

Frank Hollmann

List of Publications by Year in descending order

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263
papers

14,817
citations

15504

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h-index

27406

106
g-index

300
all docs

300
docs citations

300
times ranked

8824
citing authors

#	ARTICLE	IF	CITATIONS
1	Valorization of Small Alkanes by Biocatalytic Oxyfunctionalization. <i>ChemSusChem</i> , 2022, 15, .	6.8	9
2	Is water the best solvent for biocatalysis?. <i>Molecular Catalysis</i> , 2022, 517, 112035.	2.0	22
3	Biocatalysis making waves in organic chemistry. <i>Chemical Society Reviews</i> , 2022, 51, 594-627.	38.1	98
4	A Peroxygenase-Alcohol Dehydrogenase Cascade Reaction to Transform Ethylbenzene Derivatives into Enantioenriched Phenylethanols. <i>ChemBioChem</i> , 2022, 23, .	2.6	12
5	Chemoenzymatic intermolecular haloether synthesis. <i>Molecular Catalysis</i> , 2022, 517, 112061.	2.0	3
6	Enzymatic Bromocyclization of β - and γ -Allenols by Chloroperoxidase from <i>Curvularia inaequalis</i> . <i>ChemistryOpen</i> , 2022, 11, e202100236.	1.9	5
7	Unbiased Photoelectrode Interfaces for Solar Coupling of Lignin Oxidation with Biocatalytic C-C Bond Hydrogenation. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 11465-11473.	8.0	16
8	Lignin as a multifunctional photocatalyst for solar-powered biocatalytic oxyfunctionalization of C-H bonds. , 2022, 1, 217-226.		40
9	Process Intensification as Game Changer in Enzyme Catalysis. <i>Frontiers in Catalysis</i> , 2022, 2, .	3.9	19
10	More efficient enzymatic cascade reactions by spatially confining enzymes via the SpyTag/SpyCatcher technology. <i>Molecular Catalysis</i> , 2022, 521, 112188.	2.0	8
11	Molecular Catalysis for the Chemistry of the future: a perspective. <i>Molecular Catalysis</i> , 2022, 522, 112233.	2.0	9
12	Surfing the wave of oxyfunctionalization chemistry by engineering fungal unspecific peroxygenases. <i>Current Opinion in Structural Biology</i> , 2022, 73, 102342.	5.7	30
13	Chemoenzymatic Hunsdiecker-Type Decarboxylative Bromination of Cinnamic Acids. <i>ACS Catalysis</i> , 2022, 12, 4554-4559.	11.2	8
14	Study on green extraction of limonene from orange peel and cascade catalysis to produce carvol and carvone in deep eutectic solvents. <i>Flavour and Fragrance Journal</i> , 2022, 37, 254-261.	2.6	4
15	Alcohol Dehydrogenases as Catalysts in Organic Synthesis. <i>Frontiers in Catalysis</i> , 2022, 2, .	3.9	21
16	Assessing Peroxygenase-Mediated Oxidations in the Presence of High Concentrations of Water-Miscible Co-Solvents. <i>Frontiers in Catalysis</i> , 2022, 2, .	3.9	12
17	Triplet-triplet annihilation-based photon-upconversion to broaden the wavelength spectrum for photobiocatalysis. <i>Scientific Reports</i> , 2022, 12, .	3.3	10
18	A Biocatalytic Platform for the Synthesis of Enantiopure Propargylic Alcohols and Amines. <i>Organic Letters</i> , 2022, 24, 4252-4257.	4.6	9

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19	Heat-fueled enzymatic cascade for selective oxyfunctionalization of hydrocarbons. <i>Nature Communications</i> , 2022, 13, .	12.8	17
20	Differences in barriers for controlled learning about safety between biotechnology and chemistry. <i>Nature Communications</i> , 2022, 13, .	12.8	2
21	Continuous-flow CvFAP photodecarboxylation of palmitic acid under environmentally friendly conditions. <i>Molecular Catalysis</i> , 2022, 528, 112469.	2.0	7
22	Recent developments in the use of peroxygenases – Exploring their high potential in selective oxyfunctionalisations. <i>Biotechnology Advances</i> , 2021, 51, 107615.	11.7	101
23	Biocatalytic Reduction Reactions from a Chemist's Perspective. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5644-5665.	13.8	118
24	Biokatalytische Reduktionen aus der Sicht eines Chemikers. <i>Angewandte Chemie</i> , 2021, 133, 5706-5727.	2.0	12
25	Natural deep eutectic solvents as performance additives for biocatalysis. <i>Advances in Botanical Research</i> , 2021, , 95-132.	1.1	12
26	Asymmetric azidohydroxylation of styrene derivatives mediated by a biomimetic styrene monooxygenase enzymatic cascade. <i>Catalysis Science and Technology</i> , 2021, 11, 5077-5085.	4.1	14
27	An alginate-confined peroxygenase-CLEA for styrene epoxidation. <i>Chemical Communications</i> , 2021, 57, 5766-5769.	4.1	9
28	Intensification of Photobiocatalytic Decarboxylation of Fatty Acids for the Production of Biodiesel. <i>ChemSusChem</i> , 2021, 14, 1053-1056.	6.8	31
29	Biocatalytic Aromaticity-Breaking Epoxidation of Naphthalene and Nucleophilic Ring-Opening Reactions. <i>ACS Catalysis</i> , 2021, 11, 2644-2649.	11.2	14
30	Immobilization of the Peroxygenase from <i>Agrocybe aegerita</i> . The Effect of the Immobilization pH on the Features of an Ionically Exchanged Dimeric Peroxygenase. <i>Catalysts</i> , 2021, 11, 560.	3.5	12
31	Production of Bio-alkanes from Biomass and CO ₂ . <i>Trends in Biotechnology</i> , 2021, 39, 370-380.	9.3	37
32	Environmentally benign solid catalysts for sustainable biodiesel production: A critical review. <i>Science of the Total Environment</i> , 2021, 768, 144856.	8.0	87
33	Directed evolution of unspecific peroxygenase in organic solvents. <i>Biotechnology and Bioengineering</i> , 2021, 118, 3002-3014.	3.3	22
34	Pilot-Scale Production of Peroxygenase from <i>Agrocybe aegerita</i> . <i>Organic Process Research and Development</i> , 2021, 25, 1414-1418.	2.7	35
35	Safe-by-Design in Engineering: An Overview and Comparative Analysis of Engineering Disciplines. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 6329.	2.6	12
36	Stabilisation of the Fatty Acid Decarboxylase from <i>Chlorella variabilis</i> by Caprylic Acid. <i>ChemBioChem</i> , 2021, 22, 2420-2423.	2.6	28

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37	Optimization and Engineering of Fatty Acid Photodecarboxylase for Substrate Specificity. <i>ChemCatChem</i> , 2021, 13, 4038-4046.	3.7	13
38	Bacterial Outer Membrane Vesicles as Nano-Scale Bioreactors: A Fatty Acid Conversion Case Study. <i>ChemCatChem</i> , 2021, 13, 4080-4086.	3.7	9
39	Two (Chemo)-Enzymatic Cascades for the Production of Opposite Enantiomers of Chiral Azidoalcohols. <i>Catalysts</i> , 2021, 11, 982.	3.5	4
40	Novel oleate hydratases and potential biotechnological applications. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 6159-6172.	3.6	9
41	Aqueous chemoenzymatic one-pot enantioselective synthesis of tertiary β -aryl cycloketones <i>via</i> Pd-catalyzed C-C formation and enzymatic C=C asymmetric hydrogenation. <i>Green Chemistry</i> , 2021, 23, 1960-1964.	9.0	29
42	Protection strategies for biocatalytic proteins under plasma treatment. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 035204.	2.8	5
43	Choline Chloride-Based DES as Solvents/Catalysts/Chemical Donors in Pharmaceutical Synthesis. <i>Molecules</i> , 2021, 26, 6286.	3.8	26
44	Chemoenzymatic Halocyclization of β -Unsaturated Carboxylic Acids and Alcohols. <i>ChemSusChem</i> , 2020, 13, 97-101.	6.8	22
45	Photoenzymatic Production of Next Generation Biofuels from Natural Triglycerides Combining a Hydrolase and a Photodecarboxylase. <i>ChemPhotoChem</i> , 2020, 4, 39-44.	3.0	41
46	Photochemical regeneration of flavoenzymes – An Old Yellow Enzyme case-study. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020, 1868, 140303.	2.3	11
47	Metals in Biotechnology: Cr-Driven Stereoselective Reduction of Conjugated C=C Double Bonds. <i>ChemBioChem</i> , 2020, 21, 1112-1115.	2.6	3
48	Natural Deep Eutectic Solvents as Performance Additives for Peroxygenase Catalysis. <i>ChemCatChem</i> , 2020, 12, 989-994.	3.7	26
49	Chemoenzymatic Halocyclization of β -Unsaturated Carboxylic Acids and Alcohols. <i>ChemSusChem</i> , 2020, 13, 5-5.	6.8	5
50	Towards Preparative Chemoenzymatic Oxidative Decarboxylation of Glutamic Acid. <i>ChemCatChem</i> , 2020, 12, 2180-2183.	3.7	11
51	Flavoenzyme-mediated Regioselective Aromatic Hydroxylation with Coenzyme Biomimetics. <i>ChemCatChem</i> , 2020, 12, 1368-1375.	3.7	23
52	An Ultrasensitive Fluorescence Assay for the Detection of Halides and Enzymatic Dehalogenation. <i>ChemCatChem</i> , 2020, 12, 2032-2039.	3.7	9
53	Chemoenzymatic Halocyclization of 4-Pentenoic Acid at Preparative Scale. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 2602-2607.	6.7	14
54	H ₂ as a fuel for flavin- and H ₂ O ₂ -dependent biocatalytic reactions. <i>Chemical Communications</i> , 2020, 56, 9667-9670.	4.1	13

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55	Nuclear Waste and Biocatalysis: A Sustainable Liaison?. ACS Catalysis, 2020, 10, 14195-14200.	11.2	20
56	Microscale Atmospheric Pressure Plasma Jet as a Source for Plasma-Driven Biocatalysis. ChemCatChem, 2020, 12, 5893-5897.	3.7	11
57	Biocatalytic Oxidation of Alcohols. Catalysts, 2020, 10, 952.	3.5	32
58	Titelbild: Solar-Assisted eBiorefinery: Photoelectrochemical Pairing of Oxyfunctionalization and Hydrogenation Reactions (Angew. Chem. 37/2020). Angewandte Chemie, 2020, 132, 15897-15897.	2.0	0
59	Biocatalytic oxyfunctionalization of butane in a bubble-column reactor. Chemie-Ingenieur-Technik, 2020, 92, 1211-1211.	0.8	0
60	A Pioneering Career in Catalysis: Manfred T. Reetz. ACS Catalysis, 2020, 10, 15123-15139.	11.2	19
61	Evolved Peroxygenase-Aryl Alcohol Oxidase Fusions for Self-Sufficient Oxyfunctionalization Reactions. ACS Catalysis, 2020, 10, 13524-13534.	11.2	32
62	Enzymatic Oxidation of Butane to 2-Butanol in a Bubble Column. ChemCatChem, 2020, 12, 3666-3669.	3.7	13
63	Photobiocatalytic synthesis of chiral secondary fatty alcohols from renewable unsaturated fatty acids. Nature Communications, 2020, 11, 2258.	12.8	58
64	Solar-Assisted eBiorefinery: Photoelectrochemical Pairing of Oxyfunctionalization and Hydrogenation Reactions. Angewandte Chemie - International Edition, 2020, 59, 15886-15890.	13.8	26
65	Production of fatty alcohols from non-edible oils by enzymatic cascade reactions. Sustainable Energy and Fuels, 2020, 4, 4232-4237.	4.9	18
66	Solar-Assisted eBiorefinery: Photoelectrochemical Pairing of Oxyfunctionalization and Hydrogenation Reactions. Angewandte Chemie, 2020, 132, 16020-16024.	2.0	6
67	A Minimized Chemoenzymatic Cascade for Bacterial Luciferase in Bioreporter Applications. ChemBioChem, 2020, 21, 2073-2079.	2.6	10
68	Piezobiocatalysis: Ultrasound-Driven Enzymatic Oxyfunctionalization of C-H Bonds. ACS Catalysis, 2020, 10, 5236-5242.	11.2	50
69	Water-Soluble Anthraquinone Photocatalysts Enable Methanol-Driven Enzymatic Halogenation and Hydroxylation Reactions. ACS Catalysis, 2020, 10, 8277-8284.	11.2	41
70	Plasma-Driven in-Situ Production of Hydrogen Peroxide for Biocatalysis. ChemSusChem, 2020, 13, 2072-2079.	6.8	30
71	FOx News: Towards Methanol-Driven Biocatalytic Oxyfunctionalisation Reactions. ChemCatChem, 2020, 12, 2713-2716.	3.7	15
72	Enantioselective Sulfoxidation of Thioanisole by Cascading a Choline Oxidase and a Peroxygenase in the Presence of Natural Deep Eutectic Solvents. ChemPlusChem, 2020, 85, 254-257.	2.8	22

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73	Whole-Cell Photoenzymatic Cascades to Synthesize Long-Chain Aliphatic Amines and Esters from Renewable Fatty Acids. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7024-7028.	13.8	60
74	Whole-Cell Photoenzymatic Cascades to Synthesize Long-Chain Aliphatic Amines and Esters from Renewable Fatty Acids. <i>Angewandte Chemie</i> , 2020, 132, 7090-7094.	2.0	22
75	Selective Oxyfunctionalisation Reactions Driven by Sulfite Oxidase-Catalysed <i>In Situ</i> Generation of H ₂ O ₂ . <i>ChemCatChem</i> , 2020, 12, 3186-3189.	3.7	10
76	Solvent-Free Photobiocatalytic Hydroxylation of Cyclohexane. <i>ChemCatChem</i> , 2020, 12, 4009-4013.	3.7	39
77	“Clean” hydrolase reactions using commercial washing powder. <i>RSC Advances</i> , 2019, 9, 24039-24042.	3.6	0
78	Peroxygenase-Catalysed Epoxidation of Styrene Derivatives in Neat Reaction Media. <i>ChemCatChem</i> , 2019, 11, 4519-4523.	3.7	38
79	Cascading g-C ₃ N ₄ and Peroxygenases for Selective Oxyfunctionalization Reactions. <i>ACS Catalysis</i> , 2019, 9, 7409-7417.	11.2	64
80	Nicotinamide adenine dinucleotide as a photocatalyst. <i>Science Advances</i> , 2019, 5, eaax0501.	10.3	54
81	Surface-Doped Graphitic Carbon Nitride Catalyzed Photooxidation of Olefins and Dienes: Chemical Evidence for Electron Transfer and Singlet Oxygen Mechanisms. <i>Catalysts</i> , 2019, 9, 639.	3.5	7
82	P450BM3-Catalyzed Oxidations Employing Dual Functional Small Molecules. <i>Catalysts</i> , 2019, 9, 567.	3.5	10
83	Bias-Free In Situ H ₂ O ₂ Generation in a Photovoltaic-Photoelectrochemical Tandem Cell for Biocatalytic Oxyfunctionalization. <i>ACS Catalysis</i> , 2019, 9, 10562-10566.	11.2	40
84	Haloperoxidases as catalysts in organic synthesis. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 9267-9274.	2.8	43
85	H ₂ O ₂ Production at Low Overpotentials for Electroenzymatic Halogenation Reactions. <i>ChemSusChem</i> , 2019, 12, 4759-4763.	6.8	38
86	Synthesis of enantiomerically pure alcohols and amines <i>via</i> biocatalytic deracemisation methods. <i>Catalysis Science and Technology</i> , 2019, 9, 5487-5503.	4.1	43
87	Multi-Catalytic Route for the Synthesis of (S)-Tembamide. <i>Catalysts</i> , 2019, 9, 822.	3.5	2
88	Hydrocarbon Synthesis via Photoenzymatic Decarboxylation of Carboxylic Acids. <i>Journal of the American Chemical Society</i> , 2019, 141, 3116-3120.	13.7	123
89	Photoenzymatic epoxidation of styrenes. <i>Chemical Communications</i> , 2019, 55, 1790-1792.	4.1	23
90	Energising the E-factor: The E ⁺ -factor. <i>Tetrahedron</i> , 2019, 75, 1311-1314.	1.9	64

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91	Biocatalytically induced surface modification of the tobacco mosaic virus and the bacteriophage M13. <i>Chemical Communications</i> , 2019, 55, 51-54.	4.1	3
92	Bienzymatic Cascade for the Synthesis of an Optically Active O-benzoyl Cyanohydrin. <i>Catalysts</i> , 2019, 9, 522.	3.5	10
93	Hydrogen peroxide driven biocatalysis. <i>Green Chemistry</i> , 2019, 21, 3232-3249.	9.0	133
94	Photoenzymatic Hydroxylation of Ethylbenzene Catalyzed by Unspecific Peroxygenase: Origin of Enzyme Inactivation and the Impact of Light Intensity and Temperature. <i>ChemCatChem</i> , 2019, 11, 3093-3100.	3.7	31
95	An Efficient Strategy for the Production of Epoxidized Oils: Natural Deep Eutectic Solvent-Based Enzymatic Epoxidation. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2019, 96, 671-679.	1.9	5
96	Synthetic Biomimetic Coenzymes and Alcohol Dehydrogenases for Asymmetric Catalysis. <i>Catalysts</i> , 2019, 9, 207.	3.5	16
97	Light-Harvesting Dye-Alginate Hydrogel for Solar-Driven, Sustainable Biocatalysis of Asymmetric Hydrogenation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 5632-5637.	6.7	38
98	Synthesis of Vinyl Polymers via Enzymatic Oxidative Polymerisation. <i>Green Chemistry and Sustainable Technology</i> , 2019, , 343-356.	0.7	1
99	A Photo-Enzymatic Cascade to Transform Racemic Alcohols into Enantiomerically Pure Amines. <i>Catalysts</i> , 2019, 9, 305.	3.5	21
100	Formiat-Oxidase (FOx) aus <i>Aspergillus oryzae</i> : ein Katalysator für verschiedene H ₂ O ₂ -abhängige biokatalytische Oxidationen. <i>Angewandte Chemie</i> , 2019, 131, 7955-7959.	2.0	17
101	Formate Oxidase (FOx) from <i>Aspergillus oryzae</i> : One Catalyst Enables Diverse H ₂ O ₂ -Dependent Biocatalytic Oxidation Reactions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7873-7877.	13.8	67
102	Benchmarking of laboratory evolved unspecific peroxygenases for the synthesis of human drug metabolites. <i>Tetrahedron</i> , 2019, 75, 1827-1831.	1.9	34
103	Natural Deep Eutectic Solvents as Multifunctional Media for the Valorization of Agricultural Wastes. <i>ChemSusChem</i> , 2019, 12, 1310-1315.	6.8	37
104	How To Break the Janus Effect of H ₂ O ₂ in Biocatalysis? Understanding Inactivation Mechanisms To Generate more Robust Enzymes. <i>ACS Catalysis</i> , 2019, 9, 2916-2921.	11.2	18
105	Expanding the Spectrum of Light-Driven Peroxygenase Reactions. <i>ACS Catalysis</i> , 2019, 9, 890-894.	11.2	62
106	Combining Photo-Organic Redox and Enzyme Catalysis Facilitates Asymmetric C-H Bond Functionalization. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 80-84.	2.4	58
107	Efficient Aerobic Oxidation of <i>trans</i> -Hexenol using the Aryl Alcohol Oxidase from <i>Pleurotus eryngii</i> . <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 2668-2672.	4.3	23
108	Straightforward Regeneration of Reduced Flavin Adenine Dinucleotide Required for Enzymatic Tryptophan Halogenation. <i>ACS Catalysis</i> , 2019, 9, 1389-1395.	11.2	35

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109	Multienzymatic in situ hydrogen peroxide generation cascade for peroxygenase-catalysed oxyfunctionalisation reactions. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2019, 74, 101-104.	1.4	17
110	Selective Synthesis of the Human Drug Metabolite 5 α -Hydroxypropranolol by an Evolved Self-Sufficient Peroxygenase. <i>ACS Catalysis</i> , 2018, 8, 4789-4799.	11.2	70
111	Nonconventional regeneration of redox enzymes – a practical approach for organic synthesis?. <i>Chemical Communications</i> , 2018, 54, 7281-7289.	4.1	49
112	Biokatalytische Oxidationsreaktionen – aus der Sicht eines Chemikers. <i>Angewandte Chemie</i> , 2018, 130, 9380-9404.	2.0	106
113	Biocatalytic Oxidation Reactions: A Chemist's Perspective. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9238-9261.	13.8	342
114	Deazaflavins as photocatalysts for the direct reductive regeneration of flavoenzymes. <i>Molecular Catalysis</i> , 2018, 452, 277-283.	2.0	15
115	Carbon Nanotube–Graphitic Carbon Nitride Hybrid Films for Flavoenzyme-Catalyzed Photoelectrochemical Cells. <i>Advanced Functional Materials</i> , 2018, 28, 1705232.	14.9	64
116	Selective aerobic oxidation reactions using a combination of photocatalytic water oxidation and enzymatic oxyfunctionalizations. <i>Nature Catalysis</i> , 2018, 1, 55-62.	34.4	272
117	Biocatalytic synthesis of lactones and lactams. <i>Chemistry - an Asian Journal</i> , 2018, 13, 3601-3610.	3.3	34
118	Stereoselective Double Reduction of 3-Methyl-2-cyclohexenone, by Use of Palladium and Platinum Nanoparticles, in Tandem with Alcohol Dehydrogenase. <i>Nanomaterials</i> , 2018, 8, 853.	4.1	8
119	A Photoenzymatic NADH Regeneration System. <i>ChemBioChem</i> , 2018, 19, 2344-2347.	2.6	33
120	Biocatalytic C=C Bond Reduction through Carbon Nanodot-Sensitized Regeneration of NADH Analogues. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13825-13828.	13.8	87
121	Horse Liver Alcohol Dehydrogenase-Catalyzed Oxidative Lactamization of Amino Alcohols. <i>ACS Catalysis</i> , 2018, 8, 8680-8684.	11.2	35
122	Production and immobilization of lipase PCL and its application in synthesis of ω -linolenic acid-rich diacylglycerol. <i>Journal of Food Biochemistry</i> , 2018, 42, e12574.	2.9	17
123	Biocatalytic synthesis of the Green Note <i>trans</i> -2-hexenal in a continuous-flow microreactor. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 697-703.	2.2	34
124	Biocatalytic C=C Bond Reduction through Carbon Nanodot-Sensitized Regeneration of NADH Analogues. <i>Angewandte Chemie</i> , 2018, 130, 14021-14024.	2.0	20
125	Lichtgetriebene enzymatische Decarboxylierung von Fettsäuren. <i>Angewandte Chemie</i> , 2018, 130, 13836-13839.	2.0	21
126	Light-Driven Enzymatic Decarboxylation of Fatty Acids. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13648-13651.	13.8	133

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127	Photoelectrochemical Cells: Carbon Nanotubeâ€“Graphitic Carbon Nitride Hybrid Films for Flavoenzymeâ€“Catalyzed Photoelectrochemical Cells (Adv. Funct. Mater. 24/2018). Advanced Functional Materials, 2018, 28, 1870164.	14.9	1
128	Towards environmentally acceptable synthesis of chiral Î±-hydroxy ketones via oxidase-lyase cascades. Green Chemistry, 2017, 19, 1226-1229.	9.0	24
129	Photoelectroenzymatic Oxyfunctionalization on Flavin-Hybridized Carbon Nanotube Electrode Platform. ACS Catalysis, 2017, 7, 1563-1567.	11.2	55
130	Alcohol Dehydrogenases Catalyze the Reduction of Thioesters. ChemCatChem, 2017, 9, 1389-1392.	3.7	9
131	Chemoenzymatic epoxidation of alkenes with <i>Candida antarctica</i> lipase B and hydrogen peroxide in deep eutectic solvents. RSC Advances, 2017, 7, 12518-12523.	3.6	61
132	Changing the electron donor improves azoreductase dye degrading activity at neutral pH. Enzyme and Microbial Technology, 2017, 100, 17-19.	3.2	37
133	Selective Photooxidation Reactions using Waterâ€“Soluble Anthraquinone Photocatalysts. ChemCatChem, 2017, 9, 3821-3826.	3.7	59
134	Oxidoreductases on their way to industrial biotransformations. Biotechnology Advances, 2017, 35, 815-831.	11.7	205
135	Halofunctionalization of alkenes by vanadium chloroperoxidase from <i>Curvularia inaequalis</i> . Chemical Communications, 2017, 53, 6207-6210.	4.1	47
136	Nicotinamide Adenine Dinucleotideâ€“Dependent Redoxâ€“Neutral Convergent Cascade for Lactonizations with Type II Flavinâ€“Containing Monooxygenase. Advanced Synthesis and Catalysis, 2017, 359, 2142-2148.	4.3	27
137	Cofactorâ€“Free, Direct Photoactivation of Enoate Reductases for the Asymmetric Reduction of C=C Bonds. Angewandte Chemie, 2017, 129, 8807-8811.	2.0	29
138	Cofactorâ€“Free, Direct Photoactivation of Enoate Reductases for the Asymmetric Reduction of C=C Bonds. Angewandte Chemie - International Edition, 2017, 56, 8681-8685.	13.8	74
139	Characterization of the Old Yellow Enzyme Homolog from <i>Bacillus subtilis</i> (YqjM). ChemistrySelect, 2017, 2, 3866-3871.	1.5	23
140	Visible-light-driven photooxidation of alcohols using surface-doped graphitic carbon nitride. Green Chemistry, 2017, 19, 2096-2100.	9.0	49
141	Engineering a lipase B from <i>Candida antarctica</i> with efficient perhydrolysis performance by eliminating its hydrolase activity. Scientific Reports, 2017, 7, 44599.	3.3	18
142	Deep Eutectic Solvents Enable More Robust Chemoenzymatic Epoxidation Reactions. ChemCatChem, 2017, 9, 934-936.	3.7	39
143	Peroxygenases en route to becoming dream catalysts. What are the opportunities and challenges?. Current Opinion in Chemical Biology, 2017, 37, 1-9.	6.1	198
144	Selective Activation of Câ€“H Bonds in a Cascade Process Combining Photochemistry and Biocatalysis. Angewandte Chemie - International Edition, 2017, 56, 15451-15455.	13.8	108

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145	Selektive C=C-Bindungsaktivierung durch eine Kaskade aus Photochemie und Biokatalyse. <i>Angewandte Chemie</i> , 2017, 129, 15654-15658.	2.0	34
146	Deep eutectic solvents as performance additives in biphasic reactions. <i>RSC Advances</i> , 2017, 7, 40367-40370.	3.6	24
147	Photobiocatalytic alcohol oxidation using LED light sources. <i>Green Chemistry</i> , 2017, 19, 376-379.	9.0	44
148	Towards electroenzymatic processes involving old yellow enzymes and mediated cofactor regeneration. <i>Engineering in Life Sciences</i> , 2017, 17, 71-76.	3.6	13
149	Fueling biomass-degrading oxidative enzymes by light-driven water oxidation. <i>Green Chemistry</i> , 2016, 18, 5357-5366.	9.0	52
150	Peroxygenase-Catalyzed Oxyfunctionalization Reactions Promoted by the Complete Oxidation of Methanol. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 798-801.	13.8	128
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