Lawrence P Wackett

List of Publications by Year
in descending order

397 papers	6,980 citations	61857 43 h-index	66788 78 g-index
407 all docs	407 docs citations	407 times ranked	5451 citing authors

#	Article	IF	Citations
1	Haloalkene oxidation by the soluble methane monooxygenase from Methylosinus trichosporium OB3b: mechanistic and environmental implications. Biochemistry, 1990, 29, 6419-6427.	1.2	420
2	Reductive dechlorination catalyzed by bacterial transition-metal coenzymes. Environmental Science & Technology, 1991, 25, 715-722.	4.6	336
3	Complete Nucleotide Sequence and Organization of the Atrazine Catabolic Plasmid pADP-1 from Pseudomonas sp . Strain ADP. Journal of Bacteriology, 2001, 183, 5684-5697.	1.0	324
4	Engineering Deinococcus radiodurans for metal remediation in radioactive mixed waste environments. Nature Biotechnology, 2000, 18, 85-90.	9.4	322
5	Benzylic monooxygenation catalyzed by toluene dioxygenase from Pseudomonas putida. Biochemistry, 1988, 27, 1360-1367.	1.2	232
6	The Atrazine Catabolism Genes<i>atzABC</i>Are Widespread and Highly Conserved. Journal of Bacteriology, 1998, 180, 1951-1954.	1.0	225
7	Arthrobacter aurescens TC1 Metabolizes Diverse s-Triazine Ring Compounds. Applied and Environmental Microbiology, 2002, 68, 5973-5980.	1.4	203
8	Molecular Basis of a Bacterial Consortium: Interspecies Catabolism of Atrazine. Applied and Environmental Microbiology, 1998, 64, 178-184.	1.4	187
9	Engineering a recombinant Deinococcus radiodurans for organopollutant degradation in radioactive mixed waste environments. Nature Biotechnology, 1998, 16, 929-933.	9.4	169
10	The University of Minnesota Biocatalysis/Biodegradation Database: the first decade. Nucleic Acids Research, 2006, 34, D517-D521.	6.5	158
11	Rapid hydrolysis of atrazine to hydroxyatrazine by soil bacteria. Environmental Science & Technology, 1993, 27, 1943-1946.	4.6	145
12	Microbial Genomics and the Periodic Table. Applied and Environmental Microbiology, 2004, 70, 647-655.	1.4	138
13	Field-scale remediation of atrazine-contaminated soil using recombinant Escherichia coli expressing atrazine chlorohydrolase. Environmental Microbiology, 2000, 2, 91-98.	1.8	137
14	Manganese(II)-Dependent Extradiol-Cleaving Catechol Dioxygenase fromArthrobacter globiformisCM-2â€. Biochemistry, 1996, 35, 160-170.	1.2	130
15	Melamine Deaminase and Atrazine Chlorohydrolase: 98 Percent Identical but Functionally Different. Journal of Bacteriology, 2001, 183, 2405-2410.	1.0	119
16	Biocatalysis and Biodegradation. , 2001, , .		114
17	Widespread Head-to-Head Hydrocarbon Biosynthesis in Bacteria and Role of OleA. Applied and Environmental Microbiology, 2010, 76, 3850-3862.	1.4	108
18	Metabolism of polyhalogenated compounds by a genetically engineered bacterium. Nature, 1994, 368, 627-629.	13.7	103

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19	Novel enzyme activities and functional plasticity revealed by recombining highly homologous enzymes. Chemistry and Biology, 2001, 8, 891-898.	6.2	102
20	Biomass to fuels via microbial transformations. Current Opinion in Chemical Biology, 2008, 12, 187-193.	2.8	102
21	Biosynthesis and chemical diversity of Î²-lactone natural products. Natural Product Reports, 2019, 36, 458-475.	5.2	101
22	Reductive dehalogenation by cytochrome P450CAM: Substrate binding and catalysis. Biochemistry, 1993, 32, 9355-9361.	1.2	100
23	Mechanism and applications of Rieske non-heme iron dioxygenases. Enzyme and Microbial Technology, 2002, 31, 577-587.	1.6	91
24	The University of Minnesota pathway prediction system: predicting metabolic logic. Nucleic Acids Research, 2008, 36, W427-W432.	6.5	89
25	Biodegradation of atrazine in transgenic plants expressing a modified bacterial atrazine chlorohydrolase (atzA) gene. Plant Biotechnology Journal, 2005, 3, 475-486.	4.1	86
26	The University of Minnesota Pathway Prediction System: multi-level prediction and visualization. Nucleic Acids Research, 2011, 39, W406-W411.	6.5	85
27	Rapid Evolution of Bacterial Catabolic Enzymes:Â A Case Study with Atrazine Chlorohydrolaseâ€. Biochemistry, 2001, 40, 12747-12753.	1.2	83
28	Structure, Function, and Insights into the Biosynthesis of a Head-to-Head Hydrocarbon in Shewanella oneidensis Strain MR-1. Applied and Environmental Microbiology, 2010, 76, 3842-3849.	1.4	80
29	Deinococcus radiodurans engineered for complete toluene degradation facilitates Cr(VI) reduction. Microbiology (United Kingdom), 2006, 152, 2469-2477.	0.7	77
30	Microbial Pathway Prediction:â€‰ A Functional Group Approach. Journal of Chemical Information and Computer Sciences, 2003, 43, 1051-1057.	2.8	74
31	Rat liver protein linking chemical and immunological detoxification systems. Nature, 1992, 360, 269-270.	13.7	73
32	Biodegradation in Waters from Hydraulic Fracturing: Chemistry, Microbiology, and Engineering. Journal of Environmental Engineering, ASCE, 2014, 140, .	0.7	70
33	On the Origins of Cyanuric Acid Hydrolase: Purification, Substrates, and Prevalence of AtzD from Pseudomonas sp. Strain ADP. Applied and Environmental Microbiology, 2003, 69, 3653-3657.	1.4	68
34	Substrate Specificity of Atrazine Chlorohydrolase and Atrazine-Catabolizing Bacteria. Applied and Environmental Microbiology, 2000, 66, 4247-4252.	1.4	65
35	Allophanate Hydrolase, Not Urease, Functions in Bacterial Cyanuric Acid Metabolism. Applied and Environmental Microbiology, 2005, 71, 4437-4445.	1.4	64
36	Cyanobacterial Aldehyde Deformylase Oxygenation of Aldehydes Yields <i>n</i> â€“ 1 Aldehydes and Alcohols in Addition to Alkanes. ACS Catalysis, 2013, 3, 2228-2238.	5.5	58

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37	Use of the University of Minnesota Biocatalysis/Biodegradation Database for study of microbial degradation. Microbial Informatics and Experimentation, 2012, 2, 1.	7.6	56
38	Microbialâ€based motor fuels: science and technology. Microbial Biotechnology, 2008, 1, 211-225.	2.0	55
39	Purification and Characterization of OleA from Xanthomonas campestris and Demonstration of a Non-decarboxylative Claisen Condensation Reaction. Journal of Biological Chemistry, 2011, 286, 10930-10938.	1.6	55
40	Evolution of Enzymes for the Metabolism of New Chemical Inputs into the Environment. Journal of Biological Chemistry, 2004, 279, 41259-41262.	1.6	53
41	Purification and Characterization of Allophanate Hydrolase (AtzF) from Pseudomonas sp. Strain ADP. Journal of Bacteriology, 2005, 187, 3731-3738.	1.0	52
42	Substrate Specificity and Colorimetric Assay for Recombinant TrzN Derived from Arthrobacter aurescens TC1. Applied and Environmental Microbiology, 2005, 71, 2214-2220.	1.4	51
43	Nothing lasts forever: understanding microbial biodegradation of polyfluorinated compounds and perfluorinated alkyl substances. Microbial Biotechnology, 2022, 15, 773-792.	2.0	49
44	TrzN from Arthrobacter aurescens TC1 Is a Zinc Amidohydrolase. Journal of Bacteriology, 2006, 188, 5859-5864.	1.0	47
45	Genomic and Biochemical Studies Demonstrating the Absence of an Alkane-Producing Phenotype in <i>Vibrio furnissii</i> M1. Applied and Environmental Microbiology, 2007, 73, 7192-7198.	1.4	46
46	Î²-Lactone Synthetase Found in the Olefin Biosynthesis Pathway. Biochemistry, 2017, 56, 348-351.	1.2	45
47	MIF proteins are thetaâ€class glutathione Sâ€transferase homologs. Protein Science, 1993, 2, 2095-2102.	3.1	44
48	Stable isotope probing in biodegradation research. Trends in Biotechnology, 2004, 22, 153-154.	4.9	39
49	<i>In Silico</i> Identification of Bioremediation Potential: Carbamazepine and Other Recalcitrant Personal Care Products. Environmental Science & Technology, 2017, 51, 880-888.	4.6	39
50	Engineering microbes to produce biofuels. Current Opinion in Biotechnology, 2011, 22, 388-393.	3.3	38
51	Questioning our perceptions about evolution of biodegradative enzymes. Current Opinion in Microbiology, 2009, 12, 244-251.	2.3	35
52	Stimulus-responsive self-assembly of protein-based fractals by computational design. Nature Chemistry, 2019, 11, 605-614.	6.6	35
53	Methodological Advances to Study Contaminant Biotransformation: New Prospects for Understanding and Reducing Environmental Persistence?. ACS ES&T Water, 2021, 1, 1541-1554.	2.3	35
54	Bacterial Ammeline Metabolism via Guanine Deaminase. Journal of Bacteriology, 2010, 192, 1106-1112.	1.0	33

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55	The ever-expanding limits of enzyme catalysis and biodegradation: polyaromatic, polychlorinated, polyfluorinated, and polymeric compounds. Biochemical Journal, 2020, 477, 2875-2891.	1.7	32
56	Enzymatic Degradation of Chlorodiamino- s -Triazine. Applied and Environmental Microbiology, 2002, 68, 4672-4675.	1.4	31
57	Silica gel-encapsulated AtzA biocatalyst for atrazine biodegradation. Applied Microbiology and Biotechnology, 2012, 96, 231-240.	1.7	31
58	Use of Silica-Encapsulated Pseudomonas sp. Strain NCIB 9816-4 in Biodegradation of Novel Hydrocarbon Ring Structures Found in Hydraulic Fracturing Waters. Applied and Environmental Microbiology, 2014, 80, 4968-4976.	1.4	29
59	X-ray Structure and Mutational Analysis of the Atrazine Chlorohydrolase TrzN. Journal of Biological Chemistry, 2010, 285, 30606-30614.	1.6	28
60	Silicon alkoxide cross-linked silica nanoparticle gels for encapsulation of bacterial biocatalysts. Journal of Materials Chemistry A, 2013, 1, 11051.	5.2	28
61	Adsorption and Biodegradation of Aromatic Chemicals by Bacteria Encapsulated in a Hydrophobic Silica Gel. ACS Applied Materials & Interfaces, 2017, 9, 26848-26858.	4.0	28
62	Directed Evolution of New Enzymes and Pathways for Environmental Biocatalysisa. Annals of the New York Academy of Sciences, 1998, 864, 142-152.	1.8	27
63	Purification and Characterization of TrzF: Biuret Hydrolysis by Allophanate Hydrolase Supports Growth. Applied and Environmental Microbiology, 2006, 72, 2491-2495.	1.4	27
64	Defining Sequence Space and Reaction Products within the Cyanuric Acid Hydrolase (AtzD)/Barbiturase Protein Family. Journal of Bacteriology, 2012, 194, 4579-4588.	1.0	27
65	Machine learning-based prediction of activity and substrate specificity for OleA enzymes in the thiolase superfamily. Synthetic Biology, 2020, 5, .	1.2	27
66	Solving the Conundrum: Widespread Proteins Annotated for Urea Metabolism in Bacteria Are Carboxyguanidine Deiminases Mediating Nitrogen Assimilation from Guanidine. Biochemistry, 2020, 59, 3258-3270.	1.2	27
67	Crystal Structures of <i>Xanthomonas campestris</i> OleA Reveal Features That Promote Head-to-Head Condensation of Two Long-Chain Fatty Acids. Biochemistry, 2012, 51, 4138-4146.	1.2	26
68	Characteristic Isotope Fractionation Patterns in <i>s</i>-Triazine Degradation Have Their Origin in Multiple Protonation Options in the <i>s</i>-Triazine Hydrolase TrzN. Environmental Science & Technology, 2015, 49, 3490-3498.	4.6	26
69	New Family of Biuret Hydrolases Involved in <i>s</i>-Triazine Ring Metabolism. ACS Catalysis, 2011, 1, 1075-1082.	5.5	24
70	C ₂₉ Olefinic Hydrocarbons Biosynthesized by <i>Arthrobacter</i> Species. Applied and Environmental Microbiology, 2009, 75, 1774-1777.	1.4	23
71	Enhanced biodegradation of atrazine by bacteria encapsulated in organically modified silica gels. Journal of Colloid and Interface Science, 2018, 510, 57-68.	5.0	23
72	Plasmid Localization and Organization of Melamine Degradation Genes in Rhodococcus sp. Strain Mel. Applied and Environmental Microbiology, 2012, 78, 1397-1403.	1.4	22

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73	Global analysis of adenylate-forming enzymes reveals Î²-lactone biosynthesis pathway in pathogenic Nocardia. Journal of Biological Chemistry, 2020, 295, 14826-14839.	1.6	22
74	Manufacturing of bioreactive nanofibers for bioremediation. Biotechnology and Bioengineering, 2014, 111, 1483-1493.	1.7	21
75	Substrate Trapping in Crystals of the Thiolase OleA Identifies Three Channels That Enable Long Chain Olefin Biosynthesis. Journal of Biological Chemistry, 2016, 291, 26698-26706.	1.6	21
76	Ancient Evolution and Recent Evolution Converge for the Biodegradation of Cyanuric Acid and Related Triazines. Applied and Environmental Microbiology, 2016, 82, 1638-1645.	1.4	21
77	Simulation of the Bottleneck Controlling Access into a Rieske Active Site: Predicting Substrates of Naphthalene 1,2-Dioxygenase. Journal of Chemical Information and Modeling, 2017, 57, 550-561.	2.5	21
78	Global biogeochemical cycles. Environmental Microbiology, 2016, 18, 1088-1089.	1.8	20
79	Why Is the Biodegradation of Polyfluorinated Compounds So Rare?. MSphere, 2021, 6, e0072121.	1.3	20
80	Novel biocatalysis by database mining. Current Opinion in Biotechnology, 2004, 15, 280-284.	3.3	19
81	Modelling and optimization of a bioremediation system utilizing silica gel encapsulated whole-cell biocatalyst. Chemical Engineering Journal, 2015, 259, 574-580.	6.6	19
82	Active Multienzyme Assemblies for Long-Chain Olefinic Hydrocarbon Biosynthesis. Journal of Bacteriology, 2017, 199, .	1.0	18
83	Enhancement of biocatalyst activity and protection against stressors using a microbial exoskeleton. Scientific Reports, 2019, 9, 3158.	1.6	18
84	Filling in the Gaps in Metformin Biodegradation: a New Enzyme and a Metabolic Pathway for Guanylurea. Applied and Environmental Microbiology, 2021, 87, .	1.4	17
85	Microbial Degradation of s-Triazine Herbicides. , 2008, , 301-328.		16
86	Thermostable Cyanuric Acid Hydrolase from <i>Moorella thermoacetica</i> ATCC 39073. Applied and Environmental Microbiology, 2009, 75, 6986-6991.	1.4	16
87	Dehalogenation in environmental biotechnology. Current Opinion in Biotechnology, 1994, 5, 260-265.	3.3	15
88	Bacterial Cyanuric Acid Hydrolase for Water Treatment. Applied and Environmental Microbiology, 2015, 81, 6660-6668.	1.4	14
89	Cyanuric Acid Biodegradation via Biuret: Physiology, Taxonomy, and Geospatial Distribution. Applied and Environmental Microbiology, 2020, 86, .	1.4	14
90	Engineering of a silica encapsulation platform for hydrocarbon degradation using <i>Pseudomonas sp</i>. NCIB 9816â€4. Biotechnology and Bioengineering, 2016, 113, 513-521.	1.7	12

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91	Cloning, purification, crystallization and preliminary X-ray diffraction of the OleC protein fromStenotrophomonas maltophiliainvolved in head-to-head hydrocarbon biosynthesis. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 1108-1110.	0.7	11
92	Expanding the Cyanuric Acid Hydrolase Protein Family to the Fungal Kingdom. Journal of Bacteriology, 2013, 195, 5233-5241.	1.0	11
93	Silica Gel for Enhanced Activity and Hypochlorite Protection of Cyanuric Acid Hydrolase in Recombinant Escherichia coli. MBio, 2015, 6, e01477-15.	1.8	11
94	Cyanuric Acid Hydrolase from Azorhizobium caulinodans ORS 571: Crystal Structure and Insights into a New Class of Ser-Lys Dyad Proteins. PLoS ONE, 2014, 9, e99349.	1.1	11
95	Unexpected Mechanism of Biodegradation and Defluorination of 2,2-Difluoro-1,3-Benzodioxole by Pseudomonas putida F1. MBio, 2021, 12, e0300121.	1.8	10
96	Microwell Fluoride Screen for Chemical, Enzymatic, and Cellular Reactions Reveals Latent Microbial Defluorination Capacity for â˜’CF ₃ Groups. Applied and Environmental Microbiology, 2022, 88, e0028822.	1.4	10
97	Production of monodisperse silica gel microspheres for bioencapsulation by extrusion into an oil cross-flow. Journal of Microencapsulation, 2016, 33, 412-420.	1.2	9
98	Microbial biodegradation of biuret: defining biuret hydrolases within the isochorismatase superfamily. Environmental Microbiology, 2018, 20, 2099-2111.	1.8	9
99	Bioâ€based and biodegradable plastics. Microbial Biotechnology, 2019, 12, 1492-1493.	2.0	9
100	Long-term preservation of silica gel-encapsulated bacterial biocatalysts by desiccation. Journal of Sol-Gel Science and Technology, 2015, 74, 823-833.	1.1	8
101	<i>Pseudomonas</i>: versatile biocatalysts for <scp>PFAS</scp>. Environmental Microbiology, 2022, 24, 2882-2889.	1.8	8
102	Thermophiles and thermophilic enzymes. Microbial Biotechnology, 2011, 4, 799-800.	2.0	7
103	Silica ecosystem for synergistic biotransformation. Scientific Reports, 2016, 6, 27404.	1.6	7
104	Evolution of New Enzymes and Pathways: Soil Microbes Adapt to s-Triazine Herbicides. ACS Symposium Series, 2003, , 37-48.	0.5	6
105	Microbial Î²â€lactone natural products. Microbial Biotechnology, 2017, 10, 218-220.	2.0	6
106	Purification and Characterization of the Mutant Enzyme W117Y of the Dichloromethane Dehalogenase from Methylophilus sp. Strain DM11. Annals of the New York Academy of Sciences, 1998, 864, 210-213.	1.8	5
107	Atrazine Hydrolysis by a Bacterial Enzyme. ACS Symposium Series, 1998, , 82-87.	0.5	5
108	Structure of the Cyanuric Acid Hydrolase TrzD Reveals Product Exit Channel. Scientific Reports, 2017, 7, 45277.	1.6	5

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109	Microbial biocatalysis databases. Microbial Biotechnology, 2018, 11, 429-431.	2.0	5
110	Mechanism of a Standalone Î²â€Lactone Synthetase: Newâ€‰Continuous Assay for a Widespread ANL Superfamily Enzyme. ChemBioChem, 2019, 20, 1701-1711.	1.3	5
111	Microbial industrial enzymes. Microbial Biotechnology, 2019, 12, 405-406.	2.0	5
112	Soil DNA and the microbial metagenome An annotated selection of World Wide Web sites relevant to the topics in Environmental Microbiology. Web alert. Environmental Microbiology, 2001, 3, 352-353.	1.8	4
113	Rapid Method Using Two Microbial Enzymes for Detection of <scp>l</scp> -Abrine in Food as a Marker for the Toxic Protein Abrin. Applied and Environmental Microbiology, 2015, 81, 1610-1615.	1.4	4
114	OleA Glu117 is key to condensation of two fatty-acyl coenzyme A substrates in long-chain olefin biosynthesis. Biochemical Journal, 2017, 474, 3871-3886.	1.7	4
115	The role of OleA His285 in orchestration of longâ€chain acylâ€coenzyme A substrates. FEBS Letters, 2018, 592, 987-998.	1.3	4
116	Natural product databases. Microbial Biotechnology, 2018, 11, 797-798.	2.0	4
117	<scp>Coreâ€shell</scp> encapsulation formulations to stabilize desiccated <i>Bradyrhizobium</i> against high environmental temperature and humidity. Microbial Biotechnology, 0, , .	2.0	4
118	Genetics of Atrazine and s-Triazine Degradation by Psedomonas sp. Strain ADP and Other Bacteria. ACS Symposium Series, 2000, , 268-282.	0.5	3
119	Quorum sensing. Environmental Microbiology, 2008, 10, 2899-2900.	1.8	3
120	Microbial commercial enzymes. Microbial Biotechnology, 2011, 4, 548-549.	2.0	3
121	Bioremediation of oil spills. Microbial Biotechnology, 2012, 5, 450-451.	2.0	3
122	Crystallization and preliminary X-ray diffraction studies of cyanuric acid hydrolase from<i>Azorhizobium caulinodans</i>. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 880-883.	0.7	3
123	Microbes and antibiotics. Microbial Biotechnology, 2013, 6, 740-741.	2.0	3
124	Microbiology of the built environment. Environmental Microbiology Reports, 2013, 5, 776-777.	1.0	3
125	Microbial strain collections and information. Microbial Biotechnology, 2014, 7, 371-372.	2.0	3
126	Hydrocarbon Biosynthesis in Microorganisms. , 2015, , 13-31.		3

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127	Lactic acid bacteria. Microbial Biotechnology, 2016, 9, 525-526.	2.0	3
128	Microbial acid fermentation products. Microbial Biotechnology, 2018, 11, 268-269.	2.0	3
129	Microbial industrial enzymes. Microbial Biotechnology, 2019, 12, 1090-1091.	2.0	3
130	Rings of Power: Enzymatic Routes to Î²-Lactones. , 2020, , 323-345.		3
131	<i>In Vivo</i> Assay Reveals Microbial OleA Thiolases Initiating Hydrocarbon and Î²-Lactone Biosynthesis. MBio, 2020, 11, .	1.8	3
132	Microbial biocatalysis and biodegradation informatics. Nature Biotechnology, 1997, 15, 1406-1406.	9.4	2
133	Microbes in biocontrol. Web alert. Environmental Microbiology, 2000, 2, 348-348.	1.8	2
134	Pathways to Discovering New Microbial Metabolism for Functional Genomics and Biotechnology. Advances in Applied Microbiology, 2007, 61, 219-232.	1.3	2
135	Environmental fate of pesticides. Environmental Microbiology, 2007, 9, 3150-3151.	1.8	2
136	Microbial ethanol for fuel and food. Environmental Microbiology, 2008, 10, 278-279.	1.8	2
137	Petroleum microbiology. Microbial Biotechnology, 2012, 5, 579-580.	2.0	2
138	Halophilic microorganisms. Environmental Microbiology Reports, 2012, 4, 467-468.	1.0	2
139	Microbiology for odour production and abatement. Microbial Biotechnology, 2013, 6, 85-86.	2.0	2
140	Bacteria in sand. Environmental Microbiology, 2013, 15, 2144-2145.	1.8	2
141	Permeabilized microbes in biotechnology. Microbial Biotechnology, 2014, 7, 485-486.	2.0	2
142	Antibiosis in the environment. Environmental Microbiology Reports, 2014, 6, 532-533.	1.0	2
143	Microbial adhesion. Environmental Microbiology Reports, 2015, 7, 164-165.	1.0	2
144	Broad specificity microbial enzymes. Microbial Biotechnology, 2015, 8, 188-189.	2.0	2

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145	The plant microbiome in biotechnology. Microbial Biotechnology, 2016, 9, 868-870.	2.0	2
146	Arthrobacterand related genera. Microbial Biotechnology, 2016, 9, 136-138.	2.0	2
147	Crystal structures of Moorella thermoacetica cyanuric acid hydrolase reveal conformational flexibility and asymmetry important for catalysis. PLoS ONE, 2019, 14, e0216979.	1.1	2
148	Inexpensive microbial dipstick diagnostic for nitrate in water. Environmental Science: Water Research and Technology, 2019, 5, 406-416.	1.2	2
149	Microbial biotechnology for water treatment. Microbial Biotechnology, 2019, 12, 574-575.	2.0	2
150	Antimicrobial peptides. Microbial Biotechnology, 2019, 12, 180-181.	2.0	2
151	Microbial meat substitutes. Microbial Biotechnology, 2020, 13, 1284-1285.	2.0	2
152	Discovery of an ultraspecific triuret hydrolase (TrtA) establishes the triuret biodegradation pathway. Journal of Biological Chemistry, 2021, 296, 100055.	1.6	2
153	Development of the Organonitrogen Biodegradation Database: Teaching Bioinformatics and Collaborative Skills to Undergraduates during a Pandemic â€. Journal of Microbiology and Biology Education, 2021, 22, .	0.5	2
154	The future of <i>Microbial Biotechnology</i>. Microbial Biotechnology, 2022, 15, 79-80.	2.0	2
155	Microbial metabolic engineering. Microbial Biotechnology, 2022, 15, 1666-1667.	2.0	2
156	Annotation for environmental metagenomes. Environmental Microbiology, 2012, 14, 3066-3067.	1.8	1
157	Industrial applications of microbial saltâ€tolerant enzymes. Microbial Biotechnology, 2012, 5, 668-669.	2.0	1
158	Antimicrobial agents on surfaces and in the environment. Environmental Microbiology, 2012, 14, 1347-1348.	1.8	1
159	Microbial mineralization. Environmental Microbiology, 2013, 15, 980-981.	1.8	1
160	Commercial microbial polysaccharides. Microbial Biotechnology, 2013, 6, 314-315.	2.0	1
161	Microbial responses to biocides. Environmental Microbiology, 2013, 15, 3119-3120.	1.8	1
162	Microbial biocontrol agents. Microbial Biotechnology, 2013, 6, 443-444.	2.0	1

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163	Identifying Novel Microbial Catalysis by Enrichment Culture and Screening. , 2014, , 27-38.		1
164	Physiological Processes: Enzymes, Emulsification, Uptake, and Chemotaxis. , 0, , 95-113.		1
165	Metabolic Logic and Pathway Maps. , 2014, , 135-155.		1
166	Anaerobic hydrocarbon biodegradation. Environmental Microbiology, 2014, 16, 2351-2352.	1.8	1
167	Product recovery in microbial biotechnology. Microbial Biotechnology, 2014, 7, 276-277.	2.0	1
168	Nitrogen fixation in microbial biotechnology. Microbial Biotechnology, 2015, 8, 896-897.	2.0	1
169	Fungal bioproducts. Microbial Biotechnology, 2015, 8, 1013-1014.	2.0	1
170	Design of porous silica gels for bioremediation of aromatic hydrocarbons. , 2015, , .		1
171	Pseudomonas. Environmental Microbiology, 2015, 17, 253-254.	1.8	1
172	Engineering microbial consortia for biotechnology. Microbial Biotechnology, 2015, 8, 361-362.	2.0	1
173	Specialty chemicals from microbes. Microbial Biotechnology, 2015, 8, 614-615.	2.0	1
174	Enzyme-based sensors. Microbial Biotechnology, 2016, 9, 430-431.	2.0	1
175	Genomics for natural product discovery. Microbial Biotechnology, 2016, 9, 275-276.	2.0	1
176	Microbial therapeutics. Microbial Biotechnology, 2017, 10, 666-667.	2.0	1
177	Anaerobic consortia and waste treatment. Microbial Biotechnology, 2018, 11, 966-967.	2.0	1
178	Managing microbiomes for human health. Microbial Biotechnology, 2018, 11, 566-567.	2.0	1
179	Web Alert: Environmental viruses of prokaryotes: An annotated selection of World Wide Web sites relevant to the topics in environmental microbiology. Environmental Microbiology, 2019, 21, 2198-2199.	1.8	1
180	Plant microbiomes. Microbial Biotechnology, 2019, 12, 814-815.	2.0	1

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181	Microbial nitrogen metabolism: An annotated selection of World Wide Web sites relevant to the topics in environmental microbiology. Environmental Microbiology, 2019, 21, 1511-1512.	1.8	1
182	Microbial seed treatments. Microbial Biotechnology, 2020, 13, 299-300.	2.0	1
183	Isotope effects in environmental microbiology: An annotated selection of World Wide Web sites relevant to the topics in environmental microbiology. Environmental Microbiology, 2020, 22, 2991-2992.	1.8	1
184	SARSâ€CoVâ€2: Environment and spread: An annotated selection of World Wide Web sites relevant to the topics in environmental microbiology. Environmental Microbiology, 2020, 22, 2443-2444.	1.8	1
185	Microbial biocontrols in agriculture. Microbial Biotechnology, 2020, 13, 814-815.	2.0	1
186	p-Nitrophenyl esters provide new insights and applications for the thiolase enzyme OleA. Computational and Structural Biotechnology Journal, 2021, 19, 3087-3096.	1.9	1
187	Biodegradation of plastics. Environmental Microbiology Reports, 2021, 13, 73-74.	1.0	1
188	Immobilized microbial cell biocatalysts. Microbial Biotechnology, 2021, 14, 752-753.	2.0	1
189	Web Alert: Amino acids from microbes for biotechnology. Microbial Biotechnology, 2021, 14, 2241-2242.	2.0	1
190	Predicting Microbial Biocatalysis and Biodegradation. , 0, , 157-170.		1
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