

# Kenta Morita

## 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.

126  
papers

2,460  
citations

27  
h-index

42  
g-index

133  
ext. papers

2,906  
ext. citations

6.3  
avg, IF

5.2  
L-index

#	Paper	IF	Citations
126	Manno-Oligosaccharide Production from Biomass Hydrolysis by Using Endo-1,4- $\beta$ -Mannanase (ManNj6-379) from <i>Nonomuraea jabiensis</i> ID06-379. <i>Processes</i> , <b>2022</b> , 10, 269	2.9	0
125	Recent advances in lignocellulosic biomass white biotechnology for bioplastics. <i>Bioresource Technology</i> , <b>2022</b> , 344, 126165	11	3
124	An integrated biorefinery strategy for the utilization of palm-oil wastes. <i>Bioresource Technology</i> , <b>2022</b> , 344, 126266	11	3
123	Integrated bioconversion process for biodiesel production utilizing waste from the palm oil industry. <i>Journal of Environmental Chemical Engineering</i> , <b>2022</b> , 10, 107550	6.8	1
122	Reactive oxygen species-inducing titanium peroxide nanoparticles as promising radiosensitizers for eliminating pancreatic cancer stem cells.. <i>Journal of Experimental and Clinical Cancer Research</i> , <b>2022</b> , 41, 146	12.8	0
121	Image contrast assessment of metal-based nanoparticles as applications for image-guided radiation therapy. <i>Physics and Imaging in Radiation Oncology</i> , <b>2021</b> , 20, 94-97	3.1	
120	Microenvironment pH-Induced Selective Cell Death for Potential Cancer Therapy Using Nanofibrous Self-Assembly of a Peptide Amphiphile. <i>Biomacromolecules</i> , <b>2021</b> , 22, 2524-2531	6.9	5
119	Ultrahigh Thermoresistant Lightweight Bioplastics Developed from Fermentation Products of Cellulosic Feedstock. <i>Advanced Sustainable Systems</i> , <b>2021</b> , 5, 2000193	5.9	7
118	Preparation of affinity membranes using polymer phase separation and azido-containing surfactants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 611, 125802	5.1	1
117	Titanium oxide nano-radiosensitizers for hydrogen peroxide delivery into cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2021</b> , 198, 111451	6	7
116	Comparative analyses of site-directed mutagenesis of human melatonin MTNR1A and MTNR1B receptors using a yeast fluorescent biosensor. <i>Biotechnology and Bioengineering</i> , <b>2021</b> , 118, 863-876	4.9	
115	Constitutive cell surface expression of ZZ domain for the easy preparation of yeast-based immunosorbents. <i>Journal of General and Applied Microbiology</i> , <b>2021</b> ,	1.5	1
114	Covalent immobilization of gold nanoparticles on a plastic substrate and subsequent immobilization of biomolecules.. <i>RSC Advances</i> , <b>2021</b> , 11, 23409-23417	3.7	1
113	Utilizing palm oil mill effluent (POME) for the immobilization of <i>Aspergillus oryzae</i> whole-cell lipase strains for biodiesel synthesis. <i>Biofuels, Bioproducts and Biorefining</i> , <b>2021</b> , 15, 804-814	5.3	3
112	Accelerated glucose metabolism in hyphae-dispersed <i>Aspergillus oryzae</i> is suitable for biological production. <i>Journal of Bioscience and Bioengineering</i> , <b>2021</b> , 132, 140-147	3.3	2
111	Enhanced production of $\beta$ -amino acid 3-amino-4-hydroxybenzoic acid by recombinant <i>Corynebacterium glutamicum</i> under oxygen limitation.. <i>Microbial Cell Factories</i> , <b>2021</b> , 20, 228	6.4	
110	High Enzymatic Recovery and Purification of Xylooligosaccharides from Empty Fruit Bunch via Nanofiltration. <i>Processes</i> , <b>2020</b> , 8, 619	2.9	6

109	A Comparative Assessment of Mechanisms and Effectiveness of Radiosensitization by Titanium Peroxide and Gold Nanoparticles. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	4
108	Samarium doped titanium dioxide nanoparticles as theranostic agents in radiation therapy. <i>Physica Medica</i> , <b>2020</b> , 75, 69-76	2.7	7
107	Pyruvate metabolism redirection for biological production of commodity chemicals in aerobic fungus <i>Aspergillus oryzae</i> . <i>Metabolic Engineering</i> , <b>2020</b> , 61, 225-237	9.7	5
106	Exploration and Evaluation of Machine Learning-Based Models for Predicting Enzymatic Reactions. <i>Journal of Chemical Information and Modeling</i> , <b>2020</b> , 60, 1833-1843	6.1	7
105	Solidification Microstructure and Magnetic Properties of Ag-Rich Ag-Cu-Al-Fe Immiscible Alloys. <i>Materials Transactions</i> , <b>2020</b> , 61, 311-317	1.3	3
104	Utilisation of the chemiluminescence method to measure the radiation dose enhancement caused by gold nanoparticles: A phantom-based study. <i>Radiation Measurements</i> , <b>2020</b> , 134, 106317	1.5	3
103	Evaluation of the Z-BNC/LP Carrier Encapsulating an Anticancer Drug and a Radiosensitizer.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 7743-7751	4.1	0
102	Lipase-catalyzed ethanolsis for biodiesel production of untreated palm oil mill effluent. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 1105-1111	5.8	18
101	Biodiesel-mediated biodiesel production: A recombinant <i>Fusarium heterosporum</i> lipase-catalyzed transesterification of crude plant oils. <i>Fuel Processing Technology</i> , <b>2020</b> , 199, 106278	7.2	12
100	Valorization of palm biomass waste into carbon matrices for the immobilization of recombinant <i>Fusarium heterosporum</i> lipase towards palm biodiesel synthesis. <i>Biomass and Bioenergy</i> , <b>2020</b> , 142, 105768	5.3	11
99	Stable near-infrared photoluminescence from silicon quantum dot/Bovine serum albumin composites. <i>MRS Communications</i> , <b>2020</b> , 10, 680-686	2.7	0
98	Investigation of the potential of using TiO <sub>2</sub> nanoparticles as a contrast agent in computed tomography and magnetic resonance imaging. <i>Applied Nanoscience (Switzerland)</i> , <b>2020</b> , 10, 3143-3148	3.3	9
97	Concentration of Lipase from <i>Aspergillus oryzae</i> Expressing <i>Fusarium heterosporum</i> by Nanofiltration to Enhance Transesterification. <i>Processes</i> , <b>2020</b> , 8, 450	2.9	2
96	Versatility of a Dilute Acid/Butanol Pretreatment Investigated on Various Lignocellulosic Biomasses to Produce Lignin, Monosaccharides and Cellulose in Distinct Phases. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 11069-11079	8.3	28
95	Cell-surface display technology and metabolic engineering of <i>Saccharomyces cerevisiae</i> for enhancing xylitol production from woody biomass. <i>Green Chemistry</i> , <b>2019</b> , 21, 1795-1808	10	22
94	Bioenergy and Biorefinery: Feedstock, Biotechnological Conversion, and Products. <i>Biotechnology Journal</i> , <b>2019</b> , 14, e1800494	5.6	26
93	Valorization of Activated Carbon as a Reusable Matrix for the Immobilization of <i>Aspergillus oryzae</i> Whole-Cells Expressing <i>Fusarium heterosporum</i> Lipase toward Biodiesel Synthesis. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 5010-5017	8.3	9
92	Efficient and Supplementary Enzyme Cocktail from Actinobacteria and Plant Biomass Induction. <i>Biotechnology Journal</i> , <b>2019</b> , 14, e1700744	5.6	3

91	Combined Cell Surface Display of $\beta$ -Glucosidase (BGL), Maltose Transporter (MAL11), and Overexpression of Cytosolic Xylose Reductase (XR) in <i>Saccharomyces cerevisiae</i> Enhance Cellobiose/Xylose Couitilization for Xylitol Bioproduction from Lignocellulosic Biomass. <i>Biotechnology Journal</i> , <b>2019</b> , 14, e1800704	5.6	11
90	Bio-processing of algal bio-refinery: a review on current advances and future perspectives. <i>Bioengineered</i> , <b>2019</b> , 10, 574-592	5.7	75
89	Enhanced Phenyllactic Acid Production in <i>Escherichia coli</i> Via Oxygen Limitation and Shikimate Pathway Gene Expression. <i>Biotechnology Journal</i> , <b>2019</b> , 14, e1800478	5.6	11
88	Modified expression of multi-cellulases in a filamentous fungus <i>Aspergillus oryzae</i> . <i>Bioresource Technology</i> , <b>2019</b> , 276, 146-153	11	18
87	Lipid production by <i>Lipomyces starkeyi</i> using sap squeezed from felled old oil palm trunks. <i>Journal of Bioscience and Bioengineering</i> , <b>2019</b> , 127, 726-731	3.3	10
86	Surface-functionalization of isotactic polypropylene via dip-coating with a methacrylate-based terpolymer containing perfluoroalkyl groups and poly(ethylene glycol). <i>Polymer Journal</i> , <b>2019</b> , 51, 489-497	3.7	6
85	GH-10 and GH-11 Endo-1,4-Xylanase enzymes from <i>Kitasatospora</i> sp. produce xylose and xylooligosaccharides from sugarcane bagasse with no xylose inhibition. <i>Bioresource Technology</i> , <b>2019</b> , 272, 315-325	11	28
84	In vivo tissue distribution and safety of polyacrylic acid-modified titanium peroxide nanoparticles as novel radiosensitizers. <i>Journal of Bioscience and Bioengineering</i> , <b>2018</b> , 126, 119-125	3.3	9
83	Xylanase and feruloyl esterase from actinomycetes cultures could enhance sugarcane bagasse hydrolysis in the production of fermentable sugars. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2018</b> , 1-12	2.1	7
82	Genotypic effects on sugar and by-products of liquid hydrolysates and on saccharification of acid-insoluble residues from wheat straw. <i>Genes and Genetic Systems</i> , <b>2018</b> , 93, 1-7	1.4	
81	Effect of inoculum size on single-cell oil production from glucose and xylose using oleaginous yeast <i>Lipomyces starkeyi</i> . <i>Journal of Bioscience and Bioengineering</i> , <b>2018</b> , 125, 695-702	3.3	48
80	Effective usage of sorghum bagasse: Optimization of organosolv pretreatment using 25% 1-butanol and subsequent nanofiltration membrane separation. <i>Bioresource Technology</i> , <b>2018</b> , 252, 157-164	11	26
79	Direct and highly productive conversion of cyanobacteria to ethanol with CaCl addition. <i>Biotechnology for Biofuels</i> , <b>2018</b> , 11, 50	7.8	15
78	Metabolic engineering of <i>Corynebacterium glutamicum</i> for production of sunscreen shinorine. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2018</b> , 82, 1252-1259	2.1	10
77	Engineering Human Epidermal Growth Receptor 2-Targeting Hepatitis B Virus Core Nanoparticles for siRNA Delivery and. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 3269-3282	5.6	6
76	A Cancer Treatment Strategy That Combines the Use of Inorganic/Biocomplex Nanoparticles With Conventional Radiation Therapy <b>2018</b> , 439-443		
75	Repeated ethanol fermentation from membrane-concentrated sweet sorghum juice using the flocculating yeast <i>Saccharomyces cerevisiae</i> F118 strain. <i>Bioresource Technology</i> , <b>2018</b> , 265, 542-547	11	8
74	Metabolome analysis-based design and engineering of a metabolic pathway in <i>Corynebacterium glutamicum</i> to match rates of simultaneous utilization of D-glucose and L-arabinose. <i>Microbial Cell Factories</i> , <b>2018</b> , 17, 76	6.4	15

73	Lignocellulose nanofibers prepared by ionic liquid pretreatment and subsequent mechanical nanofibrillation of bagasse powder: Application to esterified bagasse/polypropylene composites. <i>Carbohydrate Polymers</i> , <b>2018</b> , 182, 8-14	10.3	27
72	Development of a strictly regulated xylose-induced expression system in <i>Streptomyces</i> . <i>Microbial Cell Factories</i> , <b>2018</b> , 17, 151	6.4	12
71	Mathematical Model for Small Size Time Series Data of Bacterial Secondary Metabolic Pathways. <i>Bioinformatics and Biology Insights</i> , <b>2018</b> , 12, 1177932218775076	5.3	1
70	DNA-duplex linker for AFM-SELEX of DNA aptamer against human serum albumin. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2017</b> , 27, 954-957	2.9	18
69	Yield Optimisation of Hepatitis B Virus Core Particles in E. coli Expression System for Drug Delivery Applications. <i>Scientific Reports</i> , <b>2017</b> , 7, 43160	4.9	9
68	Caffeic acid production by simultaneous saccharification and fermentation of kraft pulp using recombinant <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2017</b> , 101, 5279-5290	5.7	27
67	Future insights in fungal metabolic engineering. <i>Bioresource Technology</i> , <b>2017</b> , 245, 1314-1326	11	43
66	Affibody-displaying bio-nanocapsules effective in EGFR, typical biomarker, expressed in various cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2017</b> , 27, 336-341	2.9	5
65	Differences in glucose yield of residues from among varieties of rice, wheat, and sorghum after dilute acid pretreatment. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2017</b> , 81, 1650-1656	2.1	2
64	Sucrose purification and repeated ethanol production from sugars remaining in sweet sorghum juice subjected to a membrane separation process. <i>Applied Microbiology and Biotechnology</i> , <b>2017</b> , 101, 6007-6014	5.7	8
63	Development and evaluation of consolidated bioprocessing yeast for ethanol production from ionic liquid-pretreated bagasse. <i>Bioresource Technology</i> , <b>2017</b> , 245, 1413-1420	11	21
62	Glutathione production from mannan-based bioresource by mannanase/mannosidase expressing <i>Saccharomyces cerevisiae</i> . <i>Bioresource Technology</i> , <b>2017</b> , 245, 1400-1406	11	11
61	Mannan endo-1,4- $\beta$ -mannosidase from <i>Kitasatospora</i> sp. isolated in Indonesia and its potential for production of manno oligosaccharides from mannan polymers. <i>AMB Express</i> , <b>2017</b> , 7, 100	4.1	14
60	Mapping of endoglucanases displayed on yeast cell surface using atomic force microscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 151, 134-142	6	3
59	Engineering hepatitis B virus core particles for targeting HER2 receptors in vitro and in vivo. <i>Biomaterials</i> , <b>2017</b> , 120, 126-138	15.6	17
58	Challenges of non-flocculating <i>Saccharomyces cerevisiae</i> haploid strain against inhibitory chemical complex for ethanol production. <i>Bioresource Technology</i> , <b>2017</b> , 245, 1436-1446	11	10
57	Production of chemicals and proteins using biomass-derived substrates from a <i>Streptomyces</i> host. <i>Bioresource Technology</i> , <b>2017</b> , 245, 1655-1663	11	11
56	Microbial conversion of biomass into bio-based polymers. <i>Bioresource Technology</i> , <b>2017</b> , 245, 1664-1673	11	76

55	Biotransformation of ferulic acid to protocatechuic acid by <i>Corynebacterium glutamicum</i> ATCC 21420 engineered to express vanillate O-demethylase. <i>AMB Express</i> , <b>2017</b> , 7, 130	4.1	22
54	Simultaneous conversion of free fatty acids and triglycerides to biodiesel by immobilized <i>Aspergillus oryzae</i> expressing <i>Fusarium heterosporum</i> lipase. <i>Biotechnology Journal</i> , <b>2017</b> , 12, 1600400	5.6	13
53	Direct Ethanol Production from Ionic Liquid-Pretreated Lignocellulosic Biomass by Cellulase-Displaying Yeasts. <i>Applied Biochemistry and Biotechnology</i> , <b>2017</b> , 182, 229-237	3.2	34
52	Acceleration of wound healing by ultrasound activation of TiO in <i>Escherichia coli</i> -infected wounds in mice. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2017</b> , 105, 2344-2351	3.5	10
51	Characterizations of the submerged fermentation of <i>Aspergillus oryzae</i> using a Fullzone impeller in a stirred tank bioreactor. <i>Journal of Bioscience and Bioengineering</i> , <b>2017</b> , 123, 101-108	3.3	4
50	Sonocatalytic injury of cancer cells attached on the surface of a nickel-titanium dioxide alloy plate. <i>Ultrasonics Sonochemistry</i> , <b>2016</b> , 28, 1-6	8.9	4
49	Enhancement of astaxanthin production in <i>Xanthophyllomyces dendrorhous</i> by efficient method for the complete deletion of genes. <i>Microbial Cell Factories</i> , <b>2016</b> , 15, 155	6.4	29
48	Engineering of a novel cellulose-adherent cellulolytic <i>Saccharomyces cerevisiae</i> for cellulosic biofuel production. <i>Scientific Reports</i> , <b>2016</b> , 6, 24550	4.9	34
47	Characterization of titanium dioxide nanoparticles modified with polyacrylic acid and HO for use as a novel radiosensitizer. <i>Free Radical Research</i> , <b>2016</b> , 50, 1319-1328	4	18
46	Organosolv pretreatment of sorghum bagasse using a low concentration of hydrophobic solvents such as 1-butanol or 1-pentanol. <i>Biotechnology for Biofuels</i> , <b>2016</b> , 9, 27	7.8	45
45	Characterization of cellulose nanofiber sheets from different refining processes. <i>Cellulose</i> , <b>2016</b> , 23, 403-414	5.5	33
44	Natural variation in the glucose content of dilute sulfuric acid-pretreated rice straw liquid hydrolysates: implications for bioethanol production. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2016</b> , 80, 863-9	2.1	3
43	Bioprocessing of bio-based chemicals produced from lignocellulosic feedstocks. <i>Current Opinion in Biotechnology</i> , <b>2016</b> , 42, 30-39	11.4	153
42	Nanofiltration concentration of extracellular glutathione produced by engineered <i>Saccharomyces cerevisiae</i> . <i>Journal of Bioscience and Bioengineering</i> , <b>2016</b> , 121, 96-100	3.3	5
41	Production of protocatechuic acid by <i>Corynebacterium glutamicum</i> expressing chorismate-pyruvate lyase from <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2016</b> , 100, 135-145	5.7	42
40	Study of Titanium Peroxide Nanoparticles for Novel Radiation Therapy. <i>Hosokawa Powder Technology Foundation ANNUAL REPORT</i> , <b>2016</b> , 24, 30-34	0	
39	Lipase cocktail for efficient conversion of oils containing phospholipids to biodiesel. <i>Bioresource Technology</i> , <b>2016</b> , 211, 224-30	11	41
38	Titanium peroxide nanoparticles enhanced cytotoxic effects of X-ray irradiation against pancreatic cancer model through reactive oxygen species generation in vitro and in vivo. <i>Radiation Oncology</i> , <b>2016</b> , 11, 91	4.2	55

37	From mannan to bioethanol: cell surface co-display of $\beta$ mannanase and $\beta$ mannosidase on yeast <i>Saccharomyces cerevisiae</i> . <i>Biotechnology for Biofuels</i> , <b>2016</b> , 9, 188	7.8	22
36	Mechanical milling and membrane separation for increased ethanol production during simultaneous saccharification and co-fermentation of rice straw by xylose-fermenting <i>Saccharomyces cerevisiae</i> . <i>Bioresource Technology</i> , <b>2015</b> , 185, 263-8	11	26
35	Precipitate obtained following membrane separation of hydrothermally pretreated rice straw liquid revealed by 2D NMR to have high lignin content. <i>Biotechnology for Biofuels</i> , <b>2015</b> , 8, 88	7.8	20
34	Saccharification and ethanol fermentation from cholinium ionic liquid-pretreated bagasse with a different number of post-pretreatment washings. <i>Bioresource Technology</i> , <b>2015</b> , 189, 203-209	11	31
33	Mutation of arginine residues to avoid non-specific cellular uptakes for hepatitis B virus core particles. <i>Journal of Nanobiotechnology</i> , <b>2015</b> , 13, 15	9.4	3
32	Repeated ethanol production from sweet sorghum juice concentrated by membrane separation. <i>Bioresource Technology</i> , <b>2015</b> , 186, 351-355	11	17
31	Production of d-lactic acid from hardwood pulp by mechanical milling followed by simultaneous saccharification and fermentation using metabolically engineered <i>Lactobacillus plantarum</i> . <i>Bioresource Technology</i> , <b>2015</b> , 187, 167-172	11	59
30	3-Amino-4-hydroxybenzoic acid production from sweet sorghum juice by recombinant <i>Corynebacterium glutamicum</i> . <i>Bioresource Technology</i> , <b>2015</b> , 198, 410-7	11	23
29	Ionic liquid/ultrasound pretreatment and in situ enzymatic saccharification of bagasse using biocompatible cholinium ionic liquid. <i>Bioresource Technology</i> , <b>2015</b> , 176, 169-74	11	68
28	Phenyllactic acid production by simultaneous saccharification and fermentation of pretreated sorghum bagasse. <i>Bioresource Technology</i> , <b>2015</b> , 182, 169-178	11	24
27	Changes in Lignin and Polysaccharide Components in 13 Cultivars of Rice Straw following Dilute Acid Pretreatment as Studied by Solution-State 2D $^1\text{H}$ - $^{13}\text{C}$ NMR. <i>PLoS ONE</i> , <b>2015</b> , 10, e0128417	3.7	21
26	Microbial fluorescence sensing for human neurotensin receptor type 1 using $\beta$ engineered yeast cells. <i>Analytical Biochemistry</i> , <b>2014</b> , 446, 37-43	3.1	14
25	Green synthesis of thiolated graphene nanosheets by alliin (garlic) and its effect on the deposition of gold nanoparticles. <i>RSC Advances</i> , <b>2014</b> , 4, 5986	3.7	6
24	Electro-catalytically active Au@Pt nanoparticles for hydrogen evolution reaction: an insight into a tryptophan mediated supramolecular interface towards a universal core-shell synthesis approach. <i>RSC Advances</i> , <b>2014</b> , 4, 48458-48464	3.7	16
23	Increased ethanol production from sweet sorghum juice concentrated by a membrane separation process. <i>Bioresource Technology</i> , <b>2014</b> , 169, 821-825	11	14
22	Optimized membrane process to increase hemicellulosic ethanol production from pretreated rice straw by recombinant xylose-fermenting <i>Saccharomyces cerevisiae</i> . <i>Bioresource Technology</i> , <b>2014</b> , 169, 380-386	11	15
21	Pretreatment of Japanese cedar by ionic liquid solutions in combination with acid and metal ion and its application to high solid loading. <i>Biotechnology for Biofuels</i> , <b>2014</b> , 7, 120	7.8	14
20	L-lactic acid production from starch by simultaneous saccharification and fermentation in a genetically engineered <i>Aspergillus oryzae</i> pure culture. <i>Bioresource Technology</i> , <b>2014</b> , 173, 376-383	11	29

19	Disruption of <i>pknG</i> enhances production of gamma-aminobutyric acid by <i>Corynebacterium glutamicum</i> expressing glutamate decarboxylase. <i>AMB Express</i> , <b>2014</b> , 4, 20	4.1	50
18	The effect of combining signal sequences with the N28 fragment on GFP production in <i>Aspergillus oryzae</i> . <i>Process Biochemistry</i> , <b>2014</b> , 49, 1078-1083	4.8	2
17	Development of a multi-gene expression system in <i>Xanthophyllomyces dendrorhous</i> . <i>Microbial Cell Factories</i> , <b>2014</b> , 13, 175	6.4	25
16	Targeted sonocatalytic cancer cell injury using avidin-conjugated titanium dioxide nanoparticles. <i>Ultrasonics Sonochemistry</i> , <b>2014</b> , 21, 1624-8	8.9	46
15	Improvement of enzymatic activity of $\beta$ -glucosidase from <i>Thermotoga maritima</i> by 1-butyl-3-methylimidazolium acetate. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2014</b> , 104, 17-22		10
14	Induction of apoptosis associated with chromosomal DNA fragmentation and caspase-3 activation in leukemia L1210 cells by TiO <sub>2</sub> nanoparticles. <i>Journal of Bioscience and Bioengineering</i> , <b>2014</b> , 117, 129-33	3.3	18
13	Efficient direct ethanol production from cellulose by cellulase- and cellodextrin transporter-co-expressing <i>Saccharomyces cerevisiae</i> . <i>AMB Express</i> , <b>2013</b> , 3, 34	4.1	29
12	Green synthesis of Au, Pd and Au@Pd core-shell nanoparticles via a tryptophan induced supramolecular interface. <i>RSC Advances</i> , <b>2013</b> , 3, 18367	3.7	18
11	Particle size for photocatalytic activity of anatase TiO <sub>2</sub> nanosheets with highly exposed {001} facets. <i>RSC Advances</i> , <b>2013</b> , 3, 19268	3.7	26
10	Ethanol fermentation by xylose-assimilating <i>Saccharomyces cerevisiae</i> using sugars in a rice straw liquid hydrolysate concentrated by nanofiltration. <i>Bioresource Technology</i> , <b>2013</b> , 147, 84-88	11	18
9	Direct bioethanol production from cellulose by the combination of cellulase-displaying yeast and ionic liquid pretreatment. <i>Green Chemistry</i> , <b>2011</b> , 13, 2948	10	58
8	Highly efficient biodiesel production by a whole-cell biocatalyst employing a system with high lipase expression in <i>Aspergillus oryzae</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2011</b> , 90, 1171-7	5.7	27
7	Protein-protein interactions and selection: yeast-based approaches that exploit guanine nucleotide-binding protein signaling. <i>FEBS Journal</i> , <b>2010</b> , 277, 1982-95	5.7	25
6	Importance of asparagine residues at positions 13 and 26 on the amino-terminal domain of human somatostatin receptor subtype-5 in signalling. <i>Journal of Biochemistry</i> , <b>2010</b> , 147, 867-73	3.1	22
5	Cocktail delta-integration: a novel method to construct cellulolytic enzyme expression ratio-optimized yeast strains. <i>Microbial Cell Factories</i> , <b>2010</b> , 9, 32	6.4	121
4	Biofunctional TiO <sub>2</sub> nanoparticle-mediated photokilling of cancer cells using UV irradiation. <i>MedChemComm</i> , <b>2010</b> , 1, 209	5	23
3	Production of biodiesel fuel from soybean oil catalyzed by fungus whole-cell biocatalysts in ionic liquids. <i>Enzyme and Microbial Technology</i> , <b>2010</b> , 46, 51-55	3.8	80
2	Yeast-based fluorescence reporter assay of G protein-coupled receptor signalling for flow cytometric screening: FAR1-disruption recovers loss of episomal plasmid caused by signalling in yeast. <i>Journal of Biochemistry</i> , <b>2008</b> , 143, 667-74	3.1	29



1 Properties of TiO<sub>2</sub>-polyacrylic acid dispersions with potential for molecular recognition. *Colloids and Surfaces B: Biointerfaces*, **2008**, 64, 10-5 6 38