Gary A Sulikowski

List of Publications by Year
in descending order

80	1,887	218677	302126
papers	citations	26 h-index	39 g-index

90	90	90	2260
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	ML297 (VU0456810), the First Potent and Selective Activator of the GIRK Potassium Channel, Displays Antiepileptic Properties in Mice. ACS Chemical Neuroscience, 2013, 4, 1278-1286.	3.5	135
2	Discovery and Optimization of Potent, Cell-Active Pyrazole-Based Inhibitors of Lactate Dehydrogenase (LDH). Journal of Medicinal Chemistry, 2017, 60, 9184-9204.	6.4	98
3	Synthesis of the Hexasaccharide Fragment of Landomycin A:Â Application of Glycosyl Tetrazoles and Phosphites in the Synthesis of a Deoxyoligosaccharide. Journal of the American Chemical Society, 1998, 120, 1392-1397.	13.7	75
4	Allosteric Antagonism of Insect Odorant Receptor Ion Channels. PLoS ONE, 2012, 7, e30304.	2.5	69
5	One-Pot Synthesis of 2-Deoxy-Î²-oligosaccharides. Organic Letters, 2001, 3, 3523-3525.	4.6	62
6	Structureâ€“Activity Relationship of a Broad-Spectrum Insect Odorant Receptor Agonist. ACS Chemical Biology, 2012, 7, 1647-1652.	3.4	62
7	Total Synthesis of (Â±)â€Haliclonacyclamineâ€…C. Angewandte Chemie - International Edition, 2010, 49, 1599-1602.	13.8	55
8	Investigations into a Biomimetic Approach toward CP-225,917 and CP-263,114. Journal of Organic Chemistry, 2000, 65, 337-342.	3.2	54
9	Synthesis of the Apoptosis Inducing Agent Apoptolidin. Assembly of the C(16)â^'C(28) Fragment. Organic Letters, 2000, 2, 1439-1442.	4.6	54
10	Toward a Stable Apoptolidin Derivative:â€‰ Identification of Isoapoptolidin and Selective Deglycosylation of Apoptolidin. Organic Letters, 2002, 4, 3823-3825.	4.6	47
11	Total Synthesis of Apoptolidinone. Angewandte Chemie - International Edition, 2004, 43, 6673-6675.	13.8	44
12	An Enantioselective 1,2-Aziridinomitosene Synthesis via a Chemoselective Carbonâ^'Hydrogen Insertion Reaction of a Metal Carbene. Journal of Organic Chemistry, 1999, 64, 4224-4225.	3.2	42
13	CYP51 structures and structure-based development of novel, pathogen-specific inhibitory scaffolds. International Journal for Parasitology: Drugs and Drug Resistance, 2012, 2, 178-186.	3.4	42
14	Structural and Chemical Aspects of Resistance to the Antibiotic Fosfomycin Conferred by FosB from Bacillus cereus. Biochemistry, 2013, 52, 7350-7362.	2.5	42
15	Synthesis and Evaluation of the Cytotoxicity of Apoptolidinones A and D. Journal of Organic Chemistry, 2008, 73, 4949-4955.	3.2	40
16	An InÂVivo Chemical Genetic Screen Identifies Phosphodiesterase 4 as a Pharmacological Target for Hedgehog Signaling Inhibition. Cell Reports, 2015, 11, 43-50.	6.4	40
17	Two-Component System Cross-Regulation Integrates Bacillus anthracis Response to Heme and Cell Envelope Stress. PLoS Pathogens, 2014, 10, e1004044.	4.7	39
18	Application of Glycosyltetrazoles in Oligosaccharide Synthesis:Â Assembly of the C3 Trisaccharide Component of the Antibiotic PI-080. Journal of Organic Chemistry, 1996, 61, 6-7.	3.2	38

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19	Molecular Probes for Imaging of Hypoxia in the Retina. Bioconjugate Chemistry, 2014, 25, 2030-2037.	3.6	38
20	Discovering small molecules as Wnt inhibitors that promote heart regeneration and injury repair. Journal of Molecular Cell Biology, 2020, 12, 42-54.	3.3	35
21	Synthesis of Bacillithiol and the Catalytic Selectivity of FosB-Type Fosfomycin Resistance Proteins. Organic Letters, 2012, 14, 5207-5209.	4.6	34
22	Investigations into the Production and Interconversion of Phomoidrides Aâ^'D. Organic Letters, 2001, 3, 1443-1445.	4.6	33
23	Stereocontrolled Synthesis of the DE Ring System of the Marine Alkaloid Upenamide. Organic Letters, 2005, 7, 5163-5165.	4.6	30
24	A Small-Molecule Inhibitor of Iron-Sulfur Cluster Assembly Uncovers a Link between Virulence Regulation and Metabolism in Staphylococcus aureus. Cell Chemical Biology, 2016, 23, 1351-1361.	5.2	30
25	Pyrazole-Based Lactate Dehydrogenase Inhibitors with Optimized Cell Activity and Pharmacokinetic Properties. Journal of Medicinal Chemistry, 2020, 63, 10984-11011.	6.4	30
26	Biosynthesis of the apoptolidins in Nocardiopsis sp. FU 40. Tetrahedron, 2011, 67, 6568-6575.	1.9	29
27	Catalytic activities of mammalian epoxide hydrolases with cis and trans fatty acid epoxides relevant to skin barrier function. Journal of Lipid Research, 2018, 59, 684-695.	4.2	27
28	Studies on the Biosynthesis of Phomoidride B (CP-263,114):â€‰ Evidence for a Decarboxylative Homodimerization Pathway. Organic Letters, 2002, 4, 1447-1450.	4.6	26
29	Screening for AMPA receptor auxiliary subunit specific modulators. PLoS ONE, 2017, 12, e0174742.	2.5	24
30	Diverging Stereochemical Pathways in an Intramolecular Dielsâ^'Alder Reaction Determined by Dienophile Structure. Organic Letters, 2003, 5, 2777-2780.	4.6	22
31	Assignment and Stereocontrol of Hibarimicin Atropoisomers. Organic Letters, 2011, 13, 4538-4541.	4.6	22
32	Discovery and SAR of a novel series of GIRK1/2 and GIRK1/4 activators. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 5195-5198.	2.2	22
33	Development and Validation of a Thallium Flux-Based Functional Assay for the Sodium Channel NaV1.7 and Its Utility for Lead Discovery and Compound Profiling. ACS Chemical Neuroscience, 2015, 6, 871-878.	3.5	22
34	Fluorescent Probes of the Apoptolidins and their Utility in Cellular Localization Studies. Angewandte Chemie - International Edition, 2015, 54, 961-964.	13.8	21
35	A Unified Strategy for the Total Synthesis of the Angucycline Antibiotics SF 2315A, Urdamycinone B, and the Shunt Metabolite 104â€“2. Israel Journal of Chemistry, 1997, 37, 3-22.	2.3	20
36	Apoptolidin family glycomacrolides target leukemia through inhibition of ATP synthase. Nature Chemical Biology, 2022, 18, 360-367.	8.0	20

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37	Dual inhibition of Kif15 by oxindole and quinazolinedione chemical probes. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 148-154.	2.2	19
38	Studies toward the total synthesis of hibarimicinone. Progress on the assembly of the AB- and GH-ring systems. Tetrahedron, 2002, 58, 4403-4409.	1.9	18
39	Antibacterial photosensitization through activation of coproporphyrinogen oxidase. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6652-E6659.	7.1	18
40	Progress toward a Biomimetic Synthesis of Phomoidride B. Organic Letters, 2002, 4, 1451-1454.	4.6	17
41	Synthesis and bioactivity of (Â±)-tetrahydrohaliclonacyclamine A. Tetrahedron, 2010, 66, 4805-4810.	1.9	17
42	A general, enantioselective synthesis of N-alkyl terminal aziridines and C2-functionalized azetidines via organocatalysis. Tetrahedron Letters, 2015, 56, 1276-1279.	1.4	17
43	Combined Chemical and Biosynthetic Route to Access a New Apoptolidin Congener. Organic Letters, 2009, 11, 3032-3034.	4.6	14
44	Bacterial Nitric Oxide Synthase Is Required for the Staphylococcus aureus Response to Heme Stress. ACS Infectious Diseases, 2016, 2, 572-578.	3.8	13
45	Total Synthesis and Biological Activity of the Arachidonic Acid Metabolite Hemiketal E₂. Organic Letters, 2018, 20, 4020-4022.	4.6	13
46	Total Synthesis of Natural(+)-SF 2315A and Determination of the Absolute Configuration. Angewandte Chemie International Edition in English, 1995, 34, 2396-2398.	4.4	12
47	Light-Induced Isomerization of Apoptolidin A leads to Inversion of C2â^'C3 Double Bond Geometry. Organic Letters, 2010, 12, 2944-2947.	4.6	12
48	Synthesis of the Siderophore Coelichelin and Its Utility as a Probe in the Study of Bacterial Metal Sensing and Response. Organic Letters, 2019, 21, 679-682.	4.6	12
49	Studies into the Stereoselectivity of Tartrate-Derived Dienophiles. Organic Letters, 2005, 7, 1687-1689.	4.6	11
50	Straightforward protocol for the efficient synthesis of varied N1-acylated (aza)indole 2-/3-alkanoic acids and esters: optimization and scale-up. Tetrahedron, 2012, 68, 10049-10058.	1.9	11
51	Narrow SAR in odorant sensing Orco receptor agonists. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 2613-2616.	2.2	10
52	Decoupling Activation of Heme Biosynthesis from Anaerobic Toxicity in a Molecule Active in Staphylococcus aureus. ACS Chemical Biology, 2016, 11, 1354-1361.	3.4	10
53	Rhodol-based thallium sensors for cellular imaging of potassium channel activity. Organic and Biomolecular Chemistry, 2018, 16, 5575-5579.	2.8	10
54	Synthesis of a Bicyclobutane Fatty Acid Identified from the Cyanobacterium Anabaena PCC 7120. Angewandte Chemie - International Edition, 2011, 50, 9940-9942.	13.8	8

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55	A Small-Molecule Modulator of Metal Homeostasis in Gram-Positive Pathogens. MBio, 2020, 11, .	4.1	8
56	Totalsynthese von (+)â€SF 2315A und Bestimmung der absoluten Konfiguration dieses Naturstoffs. Angewandte Chemie, 1995, 107, 2587-2589.	2.0	7
57	Studies on the Synthesis of Apoptolidin: Progress on the Stereocontrolled Assembly of the Pseudo Aglycone of Apoptolidin. European Journal of Organic Chemistry, 2006, 2006, 277-284.	2.4	7
58	Studies on a biomimetic oxidative dimerization approach to the hibarimicins. Tetrahedron Letters, 2015, 56, 3617-3619.	1.4	7
59	VU6036720: The First Potent and Selective In Vitro Inhibitor of Heteromeric Kir4.1/5.1 Inward Rectifier Potassium Channels. Molecular Pharmacology, 2022, 101, 357-370.	2.3	7
60	¹⁸O Assisted Analysis of a Î³,Î´-Epoxyketone Cyclization: Synthesis of the C16â^'C28 Fragment of Ammocidin D. Organic Letters, 2011, 13, 756-759.	4.6	6
61	A convergent, scalable and stereoselective synthesis of azole CYP51 inhibitors. Tetrahedron Letters, 2017, 58, 4248-4250.	1.4	5
62	A new multi-gram synthetic route to labeling precursors for the D2/3 PET agent 18F-fallypride. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 4467-4469.	2.2	4
63	Chirality Relay To Access Oxygenated Angular Aromatic Polyketides. Angewandte Chemie - International Edition, 2009, 48, 6005-6007.	13.8	4
64	Synthetic studies directed toward the AB decalin common to HMP-Y1 and hibarimicinone. Tetrahedron Letters, 2014, 55, 2157-2159.	1.4	4
65	Selective Activation of N,Nâ€²â€Diacyl Rhodamine Proâ€fluorophores Paired with Releasing Enzyme, Porcine Liver Esterase (PLE). Chemistry - A European Journal, 2018, 24, 8985-8988.	3.3	4
66	Stereocontrolled synthesis of four isomeric linoleate triols of relevance to skin barrier formation and function. Tetrahedron Letters, 2018, 59, 4571-4573.	1.4	4
67	Synthesis of 9-Dechlorochrysophaentin A Enables Studies Revealing Bacterial Cell Wall Biosynthesis Inhibition Phenotype in B. subtilis. Journal of the American Chemical Society, 2020, 142, 16161-16166.	13.7	4
68	Selective measurement of NAPE-PLD activity via a PLA1/2-resistant fluorogenic N-acyl-phosphatidylethanolamine analog. Journal of Lipid Research, 2022, 63, 100156.	4.2	4
69	A concise Dielsâ€"Alder strategy leading to congeners of the ABC ring system of the marine alkaloid â€˜upenamide. Tetrahedron Letters, 2016, 57, 3252-3253.	1.4	3
70	Simple start for complex products. Nature Chemistry, 2019, 11, 297-298.	13.6	3
71	Synthesis of a Human Urinary Metabolite of Prostaglandin D₂. Organic Letters, 2019, 21, 10048-10051.	4.6	3
72	Identification of a selective manganese ionophore that enables nonlethal quantification of cellular manganese. Journal of Biological Chemistry, 2020, 295, 3875-3890.	3.4	3

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73	Synthesis of tetranor-PGE1: A urinary metabolite of prostaglandins E1 and E2. Tetrahedron Letters, 2020, 61, 151922.	1.4	2
74	An improved synthesis of hemichrysophaentin-AB fragment of chrysophaentin A. Tetrahedron Letters, 2020, 61, 151856.	1.4	2
75	Optimization of ether and aniline based inhibitors of lactate dehydrogenase. Bioorganic and Medicinal Chemistry Letters, 2021, 41, 127974.	2.2	2
76	Site-Specific Synthesis of Oligonucleotides Containing 6-Oxo-M₁dG, the Genomic Metabolite of M₁dG, and Liquid Chromatographyâ€“Tandem Mass Spectrometry Analysis of Its In Vitro Bypass by Human Polymerase Î¹. Chemical Research in Toxicology, 2021, 34, 2567-2578.	3.3	2
77	An unexpected effect of acetal stereochemistry on the course of its reductive cleavage. Tetrahedron Letters, 2016, 57, 3254-3255.	1.4	1
78	The use of fluorescently-tagged apoptolidins in cellular uptake and response studies. Journal of Antibiotics, 2016, 69, 327-330.	2.0	0
79	Ten-Year Retrospective of the Vanderbilt Institute of Chemical Biology Chemical Synthesis Core. ACS Chemical Biology, 2021, 16, 787-793.	3.4	0
80	Screen for Small-Molecule Modulators of Circadian Rhythms Reveals Phenazine as a Redox-State Modifying Clockwork Tuner. ACS Chemical Biology, 2022, 17, 1658-1664.	3.4	0