

Jonathan Kennedy

List of Publications by Year in descending order

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43
papers

2,751
citations

218677

26
h-index

302126

39
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docs citations

46
times ranked

3134
citing authors

#	ARTICLE	IF	CITATIONS
1	Lovastatin Nonaketide Synthase Catalyzes an Intramolecular Diels-Alder Reaction of a Substrate Analogue. <i>Journal of the American Chemical Society</i> , 2000, 122, 11519-11520.	13.7	226
2	Marine metagenomics: strategies for the discovery of novel enzymes with biotechnological applications from marine environments. <i>Microbial Cell Factories</i> , 2008, 7, 27.	4.0	198
3	Isolation and Analysis of Bacteria with Antimicrobial Activities from the Marine Sponge <i>Haliclona simulans</i> Collected from Irish Waters. <i>Marine Biotechnology</i> , 2009, 11, 384-396.	2.4	168
4	Targeted covalent inactivation of protein kinases by resorcylic acid lactone polyketides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 4234-4239.	7.1	163
5	Marine Metagenomics: New Tools for the Study and Exploitation of Marine Microbial Metabolism. <i>Marine Drugs</i> , 2010, 8, 608-628.	4.6	152
6	Production of the antitumor drug epirubicin (4'-epidoxorubicin) and its precursor by a genetically engineered strain of <i>Streptomyces peucetius</i> . <i>Nature Biotechnology</i> , 1998, 16, 69-74.	17.5	147
7	Heterologous Production of Epothilone C and D in <i>Escherichia coli</i> . <i>Biochemistry</i> , 2006, 45, 1321-1330.	2.5	147
8	Mutasynthesis, chemobiosynthesis, and back to semi-synthesis: combining synthetic chemistry and biosynthetic engineering for diversifying natural products. <i>Natural Product Reports</i> , 2008, 25, 25-34.	10.3	122
9	Metabolic engineering of <i>Escherichia coli</i> for improved 6-deoxyerythronolide B production. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2003, 30, 500-509.	3.0	118
10	Metagenomic approaches to exploit the biotechnological potential of the microbial consortia of marine sponges. <i>Applied Microbiology and Biotechnology</i> , 2007, 75, 11-20.	3.6	110
11	Diversity of microbes associated with the marine sponge, <i>Haliclona simulans</i> , isolated from Irish waters and identification of polyketide synthase genes from the sponge metagenome. <i>Environmental Microbiology</i> , 2008, 10, 1888-1902.	3.8	93
12	Aspects of the biosynthesis of non-aromatic fungal polyketides by iterative polyketide synthases. <i>Antonie Van Leeuwenhoek</i> , 2000, 78, 287-295.	1.7	89
13	Diverse and Abundant Secondary Metabolism Biosynthetic Gene Clusters in the Genomes of Marine Sponge Derived <i>Streptomyces</i> spp. Isolates. <i>Marine Drugs</i> , 2018, 16, 67.	4.6	81
14	Evidence of a Putative Deep Sea Specific Microbiome in Marine Sponges. <i>PLoS ONE</i> , 2014, 9, e91092.	2.5	79
15	Isolation identification and biochemical characterization of a novel halo-tolerant lipase from the metagenome of the marine sponge <i>Haliclona simulans</i> . <i>Microbial Cell Factories</i> , 2012, 11, 72.	4.0	76
16	Phylogenetic Diversity and Antimicrobial Activities of Fungi Associated with <i>Haliclona simulans</i> Isolated from Irish Coastal Waters. <i>Marine Biotechnology</i> , 2009, 11, 540-547.	2.4	72
17	Archaea Appear to Dominate the Microbiome of <i>Inflatella pellicula</i> Deep Sea Sponges. <i>PLoS ONE</i> , 2013, 8, e84438.	2.5	69
18	Pyrosequencing Reveals Diverse and Distinct Sponge-Specific Microbial Communities in Sponges from a Single Geographical Location in Irish Waters. <i>Microbial Ecology</i> , 2012, 64, 105-116.	2.8	67

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19	A halotolerant thermostable lipase from the marine bacterium <i>Oceanobacillus</i> sp. PUMB02 with an ability to disrupt bacterial biofilms. <i>Bioengineered</i> , 2014, 5, 305-318.	3.2	55
20	Metabolomic Profiling and Genomic Study of a Marine Sponge-Associated <i>Streptomyces</i> sp.. <i>Marine Drugs</i> , 2014, 12, 3323-3351.	4.6	48
21	Transformations of cyclic nonaketides by <i>Aspergillus terreus</i> mutants blocked for lovastatin biosynthesis at the <i>lovA</i> and <i>lovC</i> genes. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 50-59.	2.8	44
22	Redesign, synthesis and functional expression of the 6-deoxyerythronolide B polyketide synthase gene cluster. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2006, 33, 22-28.	3.0	43
23	<i>Maribacter spongiicola</i> sp. nov. and <i>Maribacter vacoletii</i> sp. nov., isolated from marine sponges, and emended description of the genus <i>Maribacter</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 2097-2103.	1.7	42
24	Conversion of cyclic nonaketides to lovastatin and compactin by a <i>lovC</i> deficient mutant of <i>Aspergillus terreus</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 1527-1531.	2.2	39
25	Isolation and Identification of Antitrypanosomal and Antimycobacterial Active Steroids from the Sponge <i>Haliclona simulans</i> . <i>Marine Drugs</i> , 2014, 12, 2937-2952.	4.6	30
26	<i>Aquimarina amphilecti</i> sp. nov., isolated from the sponge <i>Amphilectus fucorum</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 501-505.	1.7	28
27	<i>Pseudovibrio axinellae</i> sp. nov., isolated from an Irish marine sponge. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 141-145.	1.7	27
28	Chemobiosynthesis of Novel 6-Deoxyerythronolide B Analogues by Mutation of the Loading Module of 6-Deoxyerythronolide B Synthase 1. <i>Applied and Environmental Microbiology</i> , 2005, 71, 4503-4509.	3.1	25
29	Biochemical Characterization of a Novel Monospecific Endo- β -1,4-Glucanase Belonging to GH Family 5 From a Rhizosphere Metagenomic Library. <i>Frontiers in Microbiology</i> , 2019, 10, 1342.	3.5	25
30	Thioesterase domain of β -(L- α -aminoadipyl)-L-cysteinyl-d-valine synthetase: alteration of stereospecificity by site-directed mutagenesis. <i>Journal of Molecular Biology</i> , 2000, 297, 395-408.	4.2	24
31	6-Deoxyerythronolide B Analogue Production in <i>Escherichia coli</i> through Metabolic Pathway Engineering. <i>Biochemistry</i> , 2003, 42, 14342-14348.	2.5	23
32	Nurturing nature: engineering new antibiotics. <i>Nature Biotechnology</i> , 1999, 17, 538-539.	17.5	19
33	Precursor-Directed Biosynthesis of Novel Triketide Lactones. <i>Biotechnology Progress</i> , 2008, 20, 122-127.	2.6	19
34	Evidence of bacteriophage-mediated horizontal transfer of bacterial 16S rRNA genes in the viral metagenome of the marine sponge <i>Hymeniacidon perlevis</i> . <i>Microbiology (United Kingdom)</i> , 2012, 158, 2789-2795.	1.8	19
35	Draft Genome Sequence of the Antimycin-Producing Bacterium <i>Streptomyces</i> sp. Strain SM8, Isolated from the Marine Sponge <i>Haliclona simulans</i> . <i>Genome Announcements</i> , 2018, 6, .	0.8	18
36	Inhibition of the growth of <i>Bacillus subtilis</i> DSM10 by a newly discovered antibacterial protein from the soil metagenome. <i>Bioengineered</i> , 2015, 6, 89-98.	3.2	15

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37	ACV Synthetase: Expression of Amino Acid Activating Domains of the <i>Penicillium chrysogenum</i> Enzyme in <i>Aspergillus nidulans</i> . <i>Biochemical and Biophysical Research Communications</i> , 1997, 237, 166-169.	2.1	11
38	A high-throughput screen to identify novel calcineurin inhibitors. <i>Journal of Microbiological Methods</i> , 2012, 88, 63-66.	1.6	6
39	Marine Sponges – <i>Molecular Biology and Biotechnology</i> . , 2015, , 219-254.		5
40	Tools for metabolic engineering in <i>Escherichia coli</i> : inactivation of <i>panD</i> by a point mutation. <i>Analytical Biochemistry</i> , 2004, 327, 91-96.	2.4	4
41	Metagenomic strategies for the discovery of novel enzymes with biotechnological application from marine ecosystems. , 2013, , 109-130.		3
42	Novel Polyketides from Genetic Engineering (... and Lessons We Have Learned from Making Them). <i>ACS Symposium Series</i> , 2007, , 200-216.	0.5	0
43	Marine Invertebrate Animal Metagenomics: <i>Porifera</i> . , 2013, , 1-6.		0