

Bianca R Sculimbrene

List of Publications by Year in descending order

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17
papers

901
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840776

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docs citations

21
times ranked

786
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Desymmetrization of Glycerol Derivatives with Peptide-Based Acylation Catalysts. <i>Organic Letters</i> , 2005, 7, 3021-3023.	4.6	96
5	Nonenzymatic peptide-based catalytic asymmetric phosphorylation of inositol derivatives. <i>Chemical Communications</i> , 2003, , 1781.	4.1	75
6	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
7	Lanthanide-Binding Tags with Unnatural Amino Acids: Sensitizing Tb ³⁺ and Eu ³⁺ Luminescence at Longer Wavelengths. <i>Bioconjugate Chemistry</i> , 2008, 19, 588-591.	3.6	52
8	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
9	Catalytic Lewis acid phosphorylation with pyrophosphates. <i>Tetrahedron</i> , 2012, 68, 9023-9028.	1.9	21
10	Efficient catalyst turnover in the phosphorylation of alcohols with phosphoramidites. <i>Tetrahedron Letters</i> , 2009, 50, 975-978.	1.4	20
11	Silatranyl-nucleosides: transition state analogues for phosphoryl transfer reactions. <i>Tetrahedron Letters</i> , 2001, 42, 4979-4982.	1.4	15
12	Desymmetrization of Diols by Phosphorylation with a Titanium-BINOLate Catalyst. <i>Journal of Organic Chemistry</i> , 2021, 86, 7450-7459.	3.2	11
13	A Wet-Lab Approach to Stereochemistry Using ³¹ P NMR Spectroscopy. <i>Journal of Chemical Education</i> , 2011, 88, 662-664.	2.3	9
14	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
15	Selective phosphorylation of diols with a Lewis acid catalyst. <i>Tetrahedron Letters</i> , 2014, 55, 4203-4206.	1.4	8
16	Outer-Sphere Control for Divergent Multicatalysis with Common Catalytic Moieties. <i>Journal of Organic Chemistry</i> , 2019, 84, 1664-1672.	3.2	7
17	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