

# Susan Billig

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

570  
citations

933447  
10  
h-index

888059  
17  
g-index

18  
all docs

18  
docs citations

18  
times ranked

669  
citing authors

#	ARTICLE	IF	CITATIONS
1	Elucidation of the biosynthesis of the methane catalyst coenzyme F430. <i>Nature</i> , 2017, 543, 78-82.	27.8	104
2	Biochemical characterization of the cutinases from <i>Thermobifida fusca</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 63, 121-127.	1.8	78
3	Hydrolysis of cyclic poly(ethylene terephthalate) trimers by a carboxylesterase from <i>Thermobifida fusca</i> KW3. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 1753-1764.	3.6	77
4	Low Carbon Footprint Recycling of Post-Consumer PET Plastic with a Metagenomic Polyester Hydrolase. <i>ChemSusChem</i> , 2022, 15, .	6.8	70
5	High level expression of a hydrophobic poly(ethylene terephthalate)-hydrolyzing carboxylesterase from <i>Thermobifida fusca</i> KW3 in <i>Escherichia coli</i> BL21(DE3). <i>Journal of Biotechnology</i> , 2010, 146, 100-104.	3.8	61
6	Enzymes for the Biofunctionalization of Poly(Ethylene Terephthalate). <i>Advances in Biochemical Engineering/Biotechnology</i> , 2010, 125, 97-120.	1.1	58
7	A high-throughput assay for enzymatic polyester hydrolysis activity by fluorimetric detection. <i>Biotechnology Journal</i> , 2012, 7, 1517-1521.	3.5	49
8	The Radical SAM enzyme NirJ catalyzes the removal of two propionate side chains during heme biosynthesis. <i>FEBS Journal</i> , 2017, 284, 4314-4327.	4.7	17
9	Hydrolysis of Cutin by PET-Hydrolases. <i>Macromolecular Symposia</i> , 2010, 296, 342-346.	0.7	12
10	Composition of Intracellular and Cell Wall-Bound Phlorotannin Fractions in Furoid Algae Indicates Specific Functions of These Metabolites Dependent on the Chemical Structure. <i>Metabolites</i> , 2020, 10, 369.	2.9	12
11	Derivatization of Methylglyoxal for LC-ESI-MS Analysis—Stability and Relative Sensitivity of Different Derivatives. <i>Molecules</i> , 2018, 23, 2994.	3.8	10
12	Response in Ambient Low Temperature Plasma Ionization Compared to Electrospray and Atmospheric Pressure Chemical Ionization for Mass Spectrometry. <i>International Journal of Analytical Chemistry</i> , 2018, 2018, 1-18.	1.0	7
13	Surface acoustic wave nebulization improves compound selectivity of low-temperature plasma ionization for mass spectrometry. <i>Scientific Reports</i> , 2021, 11, 2948.	3.3	4
14	Bio-activation of simeprevir in liver microsomes and characterization of its glutathione conjugates by liquid chromatography coupled to ultrahigh-resolution quadrupole time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2021, 1645, 462095.	3.7	4
15	High-Throughput Fingerprinting of Rhizobial Free Fatty Acids by Chemical Thin-Film Deposition and Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>Methods and Protocols</i> , 2020, 3, 36.	2.0	3