

# Jesko Koehnke

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

1,912  
citations

279798

23  
h-index

265206

42  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1866  
citing authors

#	ARTICLE	IF	CITATIONS
1	New developments in RiPP discovery, enzymology and engineering. <i>Natural Product Reports</i> , 2021, 38, 130-239.	10.3	412
2	Structural analysis of leader peptide binding enables leader-free cyanobactin processing. <i>Nature Chemical Biology</i> , 2015, 11, 558-563.	8.0	155
3	The mechanism of patellamide macrocyclization revealed by the characterization of the PatG macrocyclase domain. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 767-772.	8.2	136
4	The Cyanobactin Heterocyclase Enzyme: A Processive Adenylase That Operates with a Defined Order of Reaction. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13991-13996.	13.8	93
5	Splice Form Dependence of $\hat{1}^2$ -Neurexin/Neuroigin Binding Interactions. <i>Neuron</i> , 2010, 67, 61-74.	8.1	89
6	Ubc9 fusion-directed SUMOylation (UFDS): a method to analyze function of protein SUMOylation. <i>Nature Methods</i> , 2007, 4, 245-250.	19.0	80
7	The natural product carolacton inhibits folate-dependent C1 metabolism by targeting FOLD/MTHFD. <i>Nature Communications</i> , 2017, 8, 1529.	12.8	66
8	Thioholgamides: Thioamide-Containing Cytotoxic RiPP Natural Products. <i>ACS Chemical Biology</i> , 2017, 12, 2837-2841.	3.4	65
9	An Efficient Method for the In Vitro Production of Azol(in)e-Based Cyclic Peptides. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14171-14174.	13.8	53
10	The Discovery of New Cyanobactins from <i>Cyanothece</i> PCC 7425 Defines a New Signature for Processing of Patellamides. <i>ChemBioChem</i> , 2012, 13, 2683-2689.	2.6	49
11	Biosynthesis of Cittelins, Unusual Ribosomally Synthesized and Post-translationally Modified Peptides from <i>Myxococcus xanthus</i> . <i>ACS Chemical Biology</i> , 2020, 15, 2221-2231.	3.4	46
12	The structural biology of patellamide biosynthesis. <i>Current Opinion in Structural Biology</i> , 2014, 29, 112-121.	5.7	39
13	In vitro reconstitution of $\hat{1}^{\pm}$ -pyrone ring formation in myxopyronin biosynthesis. <i>Chemical Science</i> , 2015, 6, 5076-5085.	7.4	39
14	Crystal structure of the extracellular cholinesterase-like domain from neuroigin-2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 1873-1878.	7.1	37
15	Macroamidine Formation in Bottromycins Is Catalyzed by a Divergent YcaO Enzyme. <i>Journal of the American Chemical Society</i> , 2017, 139, 18158-18161.	13.7	36
16	Crystal Structures of $\hat{1}^2$ -Neurexin 1 and $\hat{1}^2$ -Neurexin 2 Ectodomains and Dynamics of Splice Insertion Sequence 4. <i>Structure</i> , 2008, 16, 410-421.	3.3	33
17	Tutuillamides A-C: Vinyl-Chloride-Containing Cyclodepsipeptides from Marine Cyanobacteria with Potent Elastase Inhibitory Properties. <i>ACS Chemical Biology</i> , 2020, 15, 751-757.	3.4	33
18	Structure and Biosynthesis of Crocagins: Polycyclic Posttranslationally Modified Ribosomal Peptides from <i>Chondromyces crocatus</i> . <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7407-7410.	13.8	32

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19	Bottromycins - biosynthesis, synthesis and activity. <i>Natural Product Reports</i> , 2021, 38, 1659-1683.	10.3	30
20	Structure of PatF from <i>Prochloron didemni</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 618-623.	0.7	27
21	Binding Mode Characterization and Early <i>in Vivo</i> Evaluation of Fragment-Like Thiols as Inhibitors of the Virulence Factor LasB from <i>Pseudomonas aeruginosa</i> . <i>ACS Infectious Diseases</i> , 2018, 4, 988-997.	3.8	27
22	<i>N</i> -Aryl-3-mercaptosuccinimides as Antivirulence Agents Targeting <i>Pseudomonas aeruginosa</i> Elastase and <i>Clostridium</i> Collagenases. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 8359-8368.	6.4	27
23	An Enzymatic Route to Selenazolines. <i>ChemBioChem</i> , 2013, 14, 564-567.	2.6	26
24	Thiazoline-Specific Amidohydrolase PurAH Is the Gatekeeper of Bottromycin Biosynthesis. <i>Journal of the American Chemical Society</i> , 2019, 141, 9748-9752.	13.7	26
25	Tackling <i>Pseudomonas aeruginosa</i> Virulence by a Hydroxamic Acid-Based LasB Inhibitor. <i>ACS Chemical Biology</i> , 2018, 13, 2449-2455.	3.4	24
26	Enhancing glycan stability <i>via</i> site-selective fluorination: modulating substrate orientation by molecular design. <i>Chemical Science</i> , 2021, 12, 1286-1294.	7.4	24
27	Total In Vitro Biosynthesis of the Thioamide Thioholgamide and Investigation of the Pathway. <i>Journal of the American Chemical Society</i> , 2022, 144, 5136-5144.	13.7	19
28	The bottromycin epimerase BotH defines a group of atypical $\beta$ -hydrolase-fold enzymes. <i>Nature Chemical Biology</i> , 2020, 16, 1013-1018.	8.0	18
29	The role of protein-protein interactions in the biosynthesis of ribosomally synthesized and post-translationally modified peptides. <i>Natural Product Reports</i> , 2019, 36, 1576-1588.	10.3	17
30	The structure of the cyanobactin domain of unknown function from PatG in the patellamide gene cluster. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014, 70, 1597-1603.	0.8	15
31	Structure and Substrate Recognition of the Bottromycin Maturation Enzyme BotP. <i>ChemBioChem</i> , 2016, 17, 2286-2292.	2.6	15
32	Leader peptide exchange to produce hybrid, new-to-nature ribosomal natural products. <i>Chemical Communications</i> , 2021, 57, 6372-6375.	4.1	15
33	The Penetratin Sequence in the Anticancer PNC-28 Peptide Causes Tumor Cell Necrosis Rather Than Apoptosis of Human Pancreatic Cancer Cells. <i>Annals of Surgical Oncology</i> , 2008, 15, 3588-3600.	1.5	14
34	Adaptation of a Bacterial Multidrug Resistance System Revealed by the Structure and Function of AlbA. <i>Journal of the American Chemical Society</i> , 2018, 140, 16641-16649.	13.7	14
35	Substrate-Inspired Fragment Merging and Growing Affords Efficacious LasB Inhibitors. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	13
36	Photorhabdus luminescens lectin A (PLIA): A new probe for detecting $\beta$ -galactoside-terminating glycoconjugates. <i>Journal of Biological Chemistry</i> , 2017, 292, 19935-19951.	3.4	9

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37	Non-Heme Monooxygenase Thoj Catalyzes Thioholgamide Î²-Hydroxylation. ACS Chemical Biology, 2020, 15, 2815-2819.	3.4	9
38	Structure-Activity Relationship and Mode-Of-Action Studies Highlight 1-(4-Biphenylmethyl)-1H-imidazole-Derived Small Molecules as Potent CYP121 Inhibitors. ChemMedChem, 2021, 16, 2786-2801.	3.2	9
39	Characterization of the Stereoselective P450 Enzyme BotCYP Enables the <i>In Vitro</i> Biosynthesis of the Bottromycin Core Scaffold. Journal of the American Chemical Society, 2020, 142, 20560-20565.	13.7	8
40	Cyclic Peptides. Chemical Biology, 2017, , .	0.2	4
41	The structure of Cgnj, a domain of unknown function protein from the crocagin gene cluster. Acta Crystallographica Section F, Structural Biology Communications, 2019, 75, 205-211.	0.8	1
42	The core of the matter. Nature Chemical Biology, 2021, 17, 1118-1119.	8.0	0
43	Substrate-Inspired fragment merging and growing affords efficacious LasB inhibitors. Angewandte Chemie, 0, , .	2.0	0