustainable society. <i>Energy Science and Engineering</i> , 2013 , 1, 53-71	3.4	156
9	Valorisation of bakery waste for succinic acid production. <i>Green Chemistry</i> , 2013 , 15, 690	10	137
8	Kinetic studies on the multi-enzyme solution produced via solid state fermentation of waste bread by <i>Aspergillus awamori</i> . <i>Biochemical Engineering Journal</i> , 2013 , 80, 76-82	4.2	52
7	Stepwise optimisation of enzyme production in solid state fermentation of waste bread pieces. <i>Food and Bioprocess Processing</i> , 2013 , 91, 638-646	4.9	61
6	Food waste as a valuable resource for the production of chemicals, materials and fuels. Current situation and global perspective. <i>Energy and Environmental Science</i> , 2013 , 6, 426	35.4	726
5	Iron oxide functionalised MIL-101 materials in aqueous phase selective oxidations. <i>Applied Catalysis A: General</i> , 2013 , 455, 261-266	5.1	35
4	Natural porous agar materials from macroalgae. <i>Carbohydrate Polymers</i> , 2013 , 92, 1555-60	10.3	20
3	Production of fungal glucoamylase for glucose production from food waste. <i>Biomolecules</i> , 2013 , 3, 651-659	5.19	30
2	Utilisation of waste bread for fermentative succinic acid production. <i>Biochemical Engineering Journal</i> , 2012 , 65, 10-15	4.2	173
1	An overview of cotton and polyester, and their blended waste textile valorisation to value-added products: A circular economy approach [Research trends, opportunities and challenges. <i>Critical Reviews in Environmental Science and Technology</i> , 1-22	11.1	7

