

John M Ward

List of Publications by Year in descending order

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187
papers

11,412
citations

26630

56
h-index

33894

99
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260
all docs

260
docs citations

260
times ranked

11582
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel transaminases from thermophiles: from discovery to application. <i>Microbial Biotechnology</i> , 2022, 15, 305-317.	4.2	9
2	Posttranslational regulation of transporters important for symbiotic interactions. <i>Plant Physiology</i> , 2022, 188, 941-954.	4.8	1
3	Liquid-microjet photoelectron spectroscopy of the green fluorescent protein chromophore. <i>Nature Communications</i> , 2022, 13, 507.	12.8	10
4	Voltage- and Ca ²⁺ -dependent SV/TPC1 ion channel structure at the onset of opening. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2200610119.	7.1	1
5	Characterisation of a hyperthermophilic transketolase from <i>Thermotoga maritima</i> DSM3109 as a biocatalyst for 7-keto-octuronic acid synthesis. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 6493-6500.	2.8	8
6	A photoelectron imaging study of the deprotonated GFP chromophore anion and RNA fluorescent tags. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 19911-19922.	2.8	3
7	A Palette of Minimally Tagged Sucrose Analogues for Real-Time Raman Imaging of Intracellular Plant Metabolism. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7637-7642.	13.8	24
8	A Palette of Minimally Tagged Sucrose Analogues for Real-Time Raman Imaging of Intracellular Plant Metabolism. <i>Angewandte Chemie</i> , 2021, 133, 7715-7720.	2.0	8
9	A cell engineering approach to enzyme-based fed-batch fermentation. <i>Microbial Cell Factories</i> , 2021, 20, 146.	4.0	2
10	Multienzyme One-Pot Cascades Incorporating Methyltransferases for the Strategic Diversification of Tetrahydroisoquinoline Alkaloids. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18673-18679.	13.8	23
11	Multienzyme One-Pot Cascades Incorporating Methyltransferases for the Strategic Diversification of Tetrahydroisoquinoline Alkaloids. <i>Angewandte Chemie</i> , 2021, 133, 18821-18827.	2.0	7
12	Direct Conversion of Hydrazones to Amines using Transaminases. <i>ChemCatChem</i> , 2021, 13, 4520-4523.	3.7	3
13	Engineering transketolase to accept both unnatural donor and acceptor substrates and produce β -hydroxyketones. <i>FEBS Journal</i> , 2020, 287, 1758-1776.	4.7	16
14	<i>Phaseolus vulgaris</i> SUT1.1 is a high affinity sucrose-proton co-transporter. <i>Plant Direct</i> , 2020, 4, e00260.	1.9	3
15	Single step syntheses of (1S)-aryl-tetrahydroisoquinolines by norcochlorine synthases. <i>Communications Chemistry</i> , 2020, 3, .	4.5	10
16	pET expression vector customized for efficient seamless cloning. <i>BioTechniques</i> , 2020, 69, 384-387.	1.8	6
17	Identification and catalytic properties of new epoxide hydrolases from the genomic data of soil bacteria. <i>Enzyme and Microbial Technology</i> , 2020, 139, 109592.	3.2	9
18	<i>Arabidopsis</i> Sucrose Transporter AtSuc1 introns act as strong enhancers of expression. <i>Plant and Cell Physiology</i> , 2020, 61, 1054-1063.	3.1	11

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19	Pictetâ€“Spenglerases in alkaloid biosynthesis: Future applications in biocatalysis. <i>Current Opinion in Chemical Biology</i> , 2020, 55, 69-76.	6.1	66
20	Understanding transport processes in lichen, <i>Azolla</i> â€“cyanobacteria, ectomycorrhiza, endomycorrhiza, and rhizobiaâ€“legume symbiotic interactions. <i>F1000Research</i> , 2020, 9, 39.	1.6	24
21	Virus lasers for biological detection. <i>Nature Communications</i> , 2019, 10, 3594.	12.8	27
22	The role of amino acids in the amplification and quality of DNA vectors for industrial applications. <i>Biotechnology Progress</i> , 2019, 35, e2883.	2.6	5
23	Application of Plasmid Engineering to Enhance Yield and Quality of Plasmid for Vaccine and Gene Therapy. <i>Bioengineering</i> , 2019, 6, 54.	3.5	7
24	Acceptance and Kinetic Resolution of $\hat{\pm}$ -Methyl-Substituted Aldehydes by Norcochlorine Synthases. <i>ACS Catalysis</i> , 2019, 9, 9640-9649.	11.2	30
25	The identification and use of robust transaminases from a domestic drain metagenome. <i>Green Chemistry</i> , 2019, 21, 75-86.	9.0	47
26	Aminopolyols from Carbohydrates: Amination of Sugars and Sugarâ€“Derived Tetrahydrofurans with Transaminases. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3854-3858.	13.8	23
27	Design and Use of de novo Cascades for the Biosynthesis of New Benzyloquinoline Alkaloids. <i>Angewandte Chemie</i> , 2019, 131, 10226-10231.	2.0	6
28	Biomimetic Phosphate-Catalyzed Pictetâ€“Spengler Reaction for the Synthesis of 1,1â€“Disubstituted and Spiro-Tetrahydroisoquinoline Alkaloids. <i>Journal of Organic Chemistry</i> , 2019, 84, 7702-7710.	3.2	13
29	Design and Use of de novo Cascades for the Biosynthesis of New Benzyloquinoline Alkaloids. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10120-10125.	13.8	34
30	Metagenomic ene-reductases for the bioreduction of sterically challenging enones. <i>RSC Advances</i> , 2019, 9, 36608-36614.	3.6	13
31	Potential of sugar beet vinasse as a feedstock for biocatalyst production within an integrated biorefinery context. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 739-751.	3.2	5
32	Novel extremophilic proteases from <i>Pseudomonas aeruginosa</i> M211 and their application in the hydrolysis of dried distiller's grain with solubles. <i>Biotechnology Progress</i> , 2019, 35, e2728.	2.6	7
33	Protein CoAlation and antioxidant function of coenzyme A in prokaryotic cells. <i>Biochemical Journal</i> , 2018, 475, 1909-1937.	3.7	60
34	MpAMT1;2 from <i>Marchantia polymorpha</i> is a High-Affinity, Plasma Membrane Ammonium Transporter. <i>Plant and Cell Physiology</i> , 2018, 59, 997-1005.	3.1	10
35	One-pot chemoenzymatic synthesis of trolline and tetrahydroisoquinoline analogues. <i>Chemical Communications</i> , 2018, 54, 1323-1326.	4.1	36
36	Probing binding specificity of the sucrose transporter AtSUC2 with fluorescent coumarin glucosides. <i>Journal of Experimental Botany</i> , 2018, 69, 2473-2482.	4.8	15

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37	Enzymatic synthesis of chiral amino alcohols by coupling transketolase and transaminase catalyzed reactions in a cascading continuous-flow microreactor system. <i>Biotechnology and Bioengineering</i> , 2018, 115, 586-596.	3.3	41
38	Library of Norcochlorine Synthases and Their Immobilization for Biocatalytic Transformations. <i>Biotechnology Journal</i> , 2018, 13, e1700542.	3.5	17
39	Simplified lipid II-binding antimicrobial peptides: Design, synthesis and antimicrobial activity of bioconjugates of nisin rings A and B with pore-forming peptides. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 5691-5700.	3.0	14
40	One-pot, two-step transaminase and transketolase synthesis of l-gluco-heptulose from l-arabinose. <i>Enzyme and Microbial Technology</i> , 2018, 116, 16-22.	3.2	22
41	Optimisation of enzyme cascades for chiral amino alcohol synthesis in aid of host cell integration using a statistical experimental design approach. <i>Journal of Biotechnology</i> , 2018, 281, 150-160.	3.8	6
42	The use of a surface active agent in the protection of a fusion protein during bioprocessing. <i>Biotechnology and Bioengineering</i> , 2018, 115, 2760-2770.	3.3	5
43	Data on a thermostable enzymatic one-pot reaction for the production of a high-value compound from l-arabinose. <i>Data in Brief</i> , 2018, 19, 1341-1354.	1.0	1
44	Sucrose Transporter Localization and Function in Phloem Unloading in Developing Stems. <i>Plant Physiology</i> , 2017, 173, 1330-1341.	4.8	60
45	A metagenomics approach for new biocatalyst discovery: application to transaminases and the synthesis of allylic amines. <i>Green Chemistry</i> , 2017, 19, 1134-1143.	9.0	34
46	Mechanism of resonant electron emission from the deprotonated GFP chromophore and its biomimetics. <i>Chemical Science</i> , 2017, 8, 3154-3163.	7.4	38
47	Contribution of sucrose transporters to phloem unloading within <i>Sorghum bicolor</i> stem internodes. <i>Plant Signaling and Behavior</i> , 2017, 12, e1319030.	2.4	4
48	The Molecular Dialog between Flowering Plant Reproductive Partners Defined by SNP-Informed RNA-Sequencing. <i>Plant Cell</i> , 2017, 29, 984-1006.	6.6	32
49	An integrated biorefinery concept for conversion of sugar beet pulp into value-added chemicals and pharmaceutical intermediates. <i>Faraday Discussions</i> , 2017, 202, 415-431.	3.2	41
50	Enzyme catalysed Pictet-Spengler formation of chiral 1,1-disubstituted- and spiro-tetrahydroisoquinolines. <i>Nature Communications</i> , 2017, 8, 14883.	12.8	75
51	Insights into Land Plant Evolution Garnered from the <i>Marchantia polymorpha</i> Genome. <i>Cell</i> , 2017, 171, 287-304.e15.	28.9	973
52	Structural Evidence for the Dopamine-First Mechanism of Norcochlorine Synthase. <i>Biochemistry</i> , 2017, 56, 5274-5277.	2.5	40
53	Improving Fab fragment retention in an autonucleolytic <i>Escherichia coli</i> strain by swapping periplasmic nuclease translocation signal from OmpA to DsbA. <i>Biotechnology Letters</i> , 2017, 39, 1865-1873.	2.2	5
54	Enzymatic and Chemoenzymatic Three-Step Cascades for the Synthesis of Stereochemically Complementary Trisubstituted Tetrahydroisoquinolines. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12503-12507.	13.8	85

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55	Furfurylamines from biomass: transaminase catalysed upgrading of furfurals. <i>Green Chemistry</i> , 2017, 19, 397-404.	9.0	94
56	One-pot Phosphate-Mediated Synthesis of Novel 1,3,5-Trisubstituted Pyridinium Salts: A New Family of <i>S. aureus</i> Inhibitors. <i>Molecules</i> , 2017, 22, 626.	3.8	5
57	Evolution of Electrogenic Ammonium Transporters (AMTs). <i>Frontiers in Plant Science</i> , 2016, 7, 352.	3.6	57
58	A cell engineering strategy to enhance supercoiled plasmid DNA production for gene therapy. <i>Biotechnology and Bioengineering</i> , 2016, 113, 2064-2071.	3.3	10
59	Metagenome Mining: A Sequence Directed Strategy for the Retrieval of Enzymes for Biocatalysis. <i>ChemistrySelect</i> , 2016, 1, 2217-2220.	1.5	16
60	Transketolase catalysed upgrading of arabinose: the one-step stereoselective synthesis of gluco-heptulose. <i>Green Chemistry</i> , 2016, 18, 3158-3165.	9.0	35
61	Micromolar colorimetric detection of 2-hydroxy ketones with the water-soluble tetrazolium WST-1. <i>Analytical Biochemistry</i> , 2016, 493, 8-10.	2.4	9
62	Novel Computational Protocols for Functionally Classifying and Characterising Serine Beta-Lactamases. <i>PLoS Computational Biology</i> , 2016, 12, e1004926.	3.2	24
63	Investigating polymorphisms in membrane-associated transporter protein SLC45A2, using sucrose transporters as a model. <i>Molecular Medicine Reports</i> , 2015, 12, 1393-1398.	2.4	10
64	CATH FunFHMMer web server: protein functional annotations using functional family assignments. <i>Nucleic Acids Research</i> , 2015, 43, W148-W153.	14.5	59
65	Isolation of Radiation-Resistant Bacteria from Mars Analog Antarctic Dry Valleys by Preselection, and the Correlation between Radiation and Desiccation Resistance. <i>Astrobiology</i> , 2015, 15, 1076-1090.	3.0	71
66	Multispectral Phloem-Mobile Probes: Properties and Applications. <i>Plant Physiology</i> , 2015, 167, 1211-1220.	4.8	66
67	Transport Function of Rice Amino Acid Permeases (AAPs). <i>Plant and Cell Physiology</i> , 2015, 56, 1355-1363.	3.1	60
68	Tetrahydroisoquinolines affect the whole-cell phenotype of <i>Mycobacterium tuberculosis</i> by inhibiting the ATP-dependent MurE ligase. <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 1691-1703.	3.0	24
69	Single active-site mutants are sufficient to enhance serine:pyruvate transaminase activity in an α -transaminase. <i>FEBS Journal</i> , 2015, 282, 2512-2526.	4.7	23
70	Dopamine-first mechanism enables the rational engineering of the norcoclaurine synthase aldehyde activity profile. <i>FEBS Journal</i> , 2015, 282, 1137-1151.	4.7	60
71	Multi-step biocatalytic strategies for chiral amino alcohol synthesis. <i>Enzyme and Microbial Technology</i> , 2015, 81, 23-30.	3.2	36
72	Amino Acid Positions Important For Substrate Specificity in Plant Sucrose Transporters. <i>FASEB Journal</i> , 2015, 29, 566.13.	0.5	0

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73	An Origin-of-Life Reactor to Simulate Alkaline Hydrothermal Vents. <i>Journal of Molecular Evolution</i> , 2014, 79, 213-227.	1.8	152
74	The RpfC (Rv1884) atomic structure shows high structural conservation within the resuscitation-promoting factor catalytic domain. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 1022-1026.	0.8	14
75	The substrate specificity, enantioselectivity and structure of the <i>R</i> -selective amine:pyruvate transaminase from <i>Nectria haematococca</i> . <i>FEBS Journal</i> , 2014, 281, 2240-2253.	4.7	60
76	Long-term stabilization of reflective foams in sea water. <i>RSC Advances</i> , 2014, 4, 53028-53036.	3.6	14
77	Synthesis of pharmaceutically relevant 17- β -amino steroids using an α -transaminase. <i>Chemical Communications</i> , 2014, 50, 6098-6100.	4.1	36
78	Efficient 2-step biocatalytic strategies for the synthesis of all nor(pseudo)ephedrine isomers. <i>Green Chemistry</i> , 2014, 16, 3341-3348.	9.0	66
79	Microscale methods to rapidly evaluate bioprocess options for increasing bioconversion yields: application to the α -transaminase synthesis of chiral amines. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 931-941.	3.4	18
80	Identification and use of an alkane transporter plug-in for applications in biocatalysis and whole-cell biosensing of alkanes. <i>Scientific Reports</i> , 2014, 4, 5844.	3.3	54
81	Two Steps in One Pot: Enzyme Cascade for the Synthesis of Nor(pseudo)ephedrine from Inexpensive Starting Materials. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6772-6775.	13.8	157
82	Determination of the survival of bacteriophage M13 from chemical and physical challenges to assist in its sustainable bioprocessing. <i>Biotechnology and Bioprocess Engineering</i> , 2013, 18, 560-566.	2.6	40
83	A 1-step microplate method for assessing the substrate range of β -amino acid aminotransferase. <i>Enzyme and Microbial Technology</i> , 2013, 52, 218-225.	3.2	16
84	Homogeneous antibody fragment conjugation by disulfide bridging introduces α -spinostics TM . <i>Scientific Reports</i> , 2013, 3, 1525.	3.3	59
85	Engineering stereoselectivity of ThDP-dependent enzymes. <i>FEBS Journal</i> , 2013, 280, 6374-6394.	4.7	72
86	Fluorescence Characterization of Clinically-Important Bacteria. <i>PLoS ONE</i> , 2013, 8, e75270.	2.5	56
87	Evolution of plant sucrose uptake transporters. <i>Frontiers in Plant Science</i> , 2012, 3, 22.	3.6	149
88	The Catalytic Potential of <i>Coptis japonica</i> NCS2 Revealed α - Development and Utilisation of a Fluorescamine-Based Assay. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2997-3008.	4.3	70
89	Directed evolution to re-adapt a co-evolved network within an enzyme. <i>Journal of Biotechnology</i> , 2012, 157, 237-245.	3.8	27
90	TTC-based screening assay for α -transaminases: A rapid method to detect reduction of 2-hydroxy ketones. <i>Journal of Biotechnology</i> , 2012, 159, 188-194.	3.8	29

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91	Detection of Pathogenic Bacteria Using a Homogeneous Immunoassay Based on Shear Alignment of Virus Particles and Linear Dichroism. <i>Analytical Chemistry</i> , 2012, 84, 91-97.	6.5	28
92	Identification of Amino Acids Important for Substrate Specificity in Sucrose Transporters Using Gene Shuffling. <i>Journal of Biological Chemistry</i> , 2012, 287, 30296-30304.	3.4	24
93	Arg188 in rice sucrose transporter OsSUT1 is crucial for substrate transport. <i>BMC Biochemistry</i> , 2012, 13, 26.	4.4	12
94	Excessive folate synthesis limits lifespan in the <i>C. elegans</i> : <i>E. coli</i> aging model. <i>BMC Biology</i> , 2012, 10, 67.	3.8	102
95	A novel fluorescent assay for sucrose transporters. <i>Plant Methods</i> , 2012, 8, 13.	4.3	47
96	An automated microscale platform for evaluation and optimization of oxidative bioconversion processes. <i>Biotechnology Progress</i> , 2012, 28, 392-405.	2.6	9
97	Investigating the use of column inserts to achieve better chromatographic bed support. <i>Biotechnology Progress</i> , 2012, 28, 1285-1291.	2.6	5
98	Destruction of Raman biosignatures by ionizing radiation and the implications for life detection on Mars. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 131-144.	3.7	56
99	Experimental determination of photostability and fluorescence-based detection of PAHs on the Martian surface. <i>Meteoritics and Planetary Science</i> , 2012, 47, 806-819.	1.6	28
100	Crystal structure and substrate specificity of the thermophilic serine:pyruvate aminotransferase from <i>Sulfolobus solfataricus</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012, 68, 763-772.	2.5	30
101	Precipitation of filamentous bacteriophages for their selective recovery in primary purification. <i>Biotechnology Progress</i> , 2012, 28, 129-136.	2.6	28
102	Growth and productivity impacts of periplasmic nuclease expression in an <i>Escherichia coli</i> Fab' fragment production strain. <i>Biotechnology and Bioengineering</i> , 2012, 109, 517-527.	3.3	16
103	Phosphate mediated biomimetic synthesis of tetrahydroisoquinoline alkaloids. <i>Chemical Communications</i> , 2011, 47, 3242.	4.1	84
104	Degradation of Cyanobacterial Biosignatures by Ionizing Radiation. <i>Astrobiology</i> , 2011, 11, 997-1016.	3.0	48
105	Directed evolution of a thermostable L-aminoacylase biocatalyst. <i>Journal of Biotechnology</i> , 2011, 155, 396-405.	3.8	10
106	Isolation of bacterial extrachromosomal DNA from human dental plaque associated with periodontal disease, using transposon-aided capture (TRACA). <i>FEMS Microbiology Ecology</i> , 2011, 78, 349-354.	2.7	20
107	Selective removal of human DNA from metagenomic DNA samples extracted from dental plaque. <i>Journal of Basic Microbiology</i> , 2011, 51, 442-446.	3.3	18
108	Study of robustness of filamentous bacteriophages for industrial applications. <i>Biotechnology and Bioengineering</i> , 2011, 108, 1468-1472.	3.3	19

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109	High-Yield Biocatalytic Amination Reactions in Organic Synthesis. <i>Current Organic Chemistry</i> , 2010, 14, 1914-1927.	1.6	139
110	Desiccation resistance of Antarctic Dry Valley bacteria isolated from contrasting locations. <i>Antarctic Science</i> , 2010, 22, 171-172.	0.9	7
111	Evaluation of anthrax vaccine production by <i>Bacillus anthracis</i> Sterne 34F2 in stirred suspension culture using a miniature bioreactor: A useful scale-down tool for studies on fermentations at high containment. <i>Biochemical Engineering Journal</i> , 2010, 50, 139-144.	3.6	3
112	<i>Aggregatibacter</i> (<i>Actinobacillus</i>) <i>actinomycetemcomitans</i> : a triple A* periodontopathogen?. <i>Periodontology</i> 2000, 2010, 54, 78-105.	13.4	184
113	Astrobiological Considerations for the Selection of the Geological Filters on the ExoMars PanCam Instrument. <i>Astrobiology</i> , 2010, 10, 933-951.	3.0	15
114	A Multidisciplinary Approach Toward the Rapid and Preparative-Scale Biocatalytic Synthesis of Chiral Amino Alcohols: A Concise Transketolase-/l%o-Transaminase-Mediated Synthesis of (2 <i>S</i> ,3 <i>S</i>)-2-Aminopentane-1,3-diol. <i>Organic Process Research and Development</i> , 2010, 14, 99-107.	2.7	80
115	Low-Temperature Ionizing Radiation Resistance of <i>Deinococcus radiodurans</i> and Antarctic Dry Valley Bacteria. <i>Astrobiology</i> , 2010, 10, 717-732.	3.0	76
116	Transport Activity of Rice Sucrose Transporters OsSUT1 and OsSUT5. <i>Plant and Cell Physiology</i> , 2010, 51, 114-122.	3.1	80
117	±,±â€²-Dihydroxyketone formation using aromatic and heteroaromatic aldehydes with evolved transketolase enzymes. <i>Chemical Communications</i> , 2010, 46, 7608.	4.1	45
118	Complete fluorescent fingerprints of extremophilic and photosynthetic microbes. <i>International Journal of Astrobiology</i> , 2010, 9, 245-257.	1.6	28
119	The Analysis of Multiple Genome Comparisons in Genus <i>Escherichia</i> and Its Application to the Discovery of Uncharacterised Metabolic Genes in Uropathogenic <i>Escherichia coli</i> CFT073. <i>Comparative and Functional Genomics</i> , 2009, 2009, 1-8.	2.0	3
120	Synthesis of pyridoxamine 5â€²-phosphate using an MBA:pyruvate transaminase as biocatalyst. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 59, 279-285.	1.8	44
121	Stereoselectivity of an l%o-transaminase-mediated amination of 1,3-dihydroxy-1-phenylpropane-2-one. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 570-574.	1.8	45
122	Plant Ion Channels: Gene Families, Physiology, and Functional Genomics Analyses. <i>Annual Review of Physiology</i> , 2009, 71, 59-82.	13.1	335
123	Functional analysis of LjSUT4, a vacuolar sucrose transporter from <i>Lotus japonicus</i> . <i>Plant Molecular Biology</i> , 2008, 68, 289-299.	3.9	131
124	Evolutionary Analysis of the TPP-Dependent Enzyme Family. <i>Journal of Molecular Evolution</i> , 2008, 66, 36-49.	1.8	66
125	Host strain influences on supercoiled plasmid DNA production in <i>Escherichia coli</i> : Implications for efficient design of largeâ€šscale processes. <i>Biotechnology and Bioengineering</i> , 2008, 101, 529-544.	3.3	45
126	Largeâ€šscale plasmid DNA processing: evidence that cell harvesting and storage methods affect yield of supercoiled plasmid DNA. <i>Biotechnology and Applied Biochemistry</i> , 2008, 51, 43-51.	3.1	17

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127	Preparative scale Baeyer-Villiger biooxidation at high concentration using recombinant <i>Escherichia coli</i> and in situ substrate feeding and product removal process. <i>Nature Protocols</i> , 2008, 3, 546-554.	12.0	78
128	Characterization of Oxygen Transfer in Miniature and Lab-Scale Bubble Column Bioreactors and Comparison of Microbial Growth Performance Based on Constant <i>k</i> _L a. <i>Biotechnology Progress</i> , 2008, 21, 1175-1182.	2.6	35
129	Directed evolution of transketolase substrate specificity towards an aliphatic aldehyde. <i>Journal of Biotechnology</i> , 2008, 134, 240-245.	3.8	69
130	Novel Adhesin from <i>Pasteurella multocida</i> That Binds to the Integrin-Binding Fibronectin FnIII 9-10 Repeats. <i>Infection and Immunity</i> , 2008, 76, 1093-1104.	2.2	21
131	<i>Arabidopsis</i> Sucrose Transporter AtSUC1 Is Important for Pollen Germination and Sucrose-Induced Anthocyanin Accumulation. <i>Plant Physiology</i> , 2008, 147, 92-100.	4.8	165
132	Pasteurellaceae ComE1 Proteins Combine the Properties of Fibronectin Adhesins and DNA Binding Competence Proteins. <i>PLoS ONE</i> , 2008, 3, e3991.	2.5	28
133	<i>Arabidopsis</i> Sucrose Transporter AtSUC9. High-Affinity Transport Activity, Intragenic Control of Expression, and Early Flowering Mutant Phenotype. <i>Plant Physiology</i> , 2007, 143, 188-198.	4.8	147
134	Directed evolution of transketolase activity on non-phosphorylated substrates. <i>Journal of Biotechnology</i> , 2007, 131, 425-432.	3.8	74
135	Substrate spectrum of α -transaminase from <i>Chromobacterium violaceum</i> DSM30191 and its potential for biocatalysis. <i>Enzyme and Microbial Technology</i> , 2007, 41, 628-637.	3.2	277
136	Comparative functional genomic analysis of Pasteurellaceae adhesins using phage display. <i>Veterinary Microbiology</i> , 2007, 122, 123-134.	1.9	14
137	Phage display in the study of infectious diseases. <i>Trends in Microbiology</i> , 2006, 14, 141-147.	7.7	80
138	Wake up! Peptidoglycan lysis and bacterial non-growth states. <i>Trends in Microbiology</i> , 2006, 14, 271-276.	7.7	126
139	Sugarcane ShSUT1: analysis of sucrose transport activity and inhibition by sucralose. <i>Plant, Cell and Environment</i> , 2006, 29, 1871-1880.	5.7	85
140	A colorimetric assay for screening transketolase activity. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 7062-7065.	3.0	51
141	A capillary cytometer method to quantitate viable virus particles based on early detection of viral antigens and cellular events within single cells. <i>Journal of Virological Methods</i> , 2006, 137, 213-218.	2.1	2
142	A novel method for the measurement of oxygen mass transfer rates in small-scale vessels. <i>Biochemical Engineering Journal</i> , 2005, 25, 63-68.	3.6	20
143	Directed evolution of biocatalytic processes. <i>New Biotechnology</i> , 2005, 22, 11-19.	2.7	107
144	Bioprocess Engineering Issues That Would Be Faced in Producing a DNA Vaccine at up to 100 m ³ Fermentation Scale for an Influenza Pandemic. <i>Biotechnology Progress</i> , 2005, 21, 1577-1592.	2.6	66

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