Anna JoÃ«lle Ruff

List of Publications by Year
in descending order

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		759233	794594
26	377	12	19
papers	citations	h-index	g-index

26	26	26	500
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Directed Evolution of Pâ€‰450 BMâ€‰3 into a pâ€Xylene Hydroxylase. ChemCatChem, 2012, 4, 771-773.	3.7	40
2	An Enzymatic Route to Î±â€Tocopherol Synthons: Aromatic Hydroxylation of Pseudocumene and Mesitylene with P450 BM3. Chemistry - A European Journal, 2017, 23, 17981-17991.	3.3	28
3	Whole-cell double oxidation of n-heptane. Journal of Biotechnology, 2014, 191, 196-204.	3.8	26
4	Rapid and Robust Coating Method to Render Polydimethylsiloxane Surfaces Cell-Adhesive. ACS Applied Materials & Interfaces, 2019, 11, 41091-41099.	8.0	26
5	Engineered phytases for emerging biotechnological applications beyond animal feeding. Applied Microbiology and Biotechnology, 2019, 103, 6435-6448.	3.6	24
6	Phytase-Based Phosphorus Recovery Process for 20 Distinct Press Cakes. ACS Sustainable Chemistry and Engineering, 2020, 8, 3913-3921.	6.7	24
7	Mediated electron transfer with monooxygenasesâ€”Insight in interactions between reduced mediators and the co-substrate oxygen. Journal of Molecular Catalysis B: Enzymatic, 2014, 108, 51-58.	1.8	23
8	P-LinK: A method for generating multicomponent cytochrome P450 fusions with variable linker length. BioTechniques, 2014, 57, 13-20.	1.8	20
9	An engineered outer membrane pore enables an efficient oxygenation of aromatics and terpenes. Journal of Molecular Catalysis B: Enzymatic, 2016, 134, 285-294.	1.8	16
10	A hydroquinone-specific screening system for directed P450 evolution. Applied Microbiology and Biotechnology, 2018, 102, 9657-9667.	3.6	16
11	Directed Evolution of P450 BM3 towards Functionalization of Aromatic O-Heterocycles. International Journal of Molecular Sciences, 2019, 20, 3353.	4.1	14
12	Improved microscale cultivation of Pichia pastoris for clonal screening. Fungal Biology and Biotechnology, 2018, 5, 8.	5.1	12
13	A Comparative Reengineering Study of cpADH5 through Iterative and Simultaneous Multisite Saturation Mutagenesis. ChemBioChem, 2018, 19, 1563-1569.	2.6	11
14	A colourimetric high-throughput screening system for directed evolution of prodigiosin ligase PigC. Chemical Communications, 2020, 56, 8631-8634.	4.1	11
15	Understanding substrate binding and the role of gatekeeping residues in PigC access tunnels. Chemical Communications, 2021, 57, 2681-2684.	4.1	10
16	dRTP and dPTP a complementary nucleotide couple for the Sequence Saturation Mutagenesis (SeSaM) method. Journal of Molecular Catalysis B: Enzymatic, 2012, 84, 40-47.	1.8	9
17	A High-Throughput Screening Method to Reengineer DNA Polymerases for Random Mutagenesis. Molecular Biotechnology, 2014, 56, 274-283.	2.4	9
18	Whatâ€™s My Substrate? Computational Function Assignment of Candida parapsilosis ADH5 by Genome Database Search, Virtual Screening, and QM/MM Calculations. Journal of Chemical Information and Modeling, 2016, 56, 1313-1323.	5.4	9

#	Article	IF	Citations
19	KnowVolution of prodigiosin ligase PigC towards condensation of short-chain prodiginines. Catalysis Science and Technology, 2021, 11, 2805-2815.	4.1	9
20	Engineered P450 BM3 and cpADH5 coupled cascade reaction for Î²-oxo fatty acid methyl ester production in whole cells. Enzyme and Microbial Technology, 2020, 138, 109555.	3.2	8
21	OmniChange: Simultaneous Site Saturation of Up to Five Codons. Methods in Molecular Biology, 2014, 1179, 139-149.	0.9	8
22	A 96-multiplex capillary electrophoresis screening platform for product based evolution of P450 BM3. Scientific Reports, 2019, 9, 15479.	3.3	6
23	Conditioning of Feed Material Prior to Feeding: Approaches for a Sustainable Phosphorus Utilization. Sustainability, 2022, 14, 3998.	3.2	5
24	Evolution of E. coli Phytase Toward Improved Hydrolysis of Inositol Tetraphosphate. Frontiers in Chemical Engineering, 2022, 4, .	2.7	5
25	Generation of phytase chimeras with low sequence identities and improved thermal stability. Journal of Biotechnology, 2021, 339, 14-21.	3.8	4
26	Phytase blends for enhanced phosphorous mobilization of deoiled seeds. Enzyme and Microbial Technology, 2022, 153, 109953.	3.2	4