Lishan Zhao

List of Publications by Year
in descending order

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18	1,357	471509 17	794594 19
papers	citations	h-index	g-index

22	22	22	1311
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Engineering a functional 1-deoxy-D-xylulose 5-phosphate (DXP) pathway in Saccharomyces cerevisiae. Metabolic Engineering, 2016, 38, 494-503.	7.0	46
2	Methylerythritol Phosphate Pathway of Isoprenoid Biosynthesis. Annual Review of Biochemistry, 2013, 82, 497-530.	11.1	248
3	Recent applications of biocatalysis in developing green chemistry for chemical synthesis at the industrial scale. Green Chemistry, 2008, 10, 361-372.	9.0	203
4	Recent Advances in Developing Chemoenzymatic Processes for Active Pharmaceutical Ingredients. Organic Process Research and Development, 2007, 11, 259-267.	2.7	61
5	Biosynthesis of TDP-D-Desosamine: Identification of a Strategy for C4 Deoxygenation. Angewandte Chemie - International Edition, 2005, 44, 6742-6746.	13.8	57
6	Epoxide Hydrolase-Catalyzed Enantioselective Synthesis of Chiral 1,2-Diols via Desymmetrization of meso-Epoxides.. ChemInform, 2005, 36, no.	0.0	0
7	Characterization of the Glycosyltransferase Activity of DesVII:Â Analysis of and Implications for the Biosynthesis of Macrolide Antibiotics. Journal of the American Chemical Society, 2004, 126, 6534-6535.	13.7	87
8	Epoxide Hydrolase-Catalyzed Enantioselective Synthesis of Chiral 1,2-Diols via Desymmetrization ofmeso-Epoxides. Journal of the American Chemical Society, 2004, 126, 11156-11157.	13.7	88
9	Î²-Glucosylation as a Part of Self-Resistance Mechanism in Methymycin/Pikromycin Producing Strain Streptomyces venezuelae. Biochemistry, 2003, 42, 14794-14804.	2.5	36
10	Expression, Purification, and Characterization of Two N,N-Dimethyltransferases, TylM1 and DesVI, Involved in the Biosynthesis of Mycaminose and Desosamine. Biochemistry, 2002, 41, 9165-9183.	2.5	48
11	Study of C-4 Deoxygenation in the Biosynthesis of Desosamine:â€‰ Evidence Implicating a Novel Mechanism. Journal of the American Chemical Society, 2001, 123, 7909-7910.	13.7	63
12	DesVI: A New Member of the SugarN,N-Dimethyltransferase Family Involved in the Biosynthesis of Desosamine. Angewandte Chemie - International Edition, 2000, 39, 2160-2163.	13.8	32
13	Engineering a Hybrid Sugar Biosynthetic Pathway:â€‰ Production of <scp>l</scp>-Rhamnose and Its Implication on Dihydrostreptose Biosynthesis. Journal of the American Chemical Society, 2000, 122, 12397-12398.	13.7	46
14	Biosynthesis of Desosamine:â€‰ Construction of a New Macrolide Carrying a Genetically Designed Sugar Moiety. Organic Letters, 1999, 1, 133-136.	4.6	89
15	Engineering a Methymycin/Pikromycinâ”Calicheamicin Hybrid:â€‰ Construction of Two New Macrolides Carrying a Designed Sugar Moiety. Journal of the American Chemical Society, 1999, 121, 9881-9882.	13.7	80
16	Biosynthesis of Desosamine:â€‰ Construction of a New Methymycin/Neomethymycin Analogue by Deletion of a Desosamine Biosynthetic Gene. Journal of the American Chemical Society, 1998, 120, 10256-10257.	13.7	71
17	Mechanistic Studies of Desosamine Biosynthesis:Â C-4 Deoxygenation Precedes C-3 Transamination. Journal of the American Chemical Society, 1998, 120, 12159-12160.	13.7	54
18	Biosynthesis of Desosamine:â€‰ Molecular Evidence Suggesting Î²-Glucosylation as a Self-Resistance Mechanism in Methymycin/Neomethymycin Producing Strain, Streptomyces venezuelae. Journal of the American Chemical Society, 1998, 120, 9374-9375.	13.7	29