

# Associa€Prof Sandra Loesgen

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

1,285  
citations

394421

19  
h-index

361022

35  
g-index

44  
all docs

44  
docs citations

44  
times ranked

2342  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural basis for diverse N-glycan recognition by HIV-1â€œneutralizing V1â€œV2â€œdirected antibody PG16. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 804-813.	8.2	257
2	Merochlorins Aâ€œD, Cyclic Meroterpenoid Antibiotics Biosynthesized in Divergent Pathways with Vanadium-Dependent Chloroperoxidases. <i>Journal of the American Chemical Society</i> , 2012, 134, 11988-11991.	13.7	181
3	Screening strategies for obtaining novel, biologically active, fungal secondary metabolites from marine habitats. <i>Botanica Marina</i> , 2008, 51, 219-234.	1.2	77
4	Activity of the thiopeptide antibiotic nosiheptide against contemporary strains of methicillin-resistant <i>Staphylococcus aureus</i> . <i>Journal of Antibiotics</i> , 2012, 65, 593-598.	2.0	72
5	Novel Bacterial Metabolite Merochlorin A Demonstrates in vitro Activity against Multi-Drug Resistant Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>PLoS ONE</i> , 2012, 7, e29439.	2.5	69
6	Measurement of Oxygen Consumption Rate (OCR) and Extracellular Acidification Rate (ECAR) in Culture Cells for Assessment of the Energy Metabolism. <i>Bio-protocol</i> , 2018, 8, e2850.	0.4	68
7	Inhibition of Hepatitis C Virus by the Cyanobacterial Protein <i>Microcystis viridis</i> Lectin: Mechanistic Differences between the High-Mannose Specific Lectins MVL, CV-N, and GNA. <i>Molecular Pharmaceutics</i> , 2013, 10, 4590-4602.	4.6	43
8	Coculture of Two Developmental Stages of a Marine-Derived <i>Aspergillus alliaceus</i> Results in the Production of the Cytotoxic Bianthrone Allianthrone A. <i>Journal of Natural Products</i> , 2018, 81, 1014-1022.	3.0	41
9	Subtle Differences in Symbiont Cell Surface Glycan Profiles Do Not Explain Species-Specific Colonization Rates in a Model Cnidarian-Algal Symbiosis. <i>Frontiers in Microbiology</i> , 2018, 9, 842.	3.5	36
10	Bioprospecting Chemical Diversity and Bioactivity in a Marine Derived <i>Aspergillus terreus</i>. <i>Chemistry and Biodiversity</i> , 2016, 13, 253-259.	2.1	35
11	(+)â€œFlavipucine, the Missing Member of the Pyridione Epoxide Family of Fungal Antibiotics. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5156-5162.	2.4	31
12	The natural product mensacarcin induces mitochondrial toxicity and apoptosis in melanoma cells. <i>Journal of Biological Chemistry</i> , 2017, 292, 21102-21116.	3.4	31
13	Geographic Distribution of Secondary Metabolite Genes in the Marine Actinomycete <i>Salinispora arenicola</i> . <i>Applied and Environmental Microbiology</i> , 2011, 77, 5916-5925.	3.1	30
14	A metabolomics-guided approach to discover <i>Fusarium graminearum</i> metabolites after removal of a repressive histone modification. <i>Fungal Genetics and Biology</i> , 2019, 132, 103256.	2.1	30
15	Transcriptomic, Protein-DNA Interaction, and Metabolomic Studies of VosA, VelB, and WetA in <i>Aspergillus nidulans</i> Asexual Spores. <i>MBio</i> , 2021, 12, .	4.1	29
16	Antibacterial Drimane Sesquiterpenes from <i>Aspergillus ustus</i>. <i>Journal of Natural Products</i> , 2021, 84, 37-45.	3.0	28
17	Unexpected Biotransformation of the HDAC Inhibitor Vorinostat Yields Aniline-Containing Fungal Metabolites. <i>ACS Chemical Biology</i> , 2017, 12, 1842-1847.	3.4	27
18	Polyketides from Marine-Derived <i>Aspergillus porosus</i>: Challenges and Opportunities for Determining Absolute Configuration. <i>Journal of Natural Products</i> , 2019, 82, 2780-2789.	3.0	21

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19	Bioenergetics underlying single-cell migration on aligned nanofiber scaffolds. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 318, C476-C485.	4.6	21
20	Discovery and Biosynthesis of a Structurally Dynamic Antibacterial Diterpenoid. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14163-14170.	13.8	20
21	Biological evaluation of molecules of the azaBINOL class as antiviral agents: Inhibition of HIV-1 RNase H activity by 7-isopropoxy-8-(naphth-1-yl)quinoline. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 3595-3604.	3.0	19
22	Insights from NMR Spectroscopy into the Conformational Properties of Manâ€š and Its Recognition by Two HIV Binding Proteins. <i>ChemBioChem</i> , 2017, 18, 764-771.	2.6	18
23	Expression of a Structural Protein of the Mycovirus FgV-ch9 Negatively Affects the Transcript Level of a Novel Symptom Alleviation Factor and Causes Virus Infection-Like Symptoms in <i>Fusarium graminearum</i> . <i>Journal of Virology</i> , 2018, 92, .	3.4	18
24	N-Linked Surface Glycan Biosynthesis, Composition, Inhibition, and Function in Cnidarian-Dinoflagellate Symbiosis. <i>Microbial Ecology</i> , 2020, 80, 223-236.	2.8	17
25	Insights into the Bioactivity of Mensacarcin and Epoxide Formation by MsnO8. <i>ChemBioChem</i> , 2014, 15, 749-756.	2.6	16
26	Biolayer interferometry provides a robust method for detecting DNA binding small molecules in microbial extracts. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 1159-1171.	3.7	13
27	Comparative Genomics of Eight <i>Fusarium graminearum</i> Strains with Contrasting Aggressiveness Reveals an Expanded Open Pangenome and Extended Effector Content Signatures. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6257.	4.1	12
28	Altertoxin II, a Highly Effective and Specific Compound against Ewing Sarcoma. <i>Cancers</i> , 2021, 13, 6176.	3.7	4
29	Heat Stress of Algal Partner Hinders Colonization Success and Alters the Algal Cell Surface Glycome in a Cnidarian-Algal Symbiosis. <i>Microbiology Spectrum</i> , 2022, 10, .	3.0	4
30	Total Synthesis of Chalaniline B: An Antibiotic Aminoxanthone from Vorinostat-Treated Fungus <i>Chalara</i> sp. 6661. <i>Journal of Organic Chemistry</i> , 2021, 86, 7773-7780.	3.2	3
31	Biodiversity, Bioactivity, and Metabolites of High Desert Derived Oregonian Soil Bacteria. <i>Chemistry and Biodiversity</i> , 2021, 18, e2100046.	2.1	2
32	Entdeckung und Biosynthese eines strukturdynamischen antibakteriellen Diterpenoids. <i>Angewandte Chemie</i> , 2021, 133, 14282-14289.	2.0	2
33	Precursor-Directed Biosynthesis of Aminofulvenes: New Chalanilines from Endophytic Fungus <i>Chalara</i> sp.. <i>Molecules</i> , 2021, 26, 4418.	3.8	2
34	Chemical, Bioactivity, and Biosynthetic Screening of Epiphytic Fungus <i>Zasmidium pseudotsugae</i> . <i>Molecules</i> , 2020, 25, 2358.	3.8	1
35	Mensacarcin, a soil derived polyketide, exhibits strong universal anti-proliferative effects in human cancer cell lines and induces cell death selectively in melanoma cells. <i>Planta Medica</i> , 2016, 81, S1-S381.	1.3	0
36	Anticancer active metabolites from soil bacteria. <i>Planta Medica</i> , 2016, 81, S1-S381.	1.3	0

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37	Antiviral screening of microbial natural products. <i>Planta Medica</i> , 2016, 81, S1-S381.	1.3	0