

# John M Ward

## List of Publications by Year in descending order

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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	Cyclophilin-D binds strongly to complexes of the voltage-dependent anion channel and the adenine nucleotide translocase to form the permeability transition pore. <i>FEBS Journal</i> , 1998, 258, 729-735.	0.2	423
2	Substrate spectrum of $\alpha$ -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
3	The mitochondrial permeability transition pore. <i>Biochemical Society Symposia</i> , 1999, 66, 167-179.	2.7	195
4	<i>Aggregatibacter</i> ( <i>Actinobacillus</i> ) <i>actinomycetemcomitans</i> : a triple A* periodontopathogen?. <i>Periodontology</i> 2000, 2010, 54, 78-105.	13.4	184
5	Molecular Pathogenicity of the Oral Opportunistic Pathogen <i>Actinobacillus actinomycetemcomitans</i> . <i>Annual Review of Microbiology</i> , 2003, 57, 29-55.	7.3	177
6	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
7	An Origin-of-Life Reactor to Simulate Alkaline Hydrothermal Vents. <i>Journal of Molecular Evolution</i> , 2014, 79, 213-227.	1.8	152
8	Involvement of Cyclophilin D in the Activation of A mitochondrial Pore by Ca <sup>2+</sup> and Oxidant Stress. <i>FEBS Journal</i> , 1996, 238, 166-172.	0.2	149
9	High-Yield Biocatalytic Amination Reactions in Organic Synthesis. <i>Current Organic Chemistry</i> , 2010, 14, 1914-1927.	1.6	139
10	One-pot synthesis of amino-alcohols using a de-novo transketolase and $\beta$ -alanine: Pyruvate transaminase pathway in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2007, 96, 559-569.	3.3	132
11	The structure of a resuscitation-promoting factor domain from <i>Mycobacterium tuberculosis</i> shows homology to lysozymes. <i>Nature Structural and Molecular Biology</i> , 2005, 12, 270-273.	8.2	131
12	Wake up! Peptidoglycan lysis and bacterial non-growth states. <i>Trends in Microbiology</i> , 2006, 14, 271-276.	7.7	126
13	Identification of a Novel Gene Cluster Encoding Staphylococcal Exotoxin-Like Proteins: Characterization of the Prototypic Gene and Its Protein Product, SET1. <i>Infection and Immunity</i> , 2000, 68, 4407-4415.	2.2	119
14	Large scale production of cyclohexanone monooxygenase from <i>Escherichia coli</i> TOP10 pQR239. <i>Enzyme and Microbial Technology</i> , 2001, 28, 265-274.	3.2	119
15	Directed evolution of biocatalytic processes. <i>New Biotechnology</i> , 2005, 22, 11-19.	2.7	107
16	Physical and genetic analysis of the Inc-W group plasmids R388, Sa, and R7K. <i>Plasmid</i> , 1982, 7, 239-250.	1.4	104
17	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
18	Furfurylamines from biomass: transaminase catalysed upgrading of furfurals. <i>Green Chemistry</i> , 2017, 19, 397-404.	9.0	94

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19	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
20	Phosphate mediated biomimetic synthesis of tetrahydroisoquinoline alkaloids. <i>Chemical Communications</i> , 2011, 47, 3242.	4.1	84
21	Phage display in the study of infectious diseases. <i>Trends in Microbiology</i> , 2006, 14, 141-147.	7.7	80
22	A Multidisciplinary Approach Toward the Rapid and Preparative-Scale Biocatalytic Synthesis of Chiral Amino Alcohols: A Concise Transketolase- and 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
23	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
24	Enzyme-catalysed carbon-carbon bond formation: use of transketolase from <i>Escherichia coli</i> . <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1993, , 165-166.	0.9	76
25	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
26	Enzyme catalysed Pictet-Spengler formation of chiral 1,1'-disubstituted- and spiro-tetrahydroisoquinolines. <i>Nature Communications</i> , 2017, 8, 14883.	12.8	75
27	Directed evolution of transketolase activity on non-phosphorylated substrates. <i>Journal of Biotechnology</i> , 2007, 131, 425-432.	3.8	74
28	Engineering stereoselectivity of ThDP-dependent enzymes. <i>FEBS Journal</i> , 2013, 280, 6374-6394.	4.7	72
29	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
30	<i>Actinobacillus actinomycetemcomitans</i> . <i>Journal of Medical Microbiology</i> , 2002, 51, 1013-1020.	1.8	71
31	The Catalytic Potential of <i>Coptis japonica</i> NCS2 Revealed - Development and Utilisation of a Fluorescamine-Based Assay. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2997-3008.	4.3	70
32	One-pot triangular chemoenzymatic cascades for the syntheses of chiral alkaloids from dopamine. <i>Green Chemistry</i> , 2015, 17, 852-855.	9.0	70
33	Directed evolution of transketolase substrate specificity towards an aliphatic aldehyde. <i>Journal of Biotechnology</i> , 2008, 134, 240-245.	3.8	69
34	Bioprocess Engineering Issues That Would Be Faced in Producing a DNA Vaccine at up to 100 m <sup>3</sup> Fermentation Scale for an Influenza Pandemic. <i>Biotechnology Progress</i> , 2005, 21, 1577-1592.	2.6	66
35	Evolutionary Analysis of the TPP-Dependent Enzyme Family. <i>Journal of Molecular Evolution</i> , 2008, 66, 36-49.	1.8	66
36	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

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37	Pictet's Spenglerases in alkaloid biosynthesis: Future applications in biocatalysis. <i>Current Opinion in Chemical Biology</i> , 2020, 55, 69-76.	6.1	66
38	Martian sub-surface ionising radiation: biosignatures and geology. <i>Biogeosciences</i> , 2007, 4, 545-558.	3.3	65
39	Development of a simple method for the recovery of recombinant proteins from the <i>Escherichia coli</i> periplasm. <i>Enzyme and Microbial Technology</i> , 1996, 19, 332-338.	3.2	64
40	Resuscitation-promoting factors possess a lysozyme-like domain. <i>Trends in Biochemical Sciences</i> , 2004, 29, 7-10.	7.5	60
41	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
42	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
43	Protein CoAlation and antioxidant function of coenzyme A in prokaryotic cells. <i>Biochemical Journal</i> , 2018, 475, 1909-1937.	3.7	60
44	Homogeneous antibody fragment conjugation by disulfide bridging introduces spinostics™. <i>Scientific Reports</i> , 2013, 3, 1525.	3.3	59
45	CATH FunFMMer web server: protein functional annotations using functional family assignments. <i>Nucleic Acids Research</i> , 2015, 43, W148-W153.	14.5	59
46	Effects of fermentation strategy on the characteristics of plasmid DNA production. <i>Biotechnology and Applied Biochemistry</i> , 2003, 37, 83.	3.1	57
47	Identification by site-directed mutagenesis of amino acids in the subsite of bovine pancreatic ribonuclease A. <i>Protein Engineering, Design and Selection</i> , 1993, 6, 901-906.	2.1	56
48	Destruction of Raman biosignatures by ionising radiation and the implications for life detection on Mars. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 131-144.	3.7	56
49	Fluorescence Characterization of Clinically-Important Bacteria. <i>PLoS ONE</i> , 2013, 8, e75270.	2.5	56
50	Molecular relationships between <i>Pseudomonas</i> INC P-9 degradative plasmids TOL, NAH, and SAL. <i>Plasmid</i> , 1983, 10, 164-174.	1.4	54
51	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
52	Import and processing of heart mitochondrial cyclophilin D. <i>FEBS Journal</i> , 1999, 263, 353-359.	0.2	53
53	A colorimetric assay for screening transketolase activity. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 7062-7065.	3.0	51
54	Enhanced Heterologous Expression of Two <i>Streptomyces griseolus</i> Cytochrome P450s and <i>Streptomyces coelicolor</i> Ferredoxin Reductase as Potentially Efficient Hydroxylation Catalysts. <i>Applied and Environmental Microbiology</i> , 2003, 69, 373-382.	3.1	49

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55	Degradation of Cyanobacterial Biosignatures by Ionizing Radiation. <i>Astrobiology</i> , 2011, 11, 997-1016.	3.0	48
56	The identification and use of robust transaminases from a domestic drain metagenome. <i>Green Chemistry</i> , 2019, 21, 75-86.	9.0	47
57	Mapping of functions in the R-plasmid R388 by examination of deletion mutants generated in vitro. <i>Gene</i> , 1978, 3, 87-95.	2.2	46
58	Host strain influences on supercoiled plasmid DNA production in <i>Escherichia coli</i> : Implications for efficient design of large-scale processes. <i>Biotechnology and Bioengineering</i> , 2008, 101, 529-544.	3.3	45
59	Stereoselectivity of an $\alpha$ -transaminase-mediated amination of 1,3-dihydroxy-1-phenylpropane-2-one. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 570-574.	1.8	45
60	$\alpha$ -Dihydroxyketone formation using aromatic and heteroaromatic aldehydes with evolved transketolase enzymes. <i>Chemical Communications</i> , 2010, 46, 7608.	4.1	45
61	Synthesis of pyridoxamine 5-phosphate using an MBA:pyruvate transaminase as biocatalyst. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 59, 279-285.	1.8	44
62	Removal of contaminant nucleic acids by nitrocellulose filtration during pharmaceutical-grade plasmid DNA processing. <i>Journal of Biotechnology</i> , 2000, 76, 197-205.	3.8	42
63	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
64	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
65	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
66	Structural Evidence for the Dopamine-First Mechanism of Norcochlorine Synthase. <i>Biochemistry</i> , 2017, 56, 5274-5277.	2.5	40
67	Bacterial resuscitation factors: revival of viable but non-culturable bacteria. <i>Cellular and Molecular Life Sciences</i> , 2006, 63, 2555-2559.	5.4	38
68	Mechanism of resonant electron emission from the deprotonated GFP chromophore and its biomimetics. <i>Chemical Science</i> , 2017, 8, 3154-3163.	7.4	38
69	Analysis of the effect of changing environmental conditions on the expression patterns of exported surface-associated proteins of the oral pathogen <i>Actinobacillus actinomycetemcomitans</i> . <i>Microbial Pathogenesis</i> , 2001, 30, 359-368.	2.9	37
70	Modelling and optimisation of the one-pot, multi-enzymatic synthesis of chiral amino-alcohols based on microscale kinetic parameter determination. <i>Chemical Engineering Science</i> , 2015, 122, 360-372.	3.8	37
71	Synthesis of pharmaceutically relevant 17 $\alpha$ -amino steroids using an $\alpha$ -transaminase. <i>Chemical Communications</i> , 2014, 50, 6098-6100.	4.1	36
72	Multi-step biocatalytic strategies for chiral amino alcohol synthesis. <i>Enzyme and Microbial Technology</i> , 2015, 81, 23-30.	3.2	36

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73	One-pot chemoenzymatic synthesis of trolline and tetrahydroisoquinoline analogues. <i>Chemical Communications</i> , 2018, 54, 1323-1326.	4.1	36
74	Impact of intrinsic DNA structure on processing of plasmids for gene therapy and DNA vaccines. <i>Journal of Biotechnology</i> , 2004, 114, 239-254.	3.8	35
75	Characterization of Oxygen Transfer in Miniature and Lab-Scale Bubble Column Bioreactors and Comparison of Microbial Growth Performance Based on Constant <i>k</i> <sub>L</sub> a. <i>Biotechnology Progress</i> , 2008, 21, 1175-1182.	2.6	35
76	Transketolase catalysed upgrading of <i>D</i> -arabinose: the one-step stereoselective synthesis of <i>D</i> -gluco-heptulose. <i>Green Chemistry</i> , 2016, 18, 3158-3165.	9.0	35
77	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
78	Design and Use of de novo Cascades for the Biosynthesis of New Benzyloisoquinoline Alkaloids. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10120-10125.	13.8	34
79	Step change in the efficiency of centrifugation through cell engineering: co-expression of <i>Staphylococcal nuclease</i> to reduce the viscosity of the bioprocess feedstock. <i>Biotechnology and Bioengineering</i> , 2009, 104, 134-142.	3.3	32
80	Improved production and stability of <i>E. coli</i> recombinants expressing transketolase for large scale biotransformation. <i>Biotechnology Letters</i> , 1995, 17, 247-252.	2.2	30
81	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
82	$\alpha$ -Transaminases for the amination of functionalised cyclic ketones. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 8843-8851.	2.8	30
83	Acceptance and Kinetic Resolution of $\alpha$ -Methyl-Substituted Aldehydes by Norcochlorine Synthases. <i>ACS Catalysis</i> , 2019, 9, 9640-9649.	11.2	30
84	TTC-based screening assay for $\alpha$ -transaminases: A rapid method to detect reduction of 2-hydroxy ketones. <i>Journal of Biotechnology</i> , 2012, 159, 188-194.	3.8	29
85	The location of sequences of TnA required for the establishment of transposition immunity. <i>Molecular Genetics and Genomics</i> , 1981, 184, 80-86.	2.4	28
86	Reaction modelling and simulation to assess the integrated use of transketolase and $\alpha$ -transaminase for the synthesis of an aminotriol. <i>Biocatalysis and Biotransformation</i> , 2006, 24, 449-457.	2.0	28
87	Complete fluorescent fingerprints of extremophilic and photosynthetic microbes. <i>International Journal of Astrobiology</i> , 2010, 9, 245-257.	1.6	28
88	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
89	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
90	Precipitation of filamentous bacteriophages for their selective recovery in primary purification. <i>Biotechnology Progress</i> , 2012, 28, 129-136.	2.6	28

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91	Pasteurellaceae ComE1 Proteins Combine the Properties of Fibronectin Adhesins and DNA Binding Competence Proteins. PLoS ONE, 2008, 3, e3991.	2.5	28
92	Directed evolution to re-adapt a co-evolved network within an enzyme. Journal of Biotechnology, 2012, 157, 237-245.	3.8	27
93	Virus lasers for biological detection. Nature Communications, 2019, 10, 3594.	12.8	27
94	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
95	Tetrahydroisoquinolines affect the whole-cell phenotype of <i>Mycobacterium tuberculosis</i> by inhibiting the ATP-dependent MurE ligase. Journal of Antimicrobial Chemotherapy, 2015, 70, 1691-1703.	3.0	24
96	Nature-Inspired Bacterial Cellulose/Methylglyoxal (BC/MGO) Nanocomposite for Broad-Spectrum Antimicrobial Wound Dressing. Macromolecular Bioscience, 2020, 20, e2000070.	4.1	24
97	Novel Computational Protocols for Functionally Classifying and Characterising Serine Beta-Lactamases. PLoS Computational Biology, 2016, 12, e1004926.	3.2	24
98	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
99	Single active-site mutants are sufficient to enhance serine:pyruvate transaminase activity in an <i>l</i> -lysine transaminase. FEBS Journal, 2015, 282, 2512-2526.	4.7	23
100	Aminopolyols from Carbohydrates: Amination of Sugars and Sugar-Derived Tetrahydrofurans with Transaminases. Angewandte Chemie - International Edition, 2019, 58, 3854-3858.	13.8	23
101	Multienzyme One-Pot Cascades Incorporating Methyltransferases for the Strategic Diversification of Tetrahydroisoquinoline Alkaloids. Angewandte Chemie - International Edition, 2021, 60, 18673-18679.	13.8	23
102	How Streptomyces lividans uses oils and sugars as mixed substrates. Enzyme and Microbial Technology, 2003, 32, 157-166.	3.2	22
103	One-pot, two-step transaminase and transketolase synthesis of <i>l</i> -gluco-heptulose from <i>l</i> -arabinose. Enzyme and Microbial Technology, 2018, 116, 16-22.	3.2	22
104	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
105	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
106	Enzymatic and Chemoenzymatic Three-Step Cascades for the Synthesis of Stereochemically Complementary Trisubstituted Tetrahydroisoquinolines. Angewandte Chemie, 2017, 129, 12677-12681.	2.0	21
107	Analysis of the Inc P-1 group plasmids R906 and R751 and their relationship to RP1. Plasmid, 1982, 8, 244-252.	1.4	20
108	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



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109	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
110	Non-linear kinetic modelling of reversible bioconversions: Application to the transaminase catalyzed synthesis of chiral amino-alcohols. <i>Biochemical Engineering Journal</i> , 2013, 73, 38-48.	3.6	20
111	Study of robustness of filamentous bacteriophages for industrial applications. <i>Biotechnology and Bioengineering</i> , 2011, 108, 1468-1472.	3.3	19
112	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
113	A toolbox approach for the rapid evaluation of multi-step enzymatic syntheses comprising a mix and match <i>E. coli</i> expression system with microscale experimentation. <i>Biocatalysis and Biotransformation</i> , 2011, 29, 192-203.	2.0	18
114	Microscale methods to rapidly evaluate bioprocess options for increasing bioconversion yields: application to the $\alpha$ -transaminase synthesis of chiral amines. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 931-941.	3.4	18
115	Production of mature bovine pancreatic ribonuclease in <i>Escherichia coli</i> . <i>Gene</i> , 1992, 118, 239-245.	2.2	17
116	Large-scale 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
117	Library of Norcochloraurine Synthases and Their Immobilization for Biocatalytic Transformations. <i>Biotechnology Journal</i> , 2018, 13, e1700542.	3.5	17
118	Phosphocellulose as a tool for rapid purification of DNA-modifying enzymes. <i>Analytica Chimica Acta</i> , 1991, 249, 195-200.	5.4	16
119	Impact of plasmid size on cellular oxygen demand in <i>Escherichia coli</i> . <i>Biotechnology and Applied Biochemistry</i> , 2003, 38, 1.	3.1	16
120	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
121	A 1-step microplate method for assessing the substrate range of $\alpha$ -amino acid aminotransferase. <i>Enzyme and Microbial Technology</i> , 2013, 52, 218-225.	3.2	16
122	Evaluation of CV2025 $\alpha$ -transaminase for the bioconversion of lignin breakdown products into value-added chemicals: synthesis of vanillylamine from vanillin. <i>Biocatalysis and Biotransformation</i> , 2014, 32, 302-313.	2.0	16
123	Metagenome Mining: A Sequence Directed Strategy for the Retrieval of Enzymes for Biocatalysis. <i>ChemistrySelect</i> , 2016, 1, 2217-2220.	1.5	16
124	Engineering transketolase to accept both unnatural donor and acceptor substrates and produce $\alpha$ -hydroxyketones. <i>FEBS Journal</i> , 2020, 287, 1758-1776.	4.7	16
125	Stability of plasmid vector pIJ303 in <i>Streptomyces lividans</i> TK24 during laboratory-scale fermentations. <i>Biotechnology and Bioengineering</i> , 1993, 41, 148-155.	3.3	15
126	Degradation of supercoiled plasmid DNA within a capillary device. <i>Biotechnology and Bioengineering</i> , 2007, 97, 1148-1157.	3.3	15



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127	Astrobiological Considerations for the Selection of the Geological Filters on the ExoMars PanCam Instrument. <i>Astrobiology</i> , 2010, 10, 933-951.	3.0	15
128	Chemoenzymatic Cascades toward Methylated Tetrahydroprotoberberine and Protoberberine Alkaloids. <i>Organic Letters</i> , 2021, 23, 6342-6347.	4.6	15
129	The tnpR gene product of TnA is required for transposition immunity. <i>Molecular Genetics and Genomics</i> , 1981, 184, 87-91.	2.4	14
130	Comparative functional genomic analysis of Pasteurellaceae adhesins using phage display. <i>Veterinary Microbiology</i> , 2007, 122, 123-134.	1.9	14
131	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
132	Long-term stabilization of reflective foams in sea water. <i>RSC Advances</i> , 2014, 4, 53028-53036.	3.6	14
133	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
134	Norcochlorine Synthase-Mediated Stereoselective Synthesis of 1,1-Disubstituted, Spiro- and Bis-Tetrahydroisoquinoline Alkaloids. <i>ACS Catalysis</i> , 2021, 11, 131-138.	11.2	14
135	Sequence of the <i>Streptomyces thermoviolaceus</i> CUB74 $\alpha$ -amylase-encoding gene and its transcription analysis in <i>Streptomyces lividans</i> . <i>Gene</i> , 1993, 127, 133-137.	2.2	13
136	Biomimetic Phosphate-Catalyzed Pictet-Spengler Reaction for the Synthesis of 1,1-Disubstituted and Spiro-Tetrahydroisoquinoline Alkaloids. <i>Journal of Organic Chemistry</i> , 2019, 84, 7702-7710.	3.2	13
137	Metagenomic ene-reductases for the bioreduction of sterically challenging enones. <i>RSC Advances</i> , 2019, 9, 36608-36614.	3.6	13
138	Expression and characterisation of the korB gene product from the <i>Streptomyces lividans</i> plasmid pIJ101 in <i>Escherichia coli</i> and determination of its binding site on the korB and kilB promoters. <i>Nucleic Acids Research</i> , 1992, 20, 3693-3700.	14.5	12
139	Expression and purification of a recombinant metal-binding T4 lysozyme fusion protein. <i>Journal of Biotechnology</i> , 1996, 49, 231-238.	3.8	10
140	Identification of the Exported Proteins of the Oral Opportunistic Pathogen <i>Actinobacillus actinomycetemcomitans</i> by Using Alkaline Phosphatase Fusions. <i>Infection and Immunity</i> , 2001, 69, 2748-2752.	2.2	10
141	A comparison of the process issues in expressing the same recombinant enzyme periplasmically in <i>Escherichia coli</i> and extracellularly in <i>Streptomyces lividans</i> . <i>Journal of Biotechnology</i> , 2002, 92, 205-215.	3.8	10
142	Directed evolution of a thermostable L-aminoacylase biocatalyst. <i>Journal of Biotechnology</i> , 2011, 155, 396-405.	3.8	10
143	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
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