

# Anna JoÃ«lle Ruff

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

377  
citations

759233

12  
h-index

794594

19  
g-index

26  
all docs

26  
docs citations

26  
times ranked

500  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phytase blends for enhanced phosphorous mobilization of deoiled seeds. <i>Enzyme and Microbial Technology</i> , 2022, 153, 109953.	3.2	4
2	Conditioning of Feed Material Prior to Feeding: Approaches for a Sustainable Phosphorus Utilization. <i>Sustainability</i> , 2022, 14, 3998.	3.2	5
3	Evolution of <i>E. coli</i> Phytase Toward Improved Hydrolysis of Inositol Tetraphosphate. <i>Frontiers in Chemical Engineering</i> , 2022, 4, .	2.7	5
4	Understanding substrate binding and the role of gatekeeping residues in PigC access tunnels. <i>Chemical Communications</i> , 2021, 57, 2681-2684.	4.1	10
5	KnowVolution of prodigiosin ligase PigC towards condensation of short-chain prodiginines. <i>Catalysis Science and Technology</i> , 2021, 11, 2805-2815.	4.1	9
6	Generation of phytase chimeras with low sequence identities and improved thermal stability. <i>Journal of Biotechnology</i> , 2021, 339, 14-21.	3.8	4
7	A colourimetric high-throughput screening system for directed evolution of prodigiosin ligase PigC. <i>Chemical Communications</i> , 2020, 56, 8631-8634.	4.1	11
8	Phytase-Based Phosphorus Recovery Process for 20 Distinct Press Cakes. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3913-3921.	6.7	24
9	Engineered P450 BM3 and cpADH5 coupled cascade reaction for $\hat{1}^2$ -oxo fatty acid methyl ester production in whole cells. <i>Enzyme and Microbial Technology</i> , 2020, 138, 109555.	3.2	8
10	Directed Evolution of P450 BM3 towards Functionalization of Aromatic O-Heterocycles. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3353.	4.1	14
11	Engineered phytases for emerging biotechnological applications beyond animal feeding. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 6435-6448.	3.6	24
12	Rapid and Robust Coating Method to Render Polydimethylsiloxane Surfaces Cell-Adhesive. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 41091-41099.	8.0	26
13	A 96-multiplex capillary electrophoresis screening platform for product based evolution of P450 BM3. <i>Scientific Reports</i> , 2019, 9, 15479.	3.3	6
14	A Comparative Reengineering Study of cpADH5 through Iterative and Simultaneous Multisite Saturation Mutagenesis. <i>ChemBioChem</i> , 2018, 19, 1563-1569.	2.6	11
15	A hydroquinone-specific screening system for directed P450 evolution. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 9657-9667.	3.6	16
16	Improved microscale cultivation of <i>Pichia pastoris</i> for clonal screening. <i>Fungal Biology and Biotechnology</i> , 2018, 5, 8.	5.1	12
17	An Enzymatic Route to $\hat{1}$ -tocopherol Synthons: Aromatic Hydroxylation of Pseudocumene and Mesitylene with P450 BM3. <i>Chemistry - A European Journal</i> , 2017, 23, 17981-17991.	3.3	28
18	What's My Substrate? Computational Function Assignment of <i>Candida parapsilosis</i> ADH5 by Genome Database Search, Virtual Screening, and QM/MM Calculations. <i>Journal of Chemical Information and Modeling</i> , 2016, 56, 1313-1323.	5.4	9

#	ARTICLE	IF	CITATIONS
19	An engineered outer membrane pore enables an efficient oxygenation of aromatics and terpenes. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 134, 285-294.	1.8	16
20	A High-Throughput Screening Method to Reengineer DNA Polymerases for Random Mutagenesis. <i>Molecular Biotechnology</i> , 2014, 56, 274-283.	2.4	9
21	Mediated electron transfer with monooxygenasesâ€”Insight in interactions between reduced mediators and the co-substrate oxygen. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 108, 51-58.	1.8	23
22	Whole-cell double oxidation of n-heptane. <i>Journal of Biotechnology</i> , 2014, 191, 196-204.	3.8	26
23	P-Link: A method for generating multicomponent cytochrome P450 fusions with variable linker length. <i>BioTechniques</i> , 2014, 57, 13-20.	1.8	20
24	OmniChange: Simultaneous Site Saturation of Up to Five Codons. <i>Methods in Molecular Biology</i> , 2014, 1179, 139-149.	0.9	8
25	dRTP and dPTP a complementary nucleotide couple for the Sequence Saturation Mutagenesis (SeSaM) method. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 84, 40-47.	1.8	9
26	Directed Evolution of Pâ€”450 BMâ€”3 into a <i>p<i>â€”</i>Xylene Hydroxylase</i> . <i>ChemCatChem</i> , 2012, 4, 771-773.7		40