

Takaaki Taguchi

List of Publications by Year in descending order

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10
papers

269
citations

1307594

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1372567

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docs citations

11
times ranked

328
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosynthesis of Actinorhodin and Related Antibiotics: Discovery of Alternative Routes for Quinone Formation Encoded in the act Gene Cluster. <i>Chemistry and Biology</i> , 2009, 16, 226-236.	6.0	88
2	Biosynthetic Conclusions from the Functional Dissection of Oxygenases for Biosynthesis of Actinorhodin and Related Streptomyces Antibiotics. <i>Chemistry and Biology</i> , 2013, 20, 510-520.	6.0	45
3	Identification of the actinorhodin monomer and its related compound from a deletion mutant of the actVA-ORF4 gene of <i>Streptomyces coelicolor</i> A3(2). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 5041-5045.	2.2	39
4	A New Mode of Stereochemical Control Revealed by Analysis of the Biosynthesis of Dihydrogranaticin in <i>Streptomyces violaceoruber</i> TÅ¼22. <i>Journal of the American Chemical Society</i> , 2001, 123, 11376-11380.	13.7	31
5	Bifunctionality of ActIV as a Cyclaseâ€”Thioesterase Revealed by in Vitro Reconstitution of Actinorhodin Biosynthesis in <i>Streptomyces coelicolor</i> A3(2). <i>ChemBioChem</i> , 2017, 18, 316-323.	2.6	30
6	Unveiling Two Consecutive Hydroxylations: Mechanisms of Aromatic Hydroxylations Catalyzed by Flavinâ€”Dependent Monooxygenases for the Biosynthesis of Actinorhodin and Related Antibiotics. <i>ChemBioChem</i> , 2020, 21, 623-627.	2.6	12
7	Actinoperylone, a novel perylenequinone-type shunt product, from a deletion mutant of the actVA-ORF5 and ORF6 genes for actinorhodin biosynthesis in <i>Streptomyces coelicolor</i> A3(2). <i>Tetrahedron Letters</i> , 2008, 49, 1208-1211.	1.4	11
8	Identification of a C-Glycosyltransferase Involved in Medermycin Biosynthesis. <i>ACS Chemical Biology</i> , 2021, 16, 1059-1069.	3.4	7
9	Total Synthesis of 6-Deoxydihydrokalafungin, a Key Biosynthetic Precursor of Actinorhodin, and Its Epimer. <i>Molecules</i> , 2021, 26, 6397.	3.8	3
10	Characterization of stereospecific enoyl reductase ActVI-ORF2 for pyran ring formation in the actinorhodin biosynthesis of <i>Streptomyces coelicolor</i> A3(2). <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022, 66, 128727.	2.2	3