

# Bianca R Sculimbrene

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

901  
citations

840776

11  
h-index

888059

17  
g-index

21  
all docs

21  
docs citations

21  
times ranked

786  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Desymmetrization of Diols by Phosphorylation with a Titanium-BINOLate Catalyst. <i>Journal of Organic Chemistry</i> , 2021, 86, 7450-7459.  | 3.2  | 11        |
| 2  | Outer-Sphere Control for Divergent Multicatalysis with Common Catalytic Moieties. <i>Journal of Organic Chemistry</i> , 2019, 84, 1664-1672.  | 3.2  | 7         |
| 3  | Synthesis of $\hat{1}\pm$ -chiral- $\hat{1}^2, \hat{1}^3$ -unsaturated carboxylic acid derivatives using chiral auxiliaries. <i>Tetrahedron</i> , 2014, 70, 5463-5467.  | 1.9  | 9         |
| 4  | Selective phosphorylation of diols with a Lewis acid catalyst. <i>Tetrahedron Letters</i> , 2014, 55, 4203-4206.  | 1.4  | 8         |
| 5  | Catalytic Lewis acid phosphorylation with pyrophosphates. <i>Tetrahedron</i> , 2012, 68, 9023-9028.   | 1.9  | 21        |
| 6  | A Wet-Lab Approach to Stereochemistry Using $^{31}\text{P}$ NMR Spectroscopy. <i>Journal of Chemical Education</i> , 2011, 88, 662-664.   | 2.3  | 9         |
| 7  | Synthesis of a d-Ala-d-Ala peptide isostere via olefin cross-metathesis and evaluation of vancomycin binding. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 4382-4385.  | 2.2  | 3         |
| 8  | Efficient catalyst turnover in the phosphitylation of alcohols with phosphoramidites. <i>Tetrahedron Letters</i> , 2009, 50, 975-978.   | 1.4  | 20        |
| 9  | Lanthanide-Binding Tags with Unnatural Amino Acids: Sensitizing $\text{Tb}^{3+}$ and $\text{Eu}^{3+}$ Luminescence at Longer Wavelengths. <i>Bioconjugate Chemistry</i> , 2008, 19, 588-591.  | 3.6  | 52        |
| 10 | Lanthanide-Binding Tags as Luminescent Probes for Studying Protein Interactions. <i>Journal of the American Chemical Society</i> , 2006, 128, 7346-7352.  | 13.7 | 124       |
| 11 | Streamlined Synthesis of Phosphatidylinositol (PI), PI3P, PI3,5P2, and Deoxygenated Analogues as Potential Biological Probes. <i>Journal of Organic Chemistry</i> , 2006, 71, 4919-4928.  | 3.2  | 47        |
| 12 | Desymmetrization of Glycerol Derivatives with Peptide-Based Acylation Catalysts. <i>Organic Letters</i> , 2005, 7, 3021-3023.   | 4.6  | 96        |
| 13 | Asymmetric Syntheses of Phosphatidylinositol-3-Phosphates with Saturated and Unsaturated Side Chains through Catalytic Asymmetric Phosphorylation. <i>Journal of the American Chemical Society</i> , 2004, 126, 13182-13183.                                  | 13.7 | 59        |
| 14 | Nonenzymatic peptide-based catalytic asymmetric phosphorylation of inositol derivatives. <i>Chemical Communications</i> , 2003, , 1781.   | 4.1  | 75        |
| 15 | Enantiodivergence in Small-Molecule Catalysis of Asymmetric Phosphorylation: Concise Total Syntheses of the Enantiomeric d-myo-Inositol-1-phosphate and d-myo-Inositol-3-phosphate. <i>Journal of the American Chemical Society</i> , 2002, 124, 11653-11656. | 13.7 | 157       |
| 16 | Discovery of a Catalytic Asymmetric Phosphorylation through Selection of a Minimal Kinase Mimic: A Concise Total Synthesis of d-myo-Inositol-1-Phosphate. <i>Journal of the American Chemical Society</i> , 2001, 123, 10125-10126.                           | 13.7 | 188       |
| 17 | Silatranyl-nucleosides: transition state analogues for phosphoryl transfer reactions. <i>Tetrahedron Letters</i> , 2001, 42, 4979-4982.   | 1.4  | 15        |