

# Stephanie Grond

## List of Publications by Year in descending order

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55  
papers

2,415  
citations

304743

22  
h-index

206112

48  
g-index

56  
all docs

56  
docs citations

56  
times ranked

3687  
citing authors

#	ARTICLE	IF	CITATIONS
1	Human commensals producing a novel antibiotic impair pathogen colonization. <i>Nature</i> , 2016, 535, 511-516.	27.8	667
2	<i>Piriformospora indica</i> affects plant growth by auxin production. <i>Physiologia Plantarum</i> , 2007, 131, 581-589.	5.2	247
3	<i>Nocardioides</i> sp. strain WSN05-2, isolated from a wheat field, degrades deoxynivalenol, producing the novel intermediate 3-epi-deoxynivalenol. <i>Applied Microbiology and Biotechnology</i> , 2011, 89, 419-427.	3.6	118
4	A Novel Metagenomic Short-Chain Dehydrogenase/Reductase Attenuates <i>Pseudomonas aeruginosa</i> Biofilm Formation and Virulence on <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2011, 6, e26278.	2.5	113
5	Molecular Analysis of the Kirromycin Biosynthetic Gene Cluster Revealed Î²-Alanine as Precursor of the Pyridone Moiety. <i>Chemistry and Biology</i> , 2008, 15, 175-188.	6.0	101
6	The COP9 signalosome mediates transcriptional and metabolic response to hormones, oxidative stress protection and cell wall rearrangement during fungal development. <i>Molecular Microbiology</i> , 2010, 78, 964-979.	2.5	81
7	Lugdunin amplifies innate immune responses in the skin in synergy with host- and microbiota-derived factors. <i>Nature Communications</i> , 2019, 10, 2730.	12.8	74
8	On the Biosynthetic Origin of Methoxymalonyl-Acyl Carrier Protein, the Substrate for Incorporation of "Glycolate" Units into Ansamitocin and Soraphen A. <i>Journal of the American Chemical Society</i> , 2006, 128, 14325-14336.	13.7	72
9	Antioxidant and Anti-Protease Activities of Diazepinomycin from the Sponge-Associated Micromonospora Strain RV115. <i>Marine Drugs</i> , 2012, 10, 2208-2221.	4.6	66
10	Cyanobacterial antimetabolite 7-deoxy-sedoheptulose blocks the shikimate pathway to inhibit the growth of prototrophic organisms. <i>Nature Communications</i> , 2019, 10, 545.	12.8	53
11	Highly Active Ansamitocin Derivatives: Mutasynthesis Using an AHBA-Blocked Mutant. <i>ChemBioChem</i> , 2008, 9, 1057-1060.	2.6	48
12	A New Class of Quorum Quenching Molecules from <i>Staphylococcus</i> Species Affects Communication and Growth of Gram-Negative Bacteria. <i>PLoS Pathogens</i> , 2013, 9, e1003654.	4.7	47
13	Archazolid A Binds to the Equatorial Region of the c-Ring of the Vacuolar H <sup>+</sup> -ATPase*. <i>Journal of Biological Chemistry</i> , 2010, 285, 38304-38314.	3.4	44
14	Synthetic Lugdunin Analogues Reveal Essential Structural Motifs for Antimicrobial Action and Proton Translocation Capability. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9234-9238.	13.8	44
15	Polyketide Biderivatization Using the Promiscuous Acyltransferase KirCII. <i>ACS Synthetic Biology</i> , 2017, 6, 421-427.	3.8	42
16	The Iromycins, a New Family of Pyridone Metabolites from <i>Streptomyces</i> sp. I. Structure, NOS Inhibitory Activity, and Biosynthesis. <i>Journal of Organic Chemistry</i> , 2007, 72, 5085-5090.	3.2	39
17	Novel Î±-L-Rhamnopyranosides from a Single Strain of <i>Streptomyces</i> by Supplement-Induced Biosynthetic Steps. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 3237-3242.	2.4	37
18	A two-step sulfation in antibiotic biosynthesis requires a type III polyketide synthase. <i>Nature Chemical Biology</i> , 2013, 9, 610-615.	8.0	36

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19	Rare actinomycetes <i>Nocardia caishijiensis</i> and <i>Pseudonocardia carboxydivorans</i> as endophytes, their bioactivity and metabolites evaluation. <i>Microbiological Research</i> , 2016, 185, 22-35.	5.3	35
20	New Aminocoumarins from the Rare Actinomycete <i>Catenulispora acidiphila</i> DSM 44928: Identification, Structure Elucidation, and Heterologous Production. <i>ChemBioChem</i> , 2014, 15, 612-621.	2.6	33
21	First Y-type actinomycins from <i>Streptomyces</i> with divergent structure-activity relationships for antibacterial and cytotoxic properties. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 444-450.	2.8	26
22	An Artificial Pathway to 3,4-Dihydroxybenzoic Acid Allows Generation of New Aminocoumarin Antibiotic Recognized by Catechol Transporters of <i>E. coli</i> . <i>Chemistry and Biology</i> , 2011, 18, 304-313.	6.0	25
23	Biosynthetic Investigations of the V-Type ATPase Inhibitors Bafilomycin A1, B1, and Concanamycin A. <i>Journal of Antibiotics</i> , 2004, 57, 655-661.	2.0	23
24	Production of functionalized oligoisoprenoids by enzymatic cleavage of rubber. <i>Microbial Biotechnology</i> , 2017, 10, 1426-1433.	4.2	22
25	New 1-O-Acyl .ALPHA.-L-Rhamnopyranosides and Rhamnosylated Lactones from <i>Streptomyces</i> sp., Inhibitors of 3.ALPHA.-Hydroxysteroid-dehydrogenase (3.ALPHA.-HSD).. <i>Journal of Antibiotics</i> , 2000, 53, 944-953.	2.0	21
26	Convenient Synthesis of a [1-14C]Diazirinybenzoic Acid as a Photoaffinity Label for Binding Studies of V-ATPase Inhibitors. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 3870-3878.	2.4	20
27	Structural Diversity of 1-O-Acyl $\pm$ -L-Rhamnopyranosides by Precursor-Directed Biosynthesis with <i>Streptomyces griseoviridis</i> . <i>European Journal of Organic Chemistry</i> , 2000, 2000, 1875-1881.	2.4	19
28	The Binding Site of the V-ATPase Inhibitor Apicularen Is in the Vicinity of Those for Bafilomycin and Archazolid. <i>Journal of Biological Chemistry</i> , 2012, 287, 31866-31876.	3.4	18
29	Epoxomicin and Eponemycin Biosynthesis Involves <i>gem</i> -Dimethylation and an Acyl-CoA Dehydrogenase-Like Enzyme. <i>ChemBioChem</i> , 2016, 17, 792-798.	2.6	18
30	Iromycins from <i>Streptomyces</i> sp. and from synthesis: New inhibitors of the mitochondrial electron transport chain. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 1738-1746.	3.0	17
31	Filling the Gaps in the Kirromycin Biosynthesis: Deciphering the Role of Genes Involved in Ethylmalonyl-CoA Supply and Tailoring Reactions. <i>Scientific Reports</i> , 2018, 8, 3230.	3.3	17
32	The New Metabolite ( <i>S</i> )-Cinnamoylphosphoramidate from <i>Streptomyces</i> sp. and Its Total Synthesis. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 5117-5124.	2.4	16
33	New Fluorous Photoaffinity Labels (F-PAL) and Their Application in V-ATPase Inhibition Studies. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 2176-2181.	2.4	16
34	Unusual N-Prenylation in Diazepinomicin Biosynthesis: The Farnesylation of a Benzodiazepine Substrate Is Catalyzed by a New Member of the ABBA Prenyltransferase Superfamily. <i>PLoS ONE</i> , 2013, 8, e85707.	2.5	15
35	A new quinolinone and its natural/artificial derivatives from a shark gill-derived fungus <i>Penicillium polonicum</i> AP2T1. <i>Natural Product Research</i> , 2017, 31, 985-989.	1.8	13
36	A comprehensive view on 4-methyl-2-quinazolinamine, a new microbial alkaloid from <i>Streptomyces</i> of TCM plant origin. <i>Journal of Antibiotics</i> , 2009, 62, 439-444.	2.0	12

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37	Bioreporters for direct mode of action-informed screening of antibiotic producer strains. <i>Cell Chemical Biology</i> , 2021, 28, 1242-1252.e4.	5.2	11
38	Spirodionic Acid, a Novel Metabolite from <i>Streptomyces</i> sp., Part 2: Total Synthesis through a Twofold Michael Addition as a Selective Spiroannulation Strategy. <i>Chemistry - A European Journal</i> , 2007, 13, 7424-7431.	3.3	10
39	Biosynthetic Origin of the Methoxyl Extender Unit in Bafilomycin and Concanamycin using Stereospecifically Labeled Precursors. <i>Journal of Antibiotics</i> , 2007, 60, 52-60.	2.0	10
40	Two Pathways for Pyrrole Formation in Coumermycin A <sub>1</sub> Biosynthesis: The Central Pyrrole Moiety Is Formed From L-Threonine. <i>ChemBioChem</i> , 2011, 12, 2677-2685.	2.6	10
41	Caprazamycins: Biosynthesis and structure activity relationship studies. <i>International Journal of Medical Microbiology</i> , 2019, 309, 319-324.	3.6	10
42	Secretion of and Self-Resistance to the Novel Fibuopeptide Antimicrobial Lugdunin by Distinct ABC Transporters in <i>Staphylococcus lugdunensis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2020, 65, .	3.2	10
43	Spirodionic Acid, a Novel Metabolite from <i>Streptomyces</i> sp., Part 1: Structure Elucidation and Diels-Alder-Type Biosynthesis. <i>Chemistry - A European Journal</i> , 2007, 13, 7416-7423.	3.3	9
44	Comprehensive Study of Okaspirodiol: Characterization, Total Synthesis, and Biosynthesis of a New Metabolite from <i>Streptomyces</i> . <i>Journal of Organic Chemistry</i> , 2006, 71, 7125-7132.	3.2	8
45	Lysoquinone-TH1, a New Polyphenolic Tridecaketide Produced by Expressing the Lysolipin Minimal PKS II in <i>Streptomyces albus</i> . <i>Antibiotics</i> , 2018, 7, 53.	3.7	7
46	Viridicatol and viridicatin isolated from a shark-gill-derived fungus <i>Penicillium polonicum</i> AP2T1 as MMP-2 and MMP-9 inhibitors in HT1080 cells by MAPKs signaling pathway and docking studies. <i>Medicinal Chemistry Research</i> , 2019, 28, 1039-1048.	2.4	7
47	A bioactive molecule made by unusual salvage of radical SAM enzyme byproduct 5-deoxyadenosine blurs the boundary of primary and secondary metabolism. <i>Journal of Biological Chemistry</i> , 2021, 296, 100621.	3.4	7
48	Mixed Acetate-Glycerol Biosynthesis and Formation of Benzoate Directly from Shikimate in <i>Streptomyces</i> sp.. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 4771-4777.	2.4	5
49	The Structure of Cyclodecatriene Collinolactone, its Biosynthesis, and Semisynthetic Analogues: Effects of Monoastral Phenotype and Protection from Intracellular Oxidative Stress. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23212-23216.	13.8	5
50	Hybrid Chemoenzymatic Synthesis of C7 Sugars for Molecular Evidence of in vivo Shikimate Pathway Inhibition. <i>ChemBioChem</i> , 2022, , .	2.6	3
51	Exploiting Green Treasures. <i>Chemistry and Biology</i> , 2007, 14, 469-471.	6.0	2
52	Isolation and characterization of bioactive fungi from shark <i>Carcharodon carcharias</i> ™ gill with biopharmaceutical prospects. <i>Chinese Journal of Oceanology and Limnology</i> , 2016, 34, 186-199.	0.7	2
53	Synthetische Analoga zeigen die essentiellen Struktur motive von Lugdunin und seinen Protonentransport. <i>Angewandte Chemie</i> , 2019, 131, 9333-9338.	2.0	2
54	Distinct Lugdunins from a New Efficient Synthesis and Broad Exploitation of Its MRSA-Antimicrobial Structure. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 4034-4058.	6.4	2

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55	Die Struktur des Cyclodecatriens Collinolacton, seine Biosynthese und semisynthetische Derivate: monopolare Spindeln und Schutz vor intrazellulÄrem oxidativem Stress. Angewandte Chemie, 2021, 133, 23399.	2.0	0