John M Ward

List of Publications by Year
in descending order

188 papers	7,759 citations	38742 50 h-index	66911 78 g-index
195 all docs	195 docs citations	195 times ranked	6979 citing authors

#	Article	IF	Citations
1	Novel transaminases from thermophiles: from discovery to application. Microbial Biotechnology, 2022, 15, 305-317.	4.2	9
2	Liquid-microjet photoelectron spectroscopy of the green fluorescent protein chromophore. Nature Communications, 2022, 13, 507.	12.8	10
3	Synergistic action of thermophilic pectinases for pectin bioconversion into D-galacturonic acid. Enzyme and Microbial Technology, 2022, , 110071.	3.2	5
4	Norcoclaurine Synthase-Mediated Stereoselective Synthesis of 1,1â€™-Disubstituted, Spiro- and Bis-Tetrahydroisoquinoline Alkaloids. ACS Catalysis, 2021, 11, 131-138.	11.2	14
5	Characterisation of a hyperthermophilic transketolase from Thermotoga maritima DSM3109 as a biocatalyst for 7-keto-octuronic acid synthesis. Organic and Biomolecular Chemistry, 2021, 19, 6493-6500.	2.8	8
6	A photoelectron imaging study of the deprotonated GFP chromophore anion and RNA fluorescent tags. Physical Chemistry Chemical Physics, 2021, 23, 19911-19922.	2.8	3
7	Discovery of New Carbonyl Reductases Using Functional Metagenomics and Applications in Biocatalysis. Advanced Synthesis and Catalysis, 2021, 363, 3044-3052.	4.3	2
8	A cell engineering approach to enzyme-based fed-batch fermentation. Microbial Cell Factories, 2021, 20, 146.	4.0	2
9	Multienzyme Oneâ€Pot Cascades Incorporating Methyltransferases for the Strategic Diversification of Tetrahydroisoquinoline Alkaloids. Angewandte Chemie - International Edition, 2021, 60, 18673-18679.	13.8	23
10	Multienzyme Oneâ€Pot Cascades Incorporating Methyltransferases for the Strategic Diversification of Tetrahydroisoquinoline Alkaloids. Angewandte Chemie, 2021, 133, 18821-18827.	2.0	7
11	Chemoenzymatic Cascades toward Methylated Tetrahydroprotoberberine and Protoberberine Alkaloids. Organic Letters, 2021, 23, 6342-6347.	4.6	15
12	Sustainable sugarcane vinasse biorefinement for trans-aconitic acid-based biopolymer synthesis and bioenergy generation. Bioresource Technology Reports, 2021, 15, 100786.	2.7	5
13	Direct Conversion of Hydrazones to Amines using Transaminases. ChemCatChem, 2021, 13, 4520-4523.	3.7	3
14	Engineering transketolase to accept both unnatural donor and acceptor substrates and produce Î±â€hydroxyketones. FEBS Journal, 2020, 287, 1758-1776.	4.7	16
15	Single step syntheses of (1S)-aryl-tetrahydroisoquinolines by norcoclaurine synthases. Communications Chemistry, 2020, 3, .	4.5	10
16	pET expression vector customized for efficient seamless cloning. BioTechniques, 2020, 69, 384-387.	1.8	6
17	Identification and catalytic properties of new epoxide hydrolases from the genomic data of soil bacteria. Enzyme and Microbial Technology, 2020, 139, 109592.	3.2	9
18	Natureâ€Inspired Bacterial Cellulose/Methylglyoxal (BC/MGO) Nanocomposite for Broadâ€Spectrum Antimicrobial Wound Dressing. Macromolecular Bioscience, 2020, 20, e2000070.	4.1	24

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19	Characterisation of four hotdog-fold thioesterases for their implementation in a novel organic acid production system. Applied Microbiology and Biotechnology, 2020, 104, 4397-4406.	3.6	4
20	Pictetâ€“Spenglerases in alkaloid biosynthesis: Future applications in biocatalysis. Current Opinion in Chemical Biology, 2020, 55, 69-76.	6.1	66
21	Virus lasers for biological detection. Nature Communications, 2019, 10, 3594.	12.8	27
22	The role of amino acids in the amplification and quality of DNA vectors for industrial applications. Biotechnology Progress, 2019, 35, e2883.	2.6	5
23	Application of Plasmid Engineering to Enhance Yield and Quality of Plasmid for Vaccine and Gene Therapy. Bioengineering, 2019, 6, 54.	3.5	7
24	Acceptance and Kinetic Resolution of Î±-Methyl-Substituted Aldehydes by Norcoclaurine Synthases. ACS Catalysis, 2019, 9, 9640-9649.	11.2	30
25	The identification and use of robust transaminases from a domestic drain metagenome. Green Chemistry, 2019, 21, 75-86.	9.0	47
26	Aminopolyols from Carbohydrates: Amination of Sugars and Sugarâ€Derived Tetrahydrofurans with Transaminases. Angewandte Chemie - International Edition, 2019, 58, 3854-3858.	13.8	23
27	Aminopolyols from Carbohydrates: Amination of Sugars and Sugarâ€Derived Tetrahydrofurans with Transaminases. Angewandte Chemie, 2019, 131, 3894-3898.	2.0	2
28	Design and Use of de novo Cascades for the Biosynthesis of New Benzylisoquinoline Alkaloids. Angewandte Chemie, 2019, 131, 10226-10231.	2.0	6
29	Biomimetic Phosphate-Catalyzed Pictetâ€“Spengler Reaction for the Synthesis of 1,1â€²-Disubstituted and Spiro-Tetrahydroisoquinoline Alkaloids. Journal of Organic Chemistry, 2019, 84, 7702-7710.	3.2	13
30	Design and Use of de novo Cascades for the Biosynthesis of New Benzylisoquinoline Alkaloids. Angewandte Chemie - International Edition, 2019, 58, 10120-10125.	13.8	34
31	Metagenomic ene-reductases for the bioreduction of sterically challenging enones. RSC Advances, 2019, 9, 36608-36614.	3.6	13
32	Potential of sugar beet vinasse as a feedstock for biocatalyst production within an integrated biorefinery context. Journal of Chemical Technology and Biotechnology, 2019, 94, 739-751.	3.2	5
33	Novel extremophilic proteases from Pseudomonas aeruginosa M211 and their application in the hydrolysis of dried distiller's grain with solubles. Biotechnology Progress, 2019, 35, e2728.	2.6	7
34	Protein CoAlation and antioxidant function of coenzyme A in prokaryotic cells. Biochemical Journal, 2018, 475, 1909-1937.	3.7	60
35	One-pot chemoenzymatic synthesis of trolline and tetrahydroisoquinoline analogues. Chemical Communications, 2018, 54, 1323-1326.	4.1	36
36	Enzymatic synthesis of chiral aminoâ€alcohols by coupling transketolase and transaminaseâ€catalyzed reactions in a cascading continuousâ€flow microreactor system. Biotechnology and Bioengineering, 2018, 115, 586-596.	3.3	41

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37	Library of Norcoclaurine Synthases and Their Immobilization for Biocatalytic Transformations. Biotechnology Journal, 2018, 13, e1700542.	3.5	17
38	Simplified lipid II-binding antimicrobial peptides: Design, synthesis and antimicrobial activity of bioconjugates of nisin rings A and B with pore-forming peptides. Bioorganic and Medicinal Chemistry, 2018, 26, 5691-5700.	3.0	14
39	One-pot, two-step transaminase and transketolase synthesis of l-gluco-heptulose from l-arabinose. Enzyme and Microbial Technology, 2018, 116, 16-22.	3.2	22
40	Optimisation of enzyme cascades for chiral amino alcohol synthesis in aid of host cell integration using a statistical experimental design approach. Journal of Biotechnology, 2018, 281, 150-160.	3.8	6
41	The use of a surface active agent in the protection of a fusion protein during bioprocessing. Biotechnology and Bioengineering, 2018, 115, 2760-2770.	3.3	5
42	Data on a thermostable enzymatic one-pot reaction for the production of a high-value compound from l-arabinose. Data in Brief, 2018, 19, 1341-1354.	1.0	1
43	A metagenomics approach for new biocatalyst discovery: application to transaminases and the synthesis of allylic amines. Green Chemistry, 2017, 19, 1134-1143.	9.0	34
44	Mechanism of resonant electron emission from the deprotonated GFP chromophore and its biomimetics. Chemical Science, 2017, 8, 3154-3163.	7.4	38
45	An integrated biorefinery concept for conversion of sugar beet pulp into value-added chemicals and pharmaceutical intermediates. Faraday Discussions, 2017, 202, 415-431.	3.2	41
46	Enzyme catalysed Pictet-Spengler formation of chiral 1,1â€™-disubstituted- and spiro-tetrahydroisoquinolines. Nature Communications, 2017, 8, 14883.	12.8	75
47	Structural Evidence for the Dopamine-First Mechanism of Norcoclaurine Synthase. Biochemistry, 2017, 56, 5274-5277.	2.5	40
48	Improving Fabâ€™ fragment retention in an autonucleolytic Escherichia coli strain by swapping periplasmic nuclease translocation signal from OmpA to DsbA. Biotechnology Letters, 2017, 39, 1865-1873.	2.2	5
49	Enzymatic and Chemoenzymatic Threeâ€Step Cascades for the Synthesis of Stereochemically Complementary Trisubstituted Tetrahydroisoquinolines. Angewandte Chemie - International Edition, 2017, 56, 12503-12507.	13.8	85
50	Enzymatic and Chemoenzymatic Threeâ€Step Cascades for the Synthesis of Stereochemically Complementary Trisubstituted Tetrahydroisoquinolines. Angewandte Chemie, 2017, 129, 12677-12681.	2.0	21
51	Furfurylamines from biomass: transaminase catalysed upgrading of furfurals. Green Chemistry, 2017, 19, 397-404.	9.0	94
52	Oneâ€“Pot Phosphate-Mediated Synthesis of Novel 1,3,5-Trisubstituted Pyridinium Salts: A New Family of S. aureus Inhibitors. Molecules, 2017, 22, 626.	3.8	5
53	A cell engineering strategy to enhance supercoiled plasmid DNA production for gene therapy. Biotechnology and Bioengineering, 2016, 113, 2064-2071.	3.3	10
54	Metagenome Mining: A Sequence Directed Strategy for the Retrieval of Enzymes for Biocatalysis. ChemistrySelect, 2016, 1, 2217-2220.	1.5	16

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55	Transketolase catalysed upgrading of<scp>l</scp>-arabinose: the one-step stereoselective synthesis of<scp>l</scp>-gluco-heptulose. Green Chemistry, 2016, 18, 3158-3165.	9.0	35
56	Micromolar colorimetric detection of 2-hydroxy ketones with the water-soluble tetrazolium WST-1. Analytical Biochemistry, 2016, 493, 8-10.	2.4	9
57	Novel Computational Protocols for Functionally Classifying and Characterising Serine Beta-Lactamases. PLoS Computational Biology, 2016, 12, e1004926.	3.2	24
58	CATH FunFHMMer web server: protein functional annotations using functional family assignments. Nucleic Acids Research, 2015, 43, W148-W153.	14.5	59
59	Isolation of Radiation-Resistant Bacteria from Mars Analog Antarctic Dry Valleys by Preselection, and the Correlation between Radiation and Desiccation Resistance. Astrobiology, 2015, 15, 1076-1090.	3.0	71
60	One-pot triangular chemoenzymatic cascades for the syntheses of chiral alkaloids from dopamine. Green Chemistry, 2015, 17, 852-855.	9.0	70
61	Ï‰-Transaminases for the amination of functionalised cyclic ketones. Organic and Biomolecular Chemistry, 2015, 13, 8843-8851.	2.8	30
62	Tetrahydroisoquinolines affect the whole-cell phenotype of Mycobacterium tuberculosis by inhibiting the ATP-dependent MurE ligase. Journal of Antimicrobial Chemotherapy, 2015, 70, 1691-1703.	3.0	24
63	Single activeâ€site mutants are sufficient to enhance serine:pyruvate Î±â€transaminase activity in an Ï‰â€transaminase. FEBS Journal, 2015, 282, 2512-2526.	4.7	23
64	â€˜Dopamineâ€firstâ€™ mechanism enables the rational engineering of the norcoclaurine synthase aldehyde activity profile. FEBS Journal, 2015, 282, 1137-1151.	4.7	60
65	Multi-step biocatalytic strategies for chiral amino alcohol synthesis. Enzyme and Microbial Technology, 2015, 81, 23-30.	3.2	36
66	Modelling and optimisation of the one-pot, multi-enzymatic synthesis of chiral amino-alcohols based on microscale kinetic parameter determination. Chemical Engineering Science, 2015, 122, 360-372.	3.8	37
67	Evaluation of CV2025 Ï‰-transaminase for the bioconversion of lignin breakdown products into value-added chemicals: synthesis of vanillylamine from vanillin. Biocatalysis and Biotransformation, 2014, 32, 302-313.	2.0	16
68	An Origin-of-Life Reactor to Simulate Alkaline Hydrothermal Vents. Journal of Molecular Evolution, 2014, 79, 213-227.	1.8	152
69	The RpfC (Rv1884) atomic structure shows high structural conservation within the resuscitation-promoting factor catalytic domain. Acta Crystallographica Section F, Structural Biology Communications, 2014, 70, 1022-1026.	0.8	14
70	The substrate specificity, enantioselectivity and structure of the (<scp>R</scp>)â€selective amineÂ:Âpyruvate transaminase from <scp>N</scp>ectriaÂhaematococca. FEBS Journal, 2014, 281, 2240-2253.	4.7	60
71	Long-term stabilization of reflective foams in sea water. RSC Advances, 2014, 4, 53028-53036.	3.6	14
72	Synthesis of pharmaceutically relevant 17-Î±-amino steroids using an Ï‰-transaminase. Chemical Communications, 2014, 50, 6098-6100.	4.1	36

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73	Efficient 2-step biocatalytic strategies for the synthesis of all nor(pseudo)ephedrine isomers. Green Chemistry, 2014, 16, 3341-3348.	9.0	66
74	Microscale methods to rapidly evaluate bioprocess options for increasing bioconversion yields: application to the Ï‰-transaminase synthesis of chiral amines. Bioprocess and Biosystems Engineering, 2014, 37, 931-941.	3.4	18
75	Identification and use of an alkane transporter plug-in for applications in biocatalysis and whole-cell biosensing of alkanes. Scientific Reports, 2014, 4, 5844.	3.3	54
76	Two Steps in One Pot: Enzyme Cascade for the Synthesis of Nor(pseudo)ephedrine from Inexpensive Starting Materials. Angewandte Chemie - International Edition, 2013, 52, 6772-6775.	13.8	157
77	Determination of the survival of bacteriophage M13 from chemical and physical challenges to assist in its sustainable bioprocessing. Biotechnology and Bioprocess Engineering, 2013, 18, 560-566.	2.6	40
78	Non-linear kinetic modelling of reversible bioconversions: Application to the transaminase catalyzed synthesis of chiral amino-alcohols. Biochemical Engineering Journal, 2013, 73, 38-48.	3.6	20
79	A 1-step microplate method for assessing the substrate range of l-Î±-amino acid aminotransferase. Enzyme and Microbial Technology, 2013, 52, 218-225.	3.2	16
80	Homogeneous antibody fragment conjugation by disulfide bridging introduces â€˜spinosticsâ€™. Scientific Reports, 2013, 3, 1525.	3.3	59
81	Engineering stereoselectivity of ThDP-dependent enzymes. FEBS Journal, 2013, 280, 6374-6394.	4.7	72
82	Fluorescence Characterization of Clinically-Important Bacteria. PLoS ONE, 2013, 8, e75270.	2.5	56
83	The Catalytic Potential of Coptis japonica NCS2 Revealed â€“ Development and Utilisation of a Fluorescamineâ€Based Assay. Advanced Synthesis and Catalysis, 2012, 354, 2997-3008.	4.3	70
84	Directed evolution to re-adapt a co-evolved network within an enzyme. Journal of Biotechnology, 2012, 157, 237-245.	3.8	27
85	TTC-based screening assay for Ï‰-transaminases: A rapid method to detect reduction of 2-hydroxy ketones. Journal of Biotechnology, 2012, 159, 188-194.	3.8	29
86	Detection of Pathogenic Bacteria Using a Homogeneous Immunoassay Based on Shear Alignment of Virus Particles and Linear Dichroism. Analytical Chemistry, 2012, 84, 91-97.	6.5	28
87	Excessive folate synthesis limits lifespan in the C. elegans: E. coliaging model. BMC Biology, 2012, 10, 67.	3.8	102
88	An automated microscale platform for evaluation and optimization of oxidative bioconversion processes. Biotechnology Progress, 2012, 28, 392-405.	2.6	9
89	Investigating the use of column inserts to achieve better chromatographic bed support. Biotechnology Progress, 2012, 28, 1285-1291.	2.6	5
90	Destruction of Raman biosignatures by ionising radiation and the implications for life detection on Mars. Analytical and Bioanalytical Chemistry, 2012, 403, 131-144.	3.7	56

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91	Experimental determination of photostability and fluorescenceâ€based detection of PAHs on the Martian surface. Meteoritics and Planetary Science, 2012, 47, 806-819.	1.6	28
92	Crystal structure and substrate specificity of the thermophilic serine:pyruvate aminotransferase fromSulfolobus solfataricus. Acta Crystallographica Section D: Biological Crystallography, 2012, 68, 763-772.	2.5	30
93	Precipitation of filamentous bacteriophages for their selective recovery in primary purification. Biotechnology Progress, 2012, 28, 129-136.	2.6	28
94	Growth and productivity impacts of periplasmic nuclease expression in an Escherichia coli Fab' fragment production strain. Biotechnology and Bioengineering, 2012, 109, 517-527.	3.3	16
95	Phosphate mediated biomimetic synthesis of tetrahydroisoquinoline alkaloids. Chemical Communications, 2011, 47, 3242.	4.1	84
96	Degradation of Cyanobacterial Biosignatures by Ionizing Radiation. Astrobiology, 2011, 11, 997-1016.	3.0	48
97	Directed evolution of a thermostable l-aminoacylase biocatalyst. Journal of Biotechnology, 2011, 155, 396-405.	3.8	10
98	Use of microwells to investigate the effect of quorum sensing on growth and antigen production in Bacillus anthracis Sterne 34F2. Journal of Applied Microbiology, 2011, 111, 1224-1234.	3.1	2
99	Isolation of bacterial extrachromosomal DNA from human dental plaque associated with periodontal disease, using transposon-aided capture (TRACA). FEMS Microbiology Ecology, 2011, 78, 349-354.	2.7	20
100	Selective removal of human DNA from metagenomic DNA samples extracted from dental plaque. Journal of Basic Microbiology, 2011, 51, 442-446.	3.3	18
101	Study of robustness of filamentous bacteriophages for industrial applications. Biotechnology and Bioengineering, 2011, 108, 1468-1472.	3.3	19
102	A toolbox approach for the rapid evaluation of multi-step enzymatic syntheses comprising a â€˜mix and matchâ€™E. coliexpression system with microscale experimentation. Biocatalysis and Biotransformation, 2011, 29, 192-203.	2.0	18
103	High-Yield Biocatalytic Amination Reactions in Organic Synthesis. Current Organic Chemistry, 2010, 14, 1914-1927.	1.6	139
104	Desiccation resistance of Antarctic Dry Valley bacteria isolated from contrasting locations. Antarctic Science, 2010, 22, 171-172.	0.9	7
105	Evaluation of anthrax vaccine production by Bacillus anthracis Sterne 34F2 in stirred suspension culture using a miniature bioreactor: A useful scale-down tool for studies on fermentations at high containment. Biochemical Engineering Journal, 2010, 50, 139-144.	3.6	3
106	Aggregatibacter (Actinobacillus) actinomycetemcomitans: a triple A* periodontopathogen?. Periodontology 2000, 2010, 54, 78-105.	13.4	184
107	Astrobiological Considerations for the Selection of the Geological Filters on the ExoMars PanCam Instrument. Astrobiology, 2010, 10, 933-951.	3.0	15
108	A Multidisciplinary Approach Toward the Rapid and Preparative-Scale Biocatalytic Synthesis of Chiral Amino Alcohols: A Concise Transketolase-/Ĩ‰-Transaminase-Mediated Synthesis of (2S,3S)-2-Aminopentane-1,3-diol. Organic Process Research and Development, 2010, 14, 99-107.	2.7	80

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109	Low-Temperature Ionizing Radiation Resistance ofDeinococcus radioduransand Antarctic Dry Valley Bacteria. Astrobiology, 2010, 10, 717-732.	3.0	76
110	Î±,Î±â€²-Dihydroxyketone formation using aromatic and heteroaromatic aldehydes with evolved transketolase enzymes. Chemical Communications, 2010, 46, 7608.	4.1	45
111	Complete fluorescent fingerprints of extremophilic and photosynthetic microbes. International Journal of Astrobiology, 2010, 9, 245-257.	1.6	28
112	The Analysis of Multiple Genome Comparisons in GenusEscherichiaand Its Application to the Discovery of Uncharacterised Metabolic Genes in UropathogenicEscherichia coliCFT073. Comparative and Functional Genomics, 2009, 2009, 1-8.	2.0	3
113	Synthesis of pyridoxamine 5â€²-phosphate using an MBA:pyruvate transaminase as biocatalyst. Journal of Molecular Catalysis B: Enzymatic, 2009, 59, 279-285.	1.8	44
114	Step change in the efficiency of centrifugation through cell engineering: coâ€expression of Staphylococcal nuclease to reduce the viscosity of the bioprocess feedstock. Biotechnology and Bioengineering, 2009, 104, 134-142.	3.3	32
115	Stereoselectivity of an Ï‰-transaminase-mediated amination of 1,3-dihydroxy-1-phenylpropane-2-one. Tetrahedron: Asymmetry, 2009, 20, 570-574.	1.8	45
116	Evolutionary Analysis of the TPP-Dependent Enzyme Family. Journal of Molecular Evolution, 2008, 66, 36-49.	1.8	66
117	Host strain influences on supercoiled plasmid DNA production in Escherichia coli: Implications for efficient design of largeâ€scale processes. Biotechnology and Bioengineering, 2008, 101, 529-544.	3.3	45
118	Largeâ€scale plasmid DNA processing: evidence that cell harvesting and storage methods affect yield of supercoiled plasmid DNA. Biotechnology and Applied Biochemistry, 2008, 51, 43-51.	3.1	17
119	Preparative scale Baeyerâ€“Villiger biooxidation at high concentration using recombinant Escherichia coli and in situ substrate feeding and product removal process. Nature Protocols, 2008, 3, 546-554.	12.0	78
120	Characterization of Oxygen Transfer in Miniature and Lab-Scale Bubble Column Bioreactors and Comparison of Microbial Growth Performance Based on Constant kLa. Biotechnology Progress, 2008, 21, 1175-1182.	2.6	35
121	Directed evolution of transketolase substrate specificity towards an aliphatic aldehyde. Journal of Biotechnology, 2008, 134, 240-245.	3.8	69
122	Novel Adhesin from Pasteurella multocida That Binds to the Integrin-Binding Fibronectin FnIII 9-10 Repeats. Infection and Immunity, 2008, 76, 1093-1104.	2.2	21
123	Pasteurellaceae ComE1 Proteins Combine the Properties of Fibronectin Adhesins and DNA Binding Competence Proteins. PLoS ONE, 2008, 3, e3991.	2.5	28
124	Accelerating biocatalytic process design: Integrating new tools from biology, chemistry and engineering. Journal of Biotechnology, 2007, 131, S78.	3.8	0
125	Directed evolution of transketolase activity on non-phosphorylated substrates. Journal of Biotechnology, 2007, 131, 425-432.	3.8	74
126	Martian sub-surface ionising radiation: biosignatures and geology. Biogeosciences, 2007, 4, 545-558.	3.3	65

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127	One-pot synthesis of amino-alcohols using a de-novo transketolase and Î²-alanine: Pyruvate transaminase pathway inEscherichia coli. Biotechnology and Bioengineering, 2007, 96, 559-569.	3.3	132
128	Degradation of supercoiled plasmid DNA within a capillary device. Biotechnology and Bioengineering, 2007, 97, 1148-1157.	3.3	15
129	Substrate spectrum of Ï‰-transaminase from Chromobacterium violaceum DSM30191 and its potential for biocatalysis. Enzyme and Microbial Technology, 2007, 41, 628-637.	3.2	277
130	Comparative functional genomic analysis of Pasteurellaceae adhesins using phage display. Veterinary Microbiology, 2007, 122, 123-134.	1.9	14
131	Reaction modelling and simulation to assess the integrated use of transketolase and Ï‰-transaminase for the synthesis of an aminotriol. Biocatalysis and Biotransformation, 2006, 24, 449-457.	2.0	28
132	Phage display in the study of infectious diseases. Trends in Microbiology, 2006, 14, 141-147.	7.7	80
133	Wake up! Peptidoglycan lysis and bacterial non-growth states. Trends in Microbiology, 2006, 14, 271-276.	7.7	126
134	A colorimetric assay for screening transketolase activity. Bioorganic and Medicinal Chemistry, 2006, 14, 7062-7065.	3.0	51
135	Bacterial resuscitation factors: revival of viable but non-culturable bacteria. Cellular and Molecular Life Sciences, 2006, 63, 2555-2559.	5.4	38
136	A capillary cytometer method to quantitate viable virus particles based on early detection of viral antigens and cellular events within single cells. Journal of Virological Methods, 2006, 137, 213-218.	2.1	2
137	A novel method for the measurement of oxygen mass transfer rates in small-scale vessels. Biochemical Engineering Journal, 2005, 25, 63-68.	3.6	20
138	Directed evolution of biocatalytic processes. New Biotechnology, 2005, 22, 11-19.	2.7	107
139	Bioprocess Engineering Issues That Would Be Faced in Producing a DNA Vaccine at up to 100 m3 Fermentation Scale for an Influenza Pandemic. Biotechnology Progress, 2005, 21, 1577-1592.	2.6	66
140	The structure of a resuscitation-promoting factor domain from Mycobacterium tuberculosis shows homology to lysozymes. Nature Structural and Molecular Biology, 2005, 12, 270-273.	8.2	131
141	Resuscitation-promoting factors possess a lysozyme-like domain. Trends in Biochemical Sciences, 2004, 29, 7-10.	7.5	60
142	Impact of intrinsic DNA structure on processing of plasmids for gene therapy and DNA vaccines. Journal of Biotechnology, 2004, 114, 239-254.	3.8	35
143	Effects of fermentation strategy on the characteristics of plasmid DNA production. Biotechnology and Applied Biochemistry, 2003, 37, 83.	3.1	57
144	How Streptomyces lividans uses oils and sugars as mixed substrates. Enzyme and Microbial Technology, 2003, 32, 157-166.	3.2	22

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145	Ferredoxin reductase enhances heterologously expressed cytochrome CYP105D1 in Escherichia coli and Streptomyces lividans. Enzyme and Microbial Technology, 2003, 32, 790-800.	3.2	8
146	Molecular Pathogenicity of the Oral Opportunistic PathogenActinobacillus actinomycetemcomitans. Annual Review of Microbiology, 2003, 57, 29-55.	7.3	177
147	A modified Escherichia coli protein production strain expressing staphylococcal nuclease, capable of auto-hydrolysing host nucleic acid. Journal of Biotechnology, 2003, 101, 229-239.	3.8	23
148	Impact of plasmid size on cellular oxygen demand in Escherichia coli. Biotechnology and Applied Biochemistry, 2003, 38, 1.	3.1	16
149	Shear-induced release of disabled herpes simplex virus from baby-hamster kidney cells. Biotechnology and Applied Biochemistry, 2003, 38, 271.	3.1	1
150	Enhanced Heterologous Expression of Two Streptomyces griseolus Cytochrome P450s and Streptomyces coelicolor Ferredoxin Reductase as Potentially Efficient Hydroxylation Catalysts. Applied and Environmental Microbiology, 2003, 69, 373-382.	3.1	49
151	A comparison of the process issues in expressing the same recombinant enzyme periplasmically in Escherichia coli and extracellularly in Streptomyces lividans. Journal of Biotechnology, 2002, 92, 205-215.	3.8	10
152	Actinobacillus actinomycetemcomitans. Journal of Medical Microbiology, 2002, 51, 1013-1020.	1.8	71
153	Purification of essentially RNA free plasmid DNA using a modified Escherichia coli host strain expressing ribonuclease A. Journal of Biotechnology, 2001, 85, 297-304.	3.8	24
154	Analysis of the effect of changing environmental conditions on the expression patterns of exported surface-associated proteins of the oral pathogen Actinobacillus actinomycetemcomitans. Microbial Pathogenesis, 2001, 30, 359-368.	2.9	37
155	Large scale production of cyclohexanone monooxygenase from Escherichia coli TOP10 pQR239. Enzyme and Microbial Technology, 2001, 28, 265-274.	3.2	119
156	Identification of the Exported Proteins of the Oral Opportunistic Pathogen Actinobacillus actinomycetemcomitans by Using Alkaline Phosphatase Fusions. Infection and Immunity, 2001, 69, 2748-2752.	2.2	10
157	Effect of substrate concentration on the enantioselectivity of cyclohexanone monooxygenase from Acinetobacter calcoaceticus and its rationalization. Tetrahedron: Asymmetry, 2000, 11, 3653-3657.	1.8	21
158	Identification of a Novel Gene Cluster Encoding Staphylococcal Exotoxin-Like Proteins: Characterization of the Prototypic Gene and Its Protein Product, SET1. Infection and Immunity, 2000, 68, 4407-4415.	2.2	119
159	Removal of contaminant nucleic acids by nitrocellulose filtration during pharmaceutical-grade plasmid DNA processing. Journal of Biotechnology, 2000, 76, 197-205.	3.8	42
160	The mitochondrial permeability transition pore. Biochemical Society Symposia, 1999, 66, 167-179.	2.7	195
161	Computational Fluid Dynamics and a Quantitative Polymerase Chain Reaction as Tools for Measuring Bioprocess Containment. Chemical Engineering Research and Design, 1999, 77, 13-21.	5.6	0
162	Import and processing of heart mitochondrial cyclophilin D. FEBS Journal, 1999, 263, 353-359.	0.2	53

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