

Jon Clardy

List of Publications by Year in descending order

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63
papers

18,620
citations

47006

47
h-index

114465

63
g-index

66
all docs

66
docs citations

66
times ranked

20329
citing authors

#	ARTICLE	IF	CITATIONS
1	Ribosomally synthesized and post-translationally modified peptide natural products: overview and recommendations for a universal nomenclature. <i>Natural Product Reports</i> , 2013, 30, 108-160.	10.3	1,692
2	Molecular biological access to the chemistry of unknown soil microbes: a new frontier for natural products. <i>Chemistry and Biology</i> , 1998, 5, R245-R249.	6.0	1,471
3	Atomic Structures of the Human Immunophilin FKBP-12 Complexes with FK506 and Rapamycin. <i>Journal of Molecular Biology</i> , 1993, 229, 105-124.	4.2	1,158
4	Cloning the Soil Metagenome: a Strategy for Accessing the Genetic and Functional Diversity of Uncultured Microorganisms. <i>Applied and Environmental Microbiology</i> , 2000, 66, 2541-2547.	3.1	1,076
5	Lessons from natural molecules. <i>Nature</i> , 2004, 432, 829-837.	27.8	972
6	Insights into Secondary Metabolism from a Global Analysis of Prokaryotic Biosynthetic Gene Clusters. <i>Cell</i> , 2014, 158, 412-421.	28.9	801
7	Okadaic acid, a cytotoxic polyether from two marine sponges of the genus <i>Halichondria</i> . <i>Journal of the American Chemical Society</i> , 1981, 103, 2469-2471.	13.7	775
8	<scpd>/scpd> -Amino Acids Trigger Biofilm Disassembly. <i>Science</i> , 2010, 328, 627-629.	12.6	736
9	Minimum Information about a Biosynthetic Gene cluster. <i>Nature Chemical Biology</i> , 2015, 11, 625-631.	8.0	715
10	Target identification using drug affinity responsive target stability (DARTS). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 21984-21989.	7.1	710
11	A Systematic Analysis of Biosynthetic Gene Clusters in the Human Microbiome Reveals a Common Family of Antibiotics. <i>Cell</i> , 2014, 158, 1402-1414.	28.9	573
12	Gene expression signature-based chemical genomic prediction identifies a novel class of HSP90 pathway modulators. <i>Cancer Cell</i> , 2006, 10, 321-330.	16.8	557
13	Isolation and structure of brevetoxin B from the "red tide" dinoflagellate <i>Ptychodiscus brevis</i> (<i>Gymnodinium breve</i>). <i>Journal of the American Chemical Society</i> , 1981, 103, 6773-6775.	13.7	531
14	D-Amino Acids Govern Stationary Phase Cell Wall Remodeling in Bacteria. <i>Science</i> , 2009, 325, 1552-1555.	12.6	519
15	New antibiotics from bacterial natural products. <i>Nature Biotechnology</i> , 2006, 24, 1541-1550.	17.5	513
16	Crystal and molecular structure of dynemicin A: a novel 1,5-diyne-3-ene antitumor antibiotic. <i>Journal of the American Chemical Society</i> , 1990, 112, 3715-3716.	13.7	440
17	Isolation of Antibiotics Turbomycin A and B from a Metagenomic Library of Soil Microbial DNA. <i>Applied and Environmental Microbiology</i> , 2002, 68, 4301-4306.	3.1	435
18	Structure of Human Methionine Aminopeptidase-2 Complexed with Fumagillin. , 1998, 282, 1324-1327.		389

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19	Lassomycin, a Ribosomally Synthesized Cyclic Peptide, Kills Mycobacterium tuberculosis by Targeting the ATP-Dependent Protease ClpC1P1P2. <i>Chemistry and Biology</i> , 2014, 21, 509-518.	6.0	344
20	The evolution of gene collectives: How natural selection drives chemical innovation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4601-4608.	7.1	240
21	Structure of the large FK506-binding protein FKBP51, an Hsp90-binding protein and a component of steroid receptor complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 868-873.	7.1	227
22	The natural history of antibiotics. <i>Current Biology</i> , 2009, 19, R437-R441.	3.9	222
23	Thirteen posttranslational modifications convert a 14-residue peptide into the antibiotic thiocillin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 2549-2553.	7.1	204
24	Cloning and Heterologous Expression of a Natural Product Biosynthetic Gene Cluster from eDNA. <i>Organic Letters</i> , 2001, 3, 1981-1984.	4.6	194
25	Dysidiolide: A Novel Protein Phosphatase Inhibitor from the Caribbean Sponge <i>Dysidea etheriade</i> Laubenfels. <i>Journal of the American Chemical Society</i> , 1996, 118, 8759-8760.	13.7	191
26	A pentahalogenated monoterpene from the red alga <i>Portieria hornemannii</i> produces a novel cytotoxicity profile against a diverse panel of human tumor cell lines. <i>Journal of Medicinal Chemistry</i> , 1992, 35, 3007-3011.	6.4	163
27	The Guanacastepenes: A Highly Diverse Family of Secondary Metabolites Produced by an Endophytic Fungus. <i>Journal of the American Chemical Society</i> , 2001, 123, 9900-9901.	13.7	160
28	New Natural Product Families from an Environmental DNA (eDNA) Gene Cluster. <i>Journal of the American Chemical Society</i> , 2002, 124, 9968-9969.	13.7	142
29	Long-Chain N-Acyl Amino Acid Antibiotics Isolated from Heterologously Expressed Environmental DNA. <i>Journal of the American Chemical Society</i> , 2000, 122, 12903-12904.	13.7	138
30	A Biosynthetic Gene Cluster for the Acetyl-CoA Carboxylase Inhibitor Andrimid. <i>Journal of the American Chemical Society</i> , 2006, 128, 10660-10661.	13.7	132
31	Liver-stage malaria parasites vulnerable to diverse chemical scaffolds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8511-8516.	7.1	132
32	Using the Heat-Shock Response To Discover Anticancer Compounds that Target Protein Homeostasis. <i>ACS Chemical Biology</i> , 2012, 7, 340-349.	3.4	129
33	Synthesis and Activity of Biomimetic Biofilm Disruptors. <i>Journal of the American Chemical Society</i> , 2013, 135, 2927-2930.	13.7	128
34	Chemical Analyses of Wasp-Associated <i>Streptomyces</i> Bacteria Reveal a Prolific Potential for Natural Products Discovery. <i>PLoS ONE</i> , 2011, 6, e16763.	2.5	125
35	Diarrhetic Shellfish Poisoning. <i>ACS Symposium Series</i> , 1984, , 207-214.	0.5	121
36	Bacterial symbionts and natural products. <i>Chemical Communications</i> , 2011, 47, 7559.	4.1	119

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37	Quorum-Sensing-Regulated Bactobolin Production by <i>Burkholderia thailandensis</i> E264. <i>Organic Letters</i> , 2010, 12, 716-719.	4.6	114
38	Refined structure of the FKBP12-rapamycin-FRB ternary complex at 2.2 Å resolution. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 1999, 55, 736-744.	2.5	107
39	Cloning and Heterologous Expression of Isocyanide Biosynthetic Genes from Environmental DNA. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7063-7065.	13.8	103
40	Long-Chain N-Acetyltyrosine Synthases from Environmental DNA. <i>Applied and Environmental Microbiology</i> , 2004, 70, 6865-6870.	3.1	95
41	Bacterial symbionts in agricultural systems provide a strategic source for antibiotic discovery. <i>Journal of Antibiotics</i> , 2014, 67, 53-58.	2.0	77
42	Palmitoylputrescine, an Antibiotic Isolated from the Heterologous Expression of DNA Extracted from Bromeliad Tank Water. <i>Journal of Natural Products</i> , 2004, 67, 1283-1286.	3.0	74
43	Bacterial terpene biosynthesis: challenges and opportunities for pathway engineering. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 2889-2906.	2.2	70
44	Hybrid Biosynthesis of Roseobacticides from Algal and Bacterial Precursor Molecules. <i>Journal of the American Chemical Society</i> , 2014, 136, 15150-15153.	13.7	68
45	NRPS Substrate Promiscuity Diversifies the Xenomatides. <i>Organic Letters</i> , 2011, 13, 5144-5147.	4.6	60
46	Structural and Functional Analysis of Pantocin A: An Antibiotic from <i>Pantoea agglomerans</i> Discovered by Heterologous Expression of Cloned Genes. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 2898-2901.	13.8	54
47	Systematic Investigation of the <i>Escherichia coli</i> Metabolome for the Biosynthetic Origin of an Isocyanide Carbon Atom. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7045-7048.	13.8	52
48	The three-dimensional structure of neohalicholactone, an unusual fatty acid metabolite from the marine sponge <i>halichondria okadae</i> . <i>Tetrahedron Letters</i> , 1991, 32, 2427-2428.	1.4	43
49	Pantocin B, an Antibiotic from <i>Erwinia herbicola</i> Discovered by Heterologous Expression of Cloned Genes. <i>Journal of the American Chemical Society</i> , 1999, 121, 11912-11913.	13.7	42
50	Structure-activity studies of rapamycin analogs: evidence that the C-7 methoxy group is part of the effector domain and positioned at the FKBP12-FRAP interface. <i>Chemistry and Biology</i> , 1995, 2, 471-481.	6.0	41
51	A Machine Learning Bioinformatics Method to Predict Biological Activity from Biosynthetic Gene Clusters. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 2560-2571.	5.4	38
52	Gene Flow and Molecular Innovation in Bacteria. <i>Current Biology</i> , 2016, 26, R859-R864.	3.9	37
53	Animals in a bacterial world: opportunities for chemical ecology. <i>Natural Product Reports</i> , 2015, 32, 888-892.	10.3	35
54	FeeM, an N-Acyl Amino Acid Synthase from an Uncultured Soil Microbe: Structure, Mechanism, and Acyl Carrier Protein Binding. <i>Structure</i> , 2006, 14, 1425-1435.	3.3	34

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55	The Biosynthetic Gene Cluster of Pantocin A Provides Insights into Biosynthesis and a Tool for Screening. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 2902-2905.	13.8	33
56	Isolation and structures of two new polycyclic ethers from <i>gymnodinium breve davis</i> (=ptychodiscus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	14	32
57	Beyond grind and find. <i>Nature Chemistry</i> , 2009, 1, 261-263.	13.6	28
58	Using genomics to deliver natural products from symbiotic bacteria. <i>Genome Biology</i> , 2005, 6, 232.	9.6	16
59	Detecting Binding Interactions Using Microarrays of Natural Product Extracts. <i>Journal of the American Chemical Society</i> , 2007, 129, 11346-11347.	13.7	15
60	Synthetic libraries of tyrosine-derived bacterial metabolites. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 3117-3121.	2.2	10
61	Stopping Trouble before It Starts. <i>ACS Chemical Biology</i> , 2006, 1, 17-19.	3.4	9
62	Structural studies on FK-506, cyclosporin A and their immunophilin complexes. <i>Journal of Computer - Aided Molecular Design</i> , 1994, 2, 127-144.	1.0	5
63	Not just passing through. <i>Nature Chemistry</i> , 2010, 2, 805-807.	13.6	3