Bradford Sullivan

List of Publications by Year
in descending order

21 papers	604 citations	516710 16 h-index	713466 21 g-index
22 all docs	22 docs citations	22 times ranked	680 citing authors

#	Article	IF	Citations
1	Synthesis and Characterization of Micelle-Forming PEG-Poly(Amino Acid) Copolymers with Iron-Hydroxamate Cross-Linkable Blocks for Encapsulation and Release of Hydrophobic Drugs. Biomacromolecules, 2017, 18, 1874-1884.	5.4	32
2	Large-scale synthesis of Î±-amino acid-<i>N</i>-carboxyanhydrides. Synthetic Communications, 2017, 47, 53-61.	2.1	18
3	Imaging the delivery of drug-loaded, iron-stabilized micelles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 1353-1362.	3.3	16
4	Stabilized Polymer Micelles for the Development of IT-147, an Epothilone D Drug-Loaded Formulation. Journal of Drug Delivery, 2016, 2016, 1-12.	2.5	6
5	Synthesis and facile endâ€group quantification of functionalized PEG azides. Journal of Polymer Science Part A, 2016, 54, 2888-2895.	2.3	19
6	Synthesis of heterobifunctional polyethylene glycols: Polymerization from functional initiators. Polymer, 2016, 105, 72-78.	3.8	16
7	Enhancing the heat stability and kinetic parameters of the maize endosperm ADP-glucose pyrophosphorylase using iterative saturation mutagenesis. Archives of Biochemistry and Biophysics, 2015, 568, 28-37.	3.0	18
8	Residues Controlling Facial Selectivity in an Alkene Reductase and Semirational Alterations to Create Stereocomplementary Variants. ACS Catalysis, 2014, 4, 2307-2318.	11.2	36
9	Pichia stipitis OYE 2.6 variants with improved catalytic efficiencies from site-saturation mutagenesis libraries. Bioorganic and Medicinal Chemistry, 2014, 22, 5628-5632.	3.0	11
10	Library construction and evaluation for site saturation mutagenesis. Enzyme and Microbial Technology, 2013, 53, 70-77.	3.2	33
11	X-ray Crystallography Reveals How Subtle Changes Control the Orientation of Substrate Binding in an Alkene Reductase. ACS Catalysis, 2013, 3, 2376-2390.	11.2	43
12	Structural and Catalytic Characterization of <i>Pichia stipitis</i> OYE 2.6, a Useful Biocatalyst for Asymmetric Alkene Reductions. Advanced Synthesis and Catalysis, 2012, 354, 1949-1960.	4.3	31
13	Several Generations of Chemoenzymatic Synthesis of Oseltamivir (Tamiflu): Evolution of Strategy, Quest for a Process-Quality Synthesis, and Evaluation of Efficiency Metrics. Journal of Organic Chemistry, 2011, 76, 10050-10067.	3.2	54
14	Biocatalytic Reductions of Baylisâ€“Hillman Adducts. ACS Catalysis, 2011, 1, 989-993.	11.2	47
15	New Options for the Reactivity of the Burgess Reagent with Epoxides in Both Racemic and Chiral Auxiliary Modes â€“ Structural and Mechanistic Revisions, Computational Studies, and Application to Synthesis. European Journal of Organic Chemistry, 2009, 2009, 2806-2819.	2.4	11
16	Symmetryâ€Based Design for the Chemoenzymatic Synthesis of Oseltamivir (Tamiflu) from Ethyl Benzoate. Angewandte Chemie - International Edition, 2009, 48, 4229-4231.	13.8	85
17	Formal total synthesis of (â€“)- and (+)-balanol: two complementary enantiodivergent routes from vinyloxiranes and vinylaziridines. Tetrahedron, 2009, 65, 212-220.	1.9	33
18	Investigation of steric and functionality limits in the enzymatic dihydroxylation of benzoate esters. Versatile intermediates for the synthesis of pseudo-sugars, amino cyclitols, and bicyclic ring systems. Organic and Biomolecular Chemistry, 2009, 7, 2619.	2.8	36

#	Article	IF	Citations
19	Chemoenzymatic formal synthesis of (âˆ’)-balanol. Provision of optical data for an often-reported intermediate. Tetrahedron Letters, 2008, 49, 5211-5213.	1.4	21
20	Chiral Version of the Burgess Reagent and Its Reactions with Oxiranes: Application to the Formal Enantiodivergent Synthesis of Balanol. Journal of Natural Products, 2008, 71, 346-350.	3.0	17
21	Chiral Version of the Burgess Reagent and its Reactions with Epoxides. Synlett, 2006, 2006, 0445-0449.	1.8	0