

# Susan Billig

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

15  
papers

371  
citations

8  
h-index

18  
g-index

18  
ext. papers

463  
ext. citations

7.2  
avg. IF

3.22  
L-index

| #  | Paper   | IF   | Citations |
|----|---|------|-----------|
| 15 | Elucidation of the biosynthesis of the methane catalyst coenzyme F. <i>Nature</i> , <b>2017</b> , 543, 78-82  | 50.4 | 68        |
| 14 | Biochemical characterization of the cutinases from <i>Thermobifida fusca</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2010</b> , 63, 121-127   |      | 59        |
| 13 | 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> , <b>2010</b> , 146, 100-4                                      | 3.7  | 55        |
| 12 | Hydrolysis of cyclic poly(ethylene terephthalate) trimers by a carboxylesterase from <i>Thermobifida fusca</i> KW3. <i>Applied Microbiology and Biotechnology</i> , <b>2010</b> , 87, 1753-64   | 5.7  | 54        |
| 11 | Enzymes for the biofunctionalization of poly(ethylene terephthalate). <i>Advances in Biochemical Engineering/Biotechnology</i> , <b>2011</b> , 125, 97-120  | 1.7  | 42        |
| 10 | A high-throughput assay for enzymatic polyester hydrolysis activity by fluorimetric detection. <i>Biotechnology Journal</i> , <b>2012</b> , 7, 1517-21  | 5.6  | 37        |
| 9  | The Radical SAM enzyme NirJ catalyzes the removal of two propionate side chains during heme d biosynthesis. <i>FEBS Journal</i> , <b>2017</b> , 284, 4314-4327  | 5.7  | 14        |
| 8  | Hydrolysis of Cutin by PET-Hydrolases. <i>Macromolecular Symposia</i> , <b>2010</b> , 296, 342-346  | 0.8  | 12        |
| 7  | Low Carbon Footprint Recycling of Post-Consumer PET Plastic with a Metagenomic Polyester Hydrolase. <i>ChemSusChem</i> , <b>2021</b> ,  | 8.3  | 6         |
| 6  | 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> , <b>2018</b> , 2018, 5647536                                     | 1.4  | 6         |
| 5  | 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> , <b>2020</b> , 10,   | 5.6  | 5         |
| 4  | Derivatization of Methylglyoxal for LC-ESI-MS Analysis-Stability and Relative Sensitivity of Different Derivatives. <i>Molecules</i> , <b>2018</b> , 23,  | 4.8  | 5         |
| 3  | 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> , <b>2021</b> , 1645, 462095 | 4.5  | 3         |
| 2  | 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> , <b>2020</b> , 3,  | 2.5  | 1         |
| 1  | Surface acoustic wave nebulization improves compound selectivity of low-temperature plasma ionization for mass spectrometry. <i>Scientific Reports</i> , <b>2021</b> , 11, 2948   | 4.9  | 1         |