

# Jeremy R Lohman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1532632/publications.pdf>

Version: 2024-02-01

33  
papers

929  
citations

471509

17  
h-index

454955

30  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1339  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strain Prioritization and Genome Mining for Eneidyne Natural Products. <i>MBio</i> , 2016, 7, .	4.1	89
2	The Effect of Salts on the Activity and Stability of <i>Escherichia coli</i> and <i>Haloferax volcanii</i> Dihydrofolate Reductases. <i>Journal of Molecular Biology</i> , 2002, 323, 327-344.	4.2	80
3	Strain Prioritization for Natural Product Discovery by a High-Throughput Real-Time PCR Method. <i>Journal of Natural Products</i> , 2014, 77, 2296-2303.	3.0	75
4	Structure of the Myotonic Dystrophy Type 2 RNA and Designed Small Molecules That Reduce Toxicity. <i>ACS Chemical Biology</i> , 2014, 9, 538-550.	3.4	61
5	Structural and evolutionary relationships of $\alpha$ -AT-less type I polyketide synthase ketosynthases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 12693-12698.	7.1	55
6	Eneidyne: Exploration of microbial genomics to discover new anticancer drug leads. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 9-15.	2.2	55
7	Cycloheximide and Actiphenol Production in <i>Streptomyces</i> sp. YIM56141 Governed by Single Biosynthetic Machinery Featuring an Acyltransferase-less Type I Polyketide Synthase. <i>Organic Letters</i> , 2014, 16, 3072-3075.	4.6	54
8	Biosynthetic Potential-Based Strain Prioritization for Natural Product Discovery: A Showcase for Diterpenoid-Producing Actinomycetes. <i>Journal of Natural Products</i> , 2014, 77, 377-387.	3.0	45
9	Leinamycin E1 acting as an anticancer prodrug activated by reactive oxygen species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8278-8283.	7.1	45
10	Cloning and sequencing of the kedarcidin biosynthetic gene cluster from <i>Streptoalloteichus</i> sp. ATCC 53650 revealing new insights into biosynthesis of the enediyne family of antitumor antibiotics. <i>Molecular BioSystems</i> , 2013, 9, 478.	2.9	39
11	C-S bond cleavage by a polyketide synthase domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10359-10364.	7.1	39
12	The crystal structure of Blml as a model for nonribosomal peptide synthetase peptidyl carrier proteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 2014, 82, 1210-1218.	2.6	33
13	Structure of the Bifunctional Acyltransferase/Decarboxylase LnmK from the Leinamycin Biosynthetic Pathway Revealing Novel Activity for a Double-Hot-Dog Fold. <i>Biochemistry</i> , 2013, 52, 902-911.	2.5	31
14	Atomic resolution structures of <i>Escherichia coli</i> and <i>Bacillus anthracis</i> malate synthase A: Comparison with isoform G and implications for structure-based drug discovery. <i>Protein Science</i> , 2008, 17, 1935-1945.	7.6	23
15	Comparative Characterization of the Lactimidomycin and iso-Migrastatin Biosynthetic Machineries Revealing Unusual Features for Acyltransferase-less Type I Polyketide Synthases and Providing an Opportunity To Engineer New Analogues. <i>Biochemistry</i> , 2014, 53, 7854-7865.	2.5	22
16	The Missing C-17 O-Methyltransferase in Geldanamycin Biosynthesis. <i>Organic Letters</i> , 2011, 13, 3726-3729.	4.6	20
17	Crystal Structures of SgcE6 and SgcC, the Two-Component Monooxygenase That Catalyzes Hydroxylation of a Carrier Protein-Tethered Substrate during the Biosynthesis of the Eneidyne Antitumor Antibiotic C-1027 in <i>Streptomyces globisporus</i> . <i>Biochemistry</i> , 2016, 55, 5142-5154.	2.5	18
18	Post-Polyketide Synthase Steps in Iso-migrastatin Biosynthesis, Featuring Tailoring Enzymes with Broad Substrate Specificity. <i>Journal of the American Chemical Society</i> , 2013, 135, 2489-2492.	13.7	16

#	ARTICLE	IF	CITATIONS
19	A new member of the 4-methylideneimidazole-5-one-containing aminomutase family from the enediyne kedarcidin biosynthetic pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8069-8074.	7.1	16
20	Sulfonate/Nitro Bearing Methylmalonyl-Thioester Isosteres Applied to Methylmalonyl-CoA Decarboxylase Structure-Function Studies. <i>Journal of the American Chemical Society</i> , 2019, 141, 5121-5124.	13.7	16
21	Enediyne Polyketide Synthases Stereoselectively Reduce the Î²-Ketoacyl Intermediates to Î²-Hydroxyacyl Intermediates in Enediyne Core Biosynthesis. <i>Organic Letters</i> , 2014, 16, 3958-3961.	4.6	15
22	Kinetic Folding of Haloferax volcanii and Escherichia coli Dihydrofolate Reductases: Haloadaptation by Unfolded State Destabilization at High Ionic Strength. <i>Journal of Molecular Biology</i> , 2008, 376, 1451-1462.	4.2	14
23	Crystal structure of SgcJ, an NTF2-like superfamily protein involved in biosynthesis of the nine-membered enediyne antitumor antibiotic C-1027. <i>Journal of Antibiotics</i> , 2016, 69, 731-740.	2.0	10
24	Crystal Structure of Thioesterase SgcE10 Supporting Common Polyene Intermediates in 9- and 10-Membered Enediyne Core Biosynthesis. <i>ACS Omega</i> , 2017, 2, 5159-5169.	3.5	10
25	Structural Insights into the Free-Standing Condensation Enzyme SgcC5 Catalyzing Ester-Bond Formation in the Biosynthesis of the Enediyne Antitumor Antibiotic C-1027. <i>Biochemistry</i> , 2018, 57, 3278-3288.	2.5	10
26	Crystal Structure of the Zorbamycin-Binding Protein ZbmA, the Primary Self-Resistance Element in <i>Streptomyces flavoviridis</i> ATCC21892. <i>Biochemistry</i> , 2015, 54, 6842-6851.	2.5	9
27	4-Methylideneimidazole-5-One-Containing Aminomutases in Enediyne Biosynthesis. <i>Methods in Enzymology</i> , 2012, 516, 299-319.	1.0	8
28	PokMT1 from the Polyketomycin Biosynthetic Machinery of <i>Streptomyces diastatochromogenes</i> TA146028 Belongs to the Emerging Family of C-Methyltransferases That Act on CoA-Activated Aromatic Substrates. <i>Biochemistry</i> , 2018, 57, 1003-1011.	2.5	8
29	Structures of LnmK, a Bifunctional Acyltransferase/Decarboxylase, with Substrate Analogues Reveal the Basis for Selectivity and Stereospecificity. <i>Biochemistry</i> , 2021, 60, 365-372.	2.5	7
30	The LnmK Bifunctional Acyltransferase/Decarboxylase Specifying (2 <i>R</i> )-Methylmalonyl-CoA and Employing Substrate-Assisted Catalysis for Polyketide Biosynthesis. <i>Biochemistry</i> , 2020, 59, 4143-4147.	2.5	5
31	Substrate Enolate Intermediate and Mimic Captured in the Active Site of <i>Streptomyces coelicolor</i> Methylmalonyl-CoA Epimerase**. <i>ChemBioChem</i> , 2022, 23, .	2.6	1
32	Structure-Function Studies of Two Yeast Homing Endonucleases that Evolved to Cleave Identical Targets with Dissimilar Rates and Specificities. <i>Journal of Molecular Biology</i> , 2022, 434, 167550.	4.2	0
33	Acetyl-CoA Electron Density: Acyl-CoA Reactivity and Crystallographic Data. <i>FASEB Journal</i> , 2022, 36, .	0.5	0