

# Anna K Ressmann

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

652  
citations

567281

15  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

928  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetically engineered proteins with two active sites for enhanced biocatalysis and synergistic chemo- and biocatalysis. <i>Nature Catalysis</i> , 2020, 3, 319-328.	34.4	90
2	Micellar catalysis in aqueous ionic liquid systems. <i>Chemical Communications</i> , 2012, 48, 5013.	4.1	79
3	From waste to value – direct utilization of limonene from orange peel in a biocatalytic cascade reaction towards chiral carvomenthone. <i>Green Chemistry</i> , 2017, 19, 367-371.	9.0	63
4	From plant to drug: ionic liquids for the reactive dissolution of biomass. <i>Green Chemistry</i> , 2011, 13, 1442.	9.0	58
5	New aspects for biomass processing with ionic liquids: towards the isolation of pharmaceutically active betulin. <i>Green Chemistry</i> , 2012, 14, 940.	9.0	57
6	Surface-active Ionic Liquids for Micellar Extraction of Piperine from Black Pepper. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2013, 68, 1129-1137.	0.7	46
7	Random Mutagenesis-Driven Improvement of Carboxylate Reductase Activity using an Amino Benzamidoxime-Mediated High-Throughput Assay. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 2544-2549.	4.3	31
8	Anti-inflammatory choline based ionic liquids: Insights into their lipophilicity, solubility and toxicity parameters. <i>Journal of Molecular Liquids</i> , 2017, 232, 20-26.	4.9	30
9	Manipulating the stereoselectivity of the thermostable Baeyer-Villiger monooxygenase TmCHMO by directed evolution. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 9824-9829.	2.8	30
10	Substrate-Independent High-Throughput Assay for the Quantification of Aldehydes. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 2538.	4.3	29
11	Nicotinamide Adenine Dinucleotide-Dependent Redox-Neutral Convergent Cascade for Lactonizations with Type II Flavin-Containing Monooxygenase. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2142-2148.	4.3	27
12	Direct extraction of genomic DNA from maize with aqueous ionic liquid buffer systems for applications in genetically modified organisms analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 7773-7784.	3.7	25
13	Kinetic Modeling of an Enzymatic Redox Cascade In Vivo Reveals Bottlenecks Caused by Cofactors. <i>ChemCatChem</i> , 2017, 9, 3420-3427.	3.7	23
14	Fast and efficient extraction of DNA from meat and meat derived products using aqueous ionic liquid buffer systems. <i>New Journal of Chemistry</i> , 2015, 39, 4994-5002.	2.8	20
15	Toward a benign strategy for the manufacturing of betulonic acid. <i>Green Chemistry</i> , 2017, 19, 1014-1022.	9.0	17
16	Automated evaluation of protein binding affinity of anti-inflammatory choline based ionic liquids. <i>Talanta</i> , 2016, 150, 20-26.	5.5	10
17	Design and synthesis of basic ionic liquids for the esterification of triterpenic acids. <i>Monatshefte für Chemie</i> , 2017, 148, 139-148.	1.8	10
18	Chemo-Enzymatic Cascade for the Generation of Fragrance Aldehydes. <i>Catalysts</i> , 2021, 11, 932.	3.5	5

#	ARTICLE	IF	CITATIONS
19	Leaching of Active Ingredients from Plants with Ionic Liquids. Green Chemistry and Sustainable Technology, 2016, , 135-165.	0.7	2