

# Frank C Schroeder

## List of Publications by Year in descending order

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143  
papers

9,126  
citations

34493

54  
h-index

58552

86  
g-index

162  
all docs

162  
docs citations

162  
times ranked

9674  
citing authors

#	ARTICLE	IF	CITATIONS
1	Illuminating the lineage-specific diversification of resin glycoside acylsugars in the morning glory ( <i>Convolvulaceae</i> ) family using computational metabolomics. <i>Horticulture Research</i> , 2022, 9, .	2.9	7
2	Formation and function of dauer ascarosides in the nematodes <i>Caenorhabditis briggsae</i> and <i>Caenorhabditis elegans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	0.8	7
3	Comparative metabolomics with Metaboseek reveals functions of a conserved fat metabolism pathway in <i>C. elegans</i> . <i>Nature Communications</i> , 2022, 13, 782.	5.8	24
4	Nematode ascarosides attenuate mammalian type 2 inflammatory responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	5
5	CEST $\epsilon$ 2.2 overexpression alters lipid metabolism and extends longevity of mitochondrial mutants. <i>EMBO Reports</i> , 2022, 23, e52606.	2.0	5
6	Dual-purpose isocyanides produced by <i>Aspergillus fumigatus</i> contribute to cellular copper sufficiency and exhibit antimicrobial activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	31
7	Syntheses of Amorfrutins and Derivatives via Tandem Diels-Alder and Anionic Cascade Approaches. <i>Journal of Organic Chemistry</i> , 2021, 86, 11269-11276.	1.7	4
8	Correcting for Naturally Occurring Mass Isotopologue Abundances in Stable-Isotope Tracing Experiments with PolyMID. <i>Metabolites</i> , 2021, 11, 310.	1.3	3
9	Nematode Signaling Molecules Are Extensively Metabolized by Animals, Plants, and Microorganisms. <i>ACS Chemical Biology</i> , 2021, 16, 1050-1058.	1.6	8
10	Mass spectrometry-based metabolomics: a guide for annotation, quantification and best reporting practices. <i>Nature Methods</i> , 2021, 18, 747-756.	9.0	403
11	Inversion of pheromone preference optimizes foraging in <i>C. elegans</i> . <i>ELife</i> , 2021, 10, .	2.8	11
12	Comparison of High-Resolution Fourier Transform Mass Spectrometry Platforms for Putative Metabolite Annotation. <i>Analytical Chemistry</i> , 2021, 93, 12374-12382.	3.2	7
13	Combinatorial Assembly of Modular Glucosides via Carboxylesterases Regulates <i>C. elegans</i> Starvation Survival. <i>Journal of the American Chemical Society</i> , 2021, 143, 14676-14683.	6.6	12
14	Prey sensing and response in a nematode-trapping fungus is governed by the MAPK pheromone response pathway. <i>Genetics</i> , 2021, 217, .	1.2	30
15	Experimental methods for dissecting the terraincognita of protein-metabolite interactomes. <i>Current Opinion in Systems Biology</i> , 2021, 28, 100403.	1.3	7
16	Plant metabolism of nematode pheromones mediates plant-nematode interactions. <i>Nature Communications</i> , 2020, 11, 208.	5.8	52
17	Photoaffinity probes for nematode pheromone receptor identification. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 36-40.	1.5	5
18	An Untargeted Approach for Revealing Electrophilic Metabolites. <i>ACS Chemical Biology</i> , 2020, 15, 3030-3037.	1.6	3

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19	Deep Interrogation of Metabolism Using a Pathway-Targeted Click-Chemistry Approach. <i>Journal of the American Chemical Society</i> , 2020, 142, 18449-18459.	6.6	19
20	Population Density Modulates the Duration of Reproduction of <i>C.Âelegans</i> . <i>Current Biology</i> , 2020, 30, 2602-2607.e2.	1.8	11
21	Toward spatially resolved metabolomics. <i>Nature Chemical Biology</i> , 2020, 16, 1039-1040.	3.9	11
22	Identification of Uric Acid Gluconucleosideâ€“Ascaroside Conjugates in <i>Caenorhabditis elegans</i> by Combining Synthesis and MicroED. <i>Organic Letters</i> , 2020, 22, 6724-6728.	2.4	15
23	A neurotransmitter produced by gut bacteria modulates host sensory behaviour. <i>Nature</i> , 2020, 583, 415-420.	13.7	155
24	Natural diversity in the predatory behavior facilitates the establishment of a robust model strain for nematode-trapping fungi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6762-6770.	3.3	59
25	Interception of the Bycroftâ€“Gowland Intermediate in the Enzymatic Macrocyclization of Thiopeptides. <i>Journal of the American Chemical Society</i> , 2020, 142, 13170-13179.	6.6	10
26	Modeling tissueâ€“relevant <i>Caenorhabditis elegans</i> metabolism at network, pathway, reaction, and metabolite levels. <i>Molecular Systems Biology</i> , 2020, 16, e9649.	3.2	32
27	Modular metabolite assembly in <i>Caenorhabditis elegans</i> depends on carboxylesterases and formation of lysosome-related organelles. <i>ELife</i> , 2020, 9, .	2.8	18
28	Co-option of neurotransmitter signaling for inter-organismal communication in <i>C. elegans</i> . <i>Nature Communications</i> , 2019, 10, 3186.	5.8	20
29	An excreted small molecule promotes <i>C. elegans</i> reproductive development and aging. <i>Nature Chemical Biology</i> , 2019, 15, 838-845.	3.9	41
30	Diketopiperazine Formation in Fungi Requires Dedicated Cyclization and Thiolation Domains. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14589-14593.	7.2	31
31	Diketopiperazine Formation in Fungi Requires Dedicated Cyclization and Thiolation Domains. <i>Angewandte Chemie</i> , 2019, 131, 14731-14735.	1.6	7
32	Selection and gene flow shape niche-associated variation in pheromone response. <i>Nature Ecology and Evolution</i> , 2019, 3, 1455-1463.	3.4	41
33	Nematode ascaroside enhances resistance in a broad spectrum of plantâ€“pathogen systems. <i>Journal of Phytopathology</i> , 2019, 167, 265-272.	0.5	18
34	Metabolome-Scale Genome-Wide Association Studies Reveal Chemical Diversity and Genetic Control of Maize Specialized Metabolites. <i>Plant Cell</i> , 2019, 31, 937-955.	3.1	75
35	The microbiota regulate neuronal function and fear extinction learning. <i>Nature</i> , 2019, 574, 543-548.	13.7	302
36	Intestinal peroxisomal fatty acid $\beta$ -oxidation regulates neural serotonin signaling through a feedback mechanism. <i>PLoS Biology</i> , 2019, 17, e3000242.	2.6	19

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37	Ethylene signaling regulates natural variation in the abundance of antifungal acetylated diferuloylsucroses and <i>Fusarium graminearum</i> resistance in maize seedling roots. <i>New Phytologist</i> , 2019, 221, 2096-2111.	3.5	42
38	Natural variation in <i>C. elegans</i> arsenic toxicity is explained by differences in branched chain amino acid metabolism. <i>ELife</i> , 2019, 8, .	2.8	66
39	Metabolomic "Dark Matter" Dependent on Peroxisomal $\beta^2$ -Oxidation in <i>Caenorhabditis elegans</i> . <i>Journal of the American Chemical Society</i> , 2018, 140, 2841-2852.	6.6	52
40	Predator-secreted sulfolipids induce defensive responses in <i>C. elegans</i> . <i>Nature Communications</i> , 2018, 9, 1128.	5.8	39
41	NRPS-Derived Isoquinolines and Lipopeptides Mediate Antagonism between Plant Pathogenic Fungi and Bacteria. <i>ACS Chemical Biology</i> , 2018, 13, 171-179.	1.6	38
42	Modeling Meets Metabolomics – The WormJam Consensus Model as Basis for Metabolic Studies in the Model Organism <i>Caenorhabditis elegans</i> . <i>Frontiers in Molecular Biosciences</i> , 2018, 5, 96.	1.6	40
43	Phevamine A, a small molecule that suppresses plant immune responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9514-E9522.	3.3	37
44	Fungal Isocyanide Synthases and Xanthocillin Biosynthesis in <i>Aspergillus fumigatus</i> . <i>MBio</i> , 2018, 9, .	1.8	44
45	Conserved Responses in a War of Small Molecules between a Plant-Pathogenic Bacterium and Fungi. <i>MBio</i> , 2018, 9, .	1.8	73
46	Linking Genomic and Metabolomic Natural Variation Uncovers Nematode Pheromone Biosynthesis. <i>Cell Chemical Biology</i> , 2018, 25, 787-796.e12.	2.5	31
47	Biology and genome of a newly discovered sibling species of <i>Caenorhabditis elegans</i> . <i>Nature Communications</i> , 2018, 9, 3216.	5.8	102
48	A small molecule virulence factor suppresses plant immune response. <i>FASEB Journal</i> , 2018, 32, 656.9.	0.2	0
49	Improved Synthesis for Modular Ascarosides Uncovers Biological Activity. <i>Organic Letters</i> , 2017, 19, 2837-2840.	2.4	28
50	Editorial overview: Omics techniques to map the chemistry of life. <i>Current Opinion in Chemical Biology</i> , 2017, 36, v-vi.	2.8	1
51	Biosynthesis of Modular Ascarosides in <i>C. elegans</i> . <i>Angewandte Chemie</i> , 2017, 129, 4807-4811.	1.6	2
52	Biosynthesis of Modular Ascarosides in <i>C. elegans</i> . <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4729-4733.	7.2	34
53	A Predictive Model for Selective Targeting of the Warburg Effect through GAPDH Inhibition with a Natural Product. <i>Cell Metabolism</i> , 2017, 26, 648-659.e8.	7.2	154
54	Larval crowding accelerates <i>C. elegans</i> development and reduces lifespan. <i>PLoS Genetics</i> , 2017, 13, e1006717.	1.5	60

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55	Pheromone-sensing neurons regulate peripheral lipid metabolism in <i>Caenorhabditis elegans</i> . <i>PLoS Genetics</i> , 2017, 13, e1006806.	1.5	27
56	3,7-Isoquinoline quinones from the ascidian tunicate <i>Ascidia virginea</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2017, 72, 259-264.	0.6	3
57	Nematophagous fungus <i>Arthrobotrys oligospora</i> mimics olfactory cues of sex and food to lure its nematode prey. <i>ELife</i> , 2017, 6, .	2.8	75
58	A Forward Genetic Screen for Molecules Involved in Pheromone-Induced Dauer Formation in <i>Caenorhabditis elegans</i> . <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 1475-1487.	0.8	17
59	BLIMP-1/BLMP-1 and Metastasis-Associated Protein Regulate Stress Resistant Development in <i>Caenorhabditis elegans</i> . <i>Genetics</i> , 2016, 203, 1721-1732.	1.2	18
60	Stilbenoids from <i>Hopea acuminata</i> . <i>Journal of Herbs, Spices and Medicinal Plants</i> , 2016, 22, 92-104.	0.5	3
61	Plant-like biosynthesis of isoquinoline alkaloids in <i>Aspergillus fumigatus</i> . <i>Nature Chemical Biology</i> , 2016, 12, 419-424.	3.9	79
62	Functional Conservation and Divergence of daf-22 Paralogs in <i>Pristionchus pacificus</i> Dauer Development. <i>Molecular Biology and Evolution</i> , 2016, 33, 2506-2514.	3.5	34
63	Elucidating the Rimosamide-Detoxin Natural Product Families and Their Biosynthesis Using Metabolite/Gene Cluster Correlations. <i>ACS Chemical Biology</i> , 2016, 11, 3452-3460.	1.6	42
64	Contrasting responses within a single neuron class enable sex-specific attraction in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1392-401.	3.3	53
65	Amorfrutin C Induces Apoptosis and Inhibits Proliferation in Colon Cancer Cells through Targeting Mitochondria. <i>Journal of Natural Products</i> , 2016, 79, 2-12.	1.5	39
66	Mating dynamics in a nematode with three sexes and its evolutionary implications. <i>Scientific Reports</i> , 2015, 5, 17676.	1.6	43
67	Natural Product and Natural Product-Derived Gamma Secretase Modulators from <i>Actaea Racemosa</i> Extracts. <i>Medicines (Basel, Switzerland)</i> , 2015, 2, 127-140.	0.7	8
68	Transcriptome analysis of cyclic AMP-dependent protein kinase A-regulated genes reveals the production of the novel natural compound fumipyrrole by <i>Aspergillus fumigatus</i> . <i>Molecular Microbiology</i> , 2015, 96, 148-162.	1.2	37
69	Chemoenzymatic Synthesis of Thiazolyl Peptide Natural Products Featuring an Enzyme-Catalyzed Formal [4 + 2] Cycloaddition. <i>Journal of the American Chemical Society</i> , 2015, 137, 3494-3497.	6.6	113
70	Conserved nematode signalling molecules elicit plant defenses and pathogen resistance. <i>Nature Communications</i> , 2015, 6, 7795.	5.8	196
71	Combinatorial chemistry in nematodes: modular assembly of primary metabolism-derived building blocks. <i>Natural Product Reports</i> , 2015, 32, 994-1006.	5.2	38
72	Nematode Signaling Molecules Derived from Multimodular Assembly of Primary Metabolic Building Blocks. <i>Organic Letters</i> , 2015, 17, 1648-1651.	2.4	13

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73	Amorfrutins Are Natural PPAR $\beta$ Agonists with Potent Anti-inflammatory Properties. <i>Journal of Natural Products</i> , 2015, 78, 1160-1164.	1.5	56
74	NeuCode Labeling in Nematodes: Proteomic and Phosphoproteomic Impact of Ascaroside Treatment in <i>Caenorhabditis elegans</i> . <i>Molecular and Cellular Proteomics</i> , 2015, 14, 2922-2935.	2.5	20
75	Modular Assembly of Primary Metabolic Building Blocks: A Chemical Language in <i>C. elegans</i> . <i>Chemistry and Biology</i> , 2015, 22, 7-16.	6.2	49
76	Human GAPDH Is a Target of Aspirin's Primary Metabolite Salicylic Acid and Its Derivatives. <i>PLoS ONE</i> , 2015, 10, e0143447.	1.1	44
77	Perturbations in small molecule synthesis uncovers an iron-responsive secondary metabolite network in <i>Aspergillus fumigatus</i> . <i>Frontiers in Microbiology</i> , 2014, 5, 530.	1.5	59
78	Comparative Metabolomics Reveals Endogenous Ligands of DAF-12, a Nuclear Hormone Receptor, Regulating <i>C. elegans</i> Development and Lifespan. <i>Cell Metabolism</i> , 2014, 19, 73-83.	7.2	94
79	A Photocleavable Masked Nuclear Receptor Ligand Enables Temporal Control of <i>C. elegans</i> Development. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2110-2113.	7.2	7
80	Males Shorten the Life Span of <i>C. elegans</i> Hermaphrodites via Secreted Compounds. <i>Science</i> , 2014, 343, 541-544.	6.0	150
81	<i>B. subtilis</i> GS67 Protects <i>C. elegans</i> from Gram-Positive Pathogens via Fengycin-Mediated Microbial Antagonism. <i>Current Biology</i> , 2014, 24, 2720-2727.	1.8	35
82	Natural Variation in Dauer Pheromone Production and Sensing Supports Intraspecific Competition in Nematodes. <i>Current Biology</i> , 2014, 24, 1536-1541.	1.8	47
83	Activation of a G protein-coupled receptor by its endogenous ligand triggers the innate immune response of <i>Caenorhabditis elegans</i> . <i>Nature Immunology</i> , 2014, 15, 833-838.	7.0	113
84	Chemosensation of Bacterial Secondary Metabolites Modulates Neuroendocrine Signaling and Behavior of <i>C. elegans</i> . <i>Cell</i> , 2014, 159, 267-280.	13.5	219
85	Endogenous NHR ligands: metabolomics to the rescue. <i>Aging</i> , 2014, 6, 522-523.	1.4	0
86	Chemical Detoxification of Small Molecules by <i>Caenorhabditis elegans</i> . <i>ACS Chemical Biology</i> , 2013, 8, 309-313.	1.6	40
87	A Nonribosomal Peptide Synthetase-Derived Iron(III) Complex from the Pathogenic Fungus <i>Aspergillus fumigatus</i> . <i>Journal of the American Chemical Society</i> , 2013, 135, 2064-2067.	6.6	111
88	Homologous NRPS-like Gene Clusters Mediate Redundant Small Molecule Biosynthesis in <i>Aspergillus flavus</i> . <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1590-1594.	7.2	101
89	Structural Characterization of Amorfrutins Bound to the Peroxisome Proliferator-Activated Receptor $\beta$ . <i>Journal of Medicinal Chemistry</i> , 2013, 56, 1535-1543.	2.9	61
90	2D NMR-Based Metabolomics Uncovers Interactions between Conserved Biochemical Pathways in the Model Organism <i>Caenorhabditis elegans</i> . <i>ACS Chemical Biology</i> , 2013, 8, 314-319.	1.6	36

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91	Nematode-Trapping Fungi Eavesdrop on Nematode Pheromones. <i>Current Biology</i> , 2013, 23, 83-86.	1.8	152
92	Anthranilate Fluorescence Marks a Calcium-Propagated Necrotic Wave That Promotes Organismal Death in <i>C. elegans</i> . <i>PLoS Biology</i> , 2013, 11, e1001613.	2.6	123
93	Pheromone sensing regulates <i>Caenorhabditis elegans</i> lifespan and stress resistance via the deacetylase SIR-2.1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 5522-5527.	3.3	82
94	Succinylated Octopamine Ascarosides and a New Pathway of Biogenic Amine Metabolism in <i>Caenorhabditis elegans</i> . <i>Journal of Biological Chemistry</i> , 2013, 288, 18778-18783.	1.6	71
95	Density dependence in <i>Caenorhabditis</i> larval starvation. <i>Scientific Reports</i> , 2013, 3, 2777.	1.6	45
96	A Family of Indoles Regulate Virulence and Shiga Toxin Production in Pathogenic <i>E. coli</i> . <i>PLoS ONE</i> , 2013, 8, e54456.	1.1	71
97	Ascaroside signaling in <i>C. elegans</i> . <i>WormBook</i> , 2013, , 1-22.	5.3	165
98	Steroids as Central Regulators of Organismal Development and Lifespan. <i>PLoS Biology</i> , 2012, 10, e1001307.	2.6	29
99	Interaction of structure-specific and promiscuous G-protein-coupled receptors mediates small-molecule signaling in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 9917-9922.	3.3	110
100	Sex-specific mating pheromones in the nematode <i>Panagrellus redivivus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20949-20954.	3.3	66
101	A Modular Library of Small Molecule Signals Regulates Social Behaviors in <i>Caenorhabditis elegans</i> . <i>PLoS Biology</i> , 2012, 10, e1001237.	2.6	208
102	Discovery of a Novel Pharmacological and Structural Class of Gamma Secretase Modulators Derived from the Extract of <i>Actaea racemosa</i> . <i>ACS Chemical Neuroscience</i> , 2012, 3, 941-951.	1.7	58
103	Complex Small-Molecule Architectures Regulate Phenotypic Plasticity in a Nematode. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12438-12443.	7.2	88
104	NMR in Metabolomics and Natural Products Research: Two Sides of the Same Coin. <i>Accounts of Chemical Research</i> , 2012, 45, 288-297.	7.6	151
105	Comparative Metabolomics Reveals Biogenesis of Ascarosides, a Modular Library of Small-Molecule Signals in <i>C. elegans</i> . <i>Journal of the American Chemical Society</i> , 2012, 134, 1817-1824.	6.6	187
106	Chemical investigations of defensive steroid sequestration by the Asian snake <i>Rhabdophis tigrinus</i> . <i>Chemoecology</i> , 2012, 22, 199-206.	0.6	30
107	Amorfrutins are potent antidiabetic dietary natural products. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7257-7262.	3.3	177
108	Correlating Secondary Metabolite Production with Genetic Changes Using Differential Analysis of 2D NMR Spectra. , 2012, 944, 207-219.		5

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109	Ascaroside Signaling Is Widely Conserved among Nematodes. <i>Current Biology</i> , 2012, 22, 772-780.	1.8	177
110	Targeted Metabolomics Reveals a Male Pheromone and Sex-Specific Ascaroside Biosynthesis in <i>Caenorhabditis elegans</i> . <i>ACS Chemical Biology</i> , 2012, 7, 1321-1325.	1.6	108
111	Interspecific Nematode Signals Regulate Dispersal Behavior. <i>PLoS ONE</i> , 2012, 7, e38735.	1.1	79
112	Synthesis of Caeliferins, Elicitors of Plant Immune Responses: Accessing Lipophilic Natural Products via Cross Metathesis. <i>Organic Letters</i> , 2011, 13, 5900-5903.	2.4	27
113	Identification of Cryptic Products of the Gliotoxin Gene Cluster Using NMR-Based Comparative Metabolomics and a Model for Gliotoxin Biosynthesis. <i>Journal of the American Chemical Society</i> , 2011, 133, 9678-9681.	6.6	85
114	Microfluidic chamber arrays for whole-organism behavior-based chemical screening. <i>Lab on A Chip</i> , 2011, 11, 3689.	3.1	103
115	Ascaroside Expression in <i>Caenorhabditis elegans</i> Is Strongly Dependent on Diet and Developmental Stage. <i>PLoS ONE</i> , 2011, 6, e17804.	1.1	87
116	NMR-spectroscopic analysis of mixtures: from structure to function. <i>Current Opinion in Chemical Biology</i> , 2011, 15, 38-47.	2.8	96
117	2D NMR-spectroscopic screening reveals polyketides in ladybugs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9753-9758.	3.3	21
118	Insect Natural Products. , 2010, , 67-108.		7
119	NMR " Small Molecules and Analysis of Complex Mixtures. , 2010, , 169-196.		12
120	A shortcut to identifying small molecule signals that regulate behavior and development in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 7708-7713.	3.3	221
121	NMR-spectroscopic screening of spider venom reveals sulfated nucleosides as major components for the brown recluse and related species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14283-14287.	3.3	64
122	A blend of small molecules regulates both mating and development in <i>Caenorhabditis elegans</i> . <i>Nature</i> , 2008, 454, 1115-1118.	13.7	335
123	Dietary sequestration of defensive steroids in nuchal glands of the Asian snake <i>Rhabdophis tigrinus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 2265-2270.	3.3	110
124	Identification of xanthurenic acid 8-O-beta-D-glucoside and xanthurenic acid 8-O-sulfate as human natriuretic hormones. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 17873-17878.	3.3	23
125	The identification of bacillaene, the product of the PksX megacomplex in <i>Bacillus subtilis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 1506-1509.	3.3	240
126	Differential Analysis of 2D NMR Spectra: New Natural Products from a Pilot-Scale Fungal Extract Library. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 901-904.	7.2	59



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127	Small-molecule pheromones that control dauer development in <i>Caenorhabditis elegans</i> . <i>Nature Chemical Biology</i> , 2007, 3, 420-422.	3.9	314
128	Small Molecule Signaling in <i>Caenorhabditis elegans</i> . <i>ACS Chemical Biology</i> , 2006, 1, 198-200.	1.6	16
129	Shunning the night to elude the hunter: diurnal fireflies and the "femmes fatales". <i>Chemoecology</i> , 2006, 16, 39-43.	0.6	16
130	Extending the Scope of NMR Spectroscopy with Microcoil Probes. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7122-7131.	7.2	103
131	Pinoresinol: A lignol of plant origin serving for defense in a caterpillar. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15497-15501.	3.3	73
132	The Psammaphysenes, Specific Inhibitors of FOXO1a Nuclear Export. <i>Journal of Natural Products</i> , 2005, 68, 574-576.	1.5	55
133	Exploring Uncharted Terrain in Nature's Structure Space Using Capillary NMR Spectroscopy: 13 Steroids from 50 Fireflies. <i>Journal of the American Chemical Society</i> , 2005, 127, 10810-10811.	6.6	79
134	Chiral Silylation Reagents: Determining Configuration via NMR-Spectroscopic Coanalysis. <i>Organic Letters</i> , 2004, 6, 3019-3022.	2.4	16
135	A New Approach to Natural Products Discovery Exemplified by the Identification of Sulfated Nucleosides in Spider Venom. <i>Journal of the American Chemical Society</i> , 2004, 126, 10364-10369.	6.6	82
136	Mayolenes: Labile defensive lipids from the glandular hairs of a caterpillar ( <i>Pieris rapae</i> ). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 6822-6827.	3.3	39
137	Synthesis of Mayolene-16 and Mayolene-18: Larval Defensive Lipids from the European Cabbage Butterfly. <i>Journal of Organic Chemistry</i> , 2002, 67, 5896-5900.	1.7	12
138	Chemical defense and aposematism: the case of <i>Utetheisa galapagensis</i> . <i>Chemoecology</i> , 2002, 12, 153-157.	0.6	9
139	Host recognition by the tobacco hornworm is mediated by a host plant compound. <i>Nature</i> , 2001, 411, 186-189.	13.7	89
140	A Combinatorial Library of Macrocyclic Polyamines Produced by a Ladybird Beetle. <i>Journal of the American Chemical Society</i> , 2000, 122, 3628-3634.	6.6	18
141	Chiral Silylation Reagents for the Determination of Absolute Configuration by NMR Spectroscopy. <i>Organic Letters</i> , 2000, 2, 2381-2383.	2.4	22
142	Metabolic transformations of acquired lucibufagins by firefly "femmes fatales". <i>Chemoecology</i> , 1999, 9, 105-112.	0.6	28
143	N-Methylquinolinium 2-carboxylate, a Defensive Betaine from <i>Photuris versicolor</i> Fireflies. <i>Journal of Natural Products</i> , 1999, 62, 378-380.	1.5	19