

Gary A Sulikowski

List of Publications by Year in descending order

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80
papers

1,887
citations

218677

26
h-index

302126

39
g-index

90
all docs

90
docs citations

90
times ranked

2260
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective measurement of NAPE-PLD activity via a PLA1/2-resistant fluorogenic N-acyl-phosphatidylethanolamine analog. <i>Journal of Lipid Research</i> , 2022, 63, 100156.	4.2	4
2	Apoptolidin family glycomacrolides target leukemia through inhibition of ATP synthase. <i>Nature Chemical Biology</i> , 2022, 18, 360-367.	8.0	20
3	VU6036720: The First Potent and Selective In Vitro Inhibitor of Heteromeric Kir4.1/5.1 Inward Rectifier Potassium Channels. <i>Molecular Pharmacology</i> , 2022, 101, 357-370.	2.3	7
4	Screen for Small-Molecule Modulators of Circadian Rhythms Reveals Phenazine as a Redox-State Modifying Clockwork Tuner. <i>ACS Chemical Biology</i> , 2022, 17, 1658-1664.	3.4	0
5	Ten-Year Retrospective of the Vanderbilt Institute of Chemical Biology Chemical Synthesis Core. <i>ACS Chemical Biology</i> , 2021, 16, 787-793.	3.4	0
6	Optimization of ether and aniline based inhibitors of lactate dehydrogenase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 41, 127974.	2.2	2
7	Site-Specific Synthesis of Oligonucleotides Containing 6-Oxo-M ₁ dG, the Genomic Metabolite of M ₁ dG, and Liquid Chromatography-Tandem Mass Spectrometry Analysis of Its In Vitro Bypass by Human Polymerase β . <i>Chemical Research in Toxicology</i> , 2021, 34, 2567-2578.	3.3	2
8	Discovering small molecules as Wnt inhibitors that promote heart regeneration and injury repair. <i>Journal of Molecular Cell Biology</i> , 2020, 12, 42-54.	3.3	35
9	A Small-Molecule Modulator of Metal Homeostasis in Gram-Positive Pathogens. <i>MBio</i> , 2020, 11, .	4.1	8
10	Synthesis of 9-Dechlorochrysopaentin A Enables Studies Revealing Bacterial Cell Wall Biosynthesis Inhibition Phenotype in <i>B. subtilis</i> . <i>Journal of the American Chemical Society</i> , 2020, 142, 16161-16166.	13.7	4
11	Pyrazole-Based Lactate Dehydrogenase Inhibitors with Optimized Cell Activity and Pharmacokinetic Properties. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 10984-11011.	6.4	30
12	Identification of a selective manganese ionophore that enables nonlethal quantification of cellular manganese. <i>Journal of Biological Chemistry</i> , 2020, 295, 3875-3890.	3.4	3
13	Synthesis of tetranor-PGE1: A urinary metabolite of prostaglandins E1 and E2. <i>Tetrahedron Letters</i> , 2020, 61, 151922.	1.4	2
14	An improved synthesis of hemichrysopaentin-AB fragment of chrysopaentin A. <i>Tetrahedron Letters</i> , 2020, 61, 151856.	1.4	2
15	Simple start for complex products. <i>Nature Chemistry</i> , 2019, 11, 297-298.	13.6	3
16	Synthesis of a Human Urinary Metabolite of Prostaglandin D ₂ . <i>Organic Letters</i> , 2019, 21, 10048-10051.	4.6	3
17	Synthesis of the Siderophore Coelichelin and Its Utility as a Probe in the Study of Bacterial Metal Sensing and Response. <i>Organic Letters</i> , 2019, 21, 679-682.	4.6	12
18	Dual inhibition of Kif15 by oxindole and quinazolinone chemical probes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 148-154.	2.2	19

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19	Catalytic activities of mammalian epoxide hydrolases with cis and trans fatty acid epoxides relevant to skin barrier function. <i>Journal of Lipid Research</i> , 2018, 59, 684-695.	4.2	27
20	Selective Activation of <i>N,N</i> -Diacyl Rhodamine Profluorophores Paired with Releasing Enzyme, Porcine Liver Esterase (PLE). <i>Chemistry - A European Journal</i> , 2018, 24, 8985-8988.	3.3	4
21	Stereocontrolled synthesis of four isomeric linoleate triols of relevance to skin barrier formation and function. <i>Tetrahedron Letters</i> , 2018, 59, 4571-4573.	1.4	4
22	Rhodol-based thallium sensors for cellular imaging of potassium channel activity. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 5575-5579.	2.8	10
23	Total Synthesis and Biological Activity of the Arachidonic Acid Metabolite Hemiketal E ₂ . <i>Organic Letters</i> , 2018, 20, 4020-4022.	4.6	13
24	A convergent, scalable and stereoselective synthesis of azole CYP51 inhibitors. <i>Tetrahedron Letters</i> , 2017, 58, 4248-4250.	1.4	5
25	Antibacterial photosensitization through activation of coproporphyrinogen oxidase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E6652-E6659.	7.1	18
26	Discovery and Optimization of Potent, Cell-Active Pyrazole-Based Inhibitors of Lactate Dehydrogenase (LDH). <i>Journal of Medicinal Chemistry</i> , 2017, 60, 9184-9204.	6.4	98
27	Screening for AMPA receptor auxiliary subunit specific modulators. <i>PLoS ONE</i> , 2017, 12, e0174742.	2.5	24
28	An unexpected effect of acetal stereochemistry on the course of its reductive cleavage. <i>Tetrahedron Letters</i> , 2016, 57, 3254-3255.	1.4	1
29	Bacterial Nitric Oxide Synthase Is Required for the <i>Staphylococcus aureus</i> Response to Heme Stress. <i>ACS Infectious Diseases</i> , 2016, 2, 572-578.	3.8	13
30	A Small-Molecule Inhibitor of Iron-Sulfur Cluster Assembly Uncovers a Link between Virulence Regulation and Metabolism in <i>Staphylococcus aureus</i> . <i>Cell Chemical Biology</i> , 2016, 23, 1351-1361.	5.2	30
31	A concise Diels-Alder strategy leading to congeners of the ABC ring system of the marine alkaloid upenamide. <i>Tetrahedron Letters</i> , 2016, 57, 3252-3253.	1.4	3
32	The use of fluorescently-tagged apoptolidins in cellular uptake and response studies. <i>Journal of Antibiotics</i> , 2016, 69, 327-330.	2.0	0
33	Decoupling Activation of Heme Biosynthesis from Anaerobic Toxicity in a Molecule Active in <i>Staphylococcus aureus</i> . <i>ACS Chemical Biology</i> , 2016, 11, 1354-1361.	3.4	10
34	An In Vivo Chemical Genetic Screen Identifies Phosphodiesterase 4 as a Pharmacological Target for Hedgehog Signaling Inhibition. <i>Cell Reports</i> , 2015, 11, 43-50.	6.4	40
35	Studies on a biomimetic oxidative dimerization approach to the hibarimicins. <i>Tetrahedron Letters</i> , 2015, 56, 3617-3619.	1.4	7
36	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. <i>ACS Chemical Neuroscience</i> , 2015, 6, 871-878.	3.5	22

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37	A general, enantioselective synthesis of N-alkyl terminal aziridines and C2-functionalized azetidines via organocatalysis. <i>Tetrahedron Letters</i> , 2015, 56, 1276-1279.	1.4	17
38	Fluorescent Probes of the Apoptolidins and their Utility in Cellular Localization Studies. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 961-964.	13.8	21
39	Two-Component System Cross-Regulation Integrates <i>Bacillus anthracis</i> Response to Heme and Cell Envelope Stress. <i>PLoS Pathogens</i> , 2014, 10, e1004044.	4.7	39
40	Synthetic studies directed toward the AB decalin common to HMP-Y1 and hibarimicinone. <i>Tetrahedron Letters</i> , 2014, 55, 2157-2159.	1.4	4
41	Narrow SAR in odorant sensing Orco receptor agonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 2613-2616.	2.2	10
42	Molecular Probes for Imaging of Hypoxia in the Retina. <i>Bioconjugate Chemistry</i> , 2014, 25, 2030-2037.	3.6	38
43	Structural and Chemical Aspects of Resistance to the Antibiotic Fosfomycin Conferred by FosB from <i>Bacillus cereus</i> . <i>Biochemistry</i> , 2013, 52, 7350-7362.	2.5	42
44	Discovery and SAR of a novel series of GIRK1/2 and GIRK1/4 activators. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 5195-5198.	2.2	22
45	ML297 (VU0456810), the First Potent and Selective Activator of the GIRK Potassium Channel, Displays Antiepileptic Properties in Mice. <i>ACS Chemical Neuroscience</i> , 2013, 4, 1278-1286.	3.5	135
46	CYP51 structures and structure-based development of novel, pathogen-specific inhibitory scaffolds. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2012, 2, 178-186.	3.4	42
47	Structure-Activity Relationship of a Broad-Spectrum Insect Odorant Receptor Agonist. <i>ACS Chemical Biology</i> , 2012, 7, 1647-1652.	3.4	62
48	Synthesis of Bacillithiol and the Catalytic Selectivity of FosB-Type Fosfomycin Resistance Proteins. <i>Organic Letters</i> , 2012, 14, 5207-5209.	4.6	34
49	Straightforward protocol for the efficient synthesis of varied N1-acylated (aza)indole 2/3-alkanoic acids and esters: optimization and scale-up. <i>Tetrahedron</i> , 2012, 68, 10049-10058.	1.9	11
50	Allosteric Antagonism of Insect Odorant Receptor Ion Channels. <i>PLoS ONE</i> , 2012, 7, e30304.	2.5	69
51	¹⁸ O Assisted Analysis of a ¹³ C, ¹⁵ N-Epoxyketone Cyclization: Synthesis of the C16-C28 Fragment of Ammocidin D. <i>Organic Letters</i> , 2011, 13, 756-759.	4.6	6
52	Assignment and Stereocontrol of Hibarimicin Atropoisomers. <i>Organic Letters</i> , 2011, 13, 4538-4541.	4.6	22
53	Synthesis of a Bicyclobutane Fatty Acid Identified from the Cyanobacterium <i>Anabaena</i> PCC 7120. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9940-9942.	13.8	8
54	Biosynthesis of the apoptolidins in <i>Nocardopsis</i> sp. FU 40. <i>Tetrahedron</i> , 2011, 67, 6568-6575.	1.9	29

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55	Total Synthesis of (±)-Haliclonyclamine. C. Angewandte Chemie - International Edition, 2010, 49, 1599-1602.	13.8	55
56	Synthesis and bioactivity of (±)-tetrahydrohaliclonyclamine A. Tetrahedron, 2010, 66, 4805-4810.	1.9	17
57	Light-Induced Isomerization of Apoptolidin A leads to Inversion of C2~C3 Double Bond Geometry. Organic Letters, 2010, 12, 2944-2947.	4.6	12
58	Chirality Relay To Access Oxygenated Angular Aromatic Polyketides. Angewandte Chemie - International Edition, 2009, 48, 6005-6007.	13.8	4
59	Combined Chemical and Biosynthetic Route to Access a New Apoptolidin Congener. Organic Letters, 2009, 11, 3032-3034.	4.6	14
60	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
61	Synthesis and Evaluation of the Cytotoxicity of Apoptolidinones A and D. Journal of Organic Chemistry, 2008, 73, 4949-4955.	3.2	40
62	Studies on the Synthesis of Apoptolidin: Progress on the Stereocontrolled Assembly of the Pseudo Glycone of Apoptolidin. European Journal of Organic Chemistry, 2006, 2006, 277-284.	2.4	7
63	Studies into the Stereoselectivity of Tartrate-Derived Dienophiles. Organic Letters, 2005, 7, 1687-1689.	4.6	11
64	Stereocontrolled Synthesis of the DE Ring System of the Marine Alkaloid Upenamamide. Organic Letters, 2005, 7, 5163-5165.	4.6	30
65	Total Synthesis of Apoptolidinone. Angewandte Chemie - International Edition, 2004, 43, 6673-6675.	13.8	44
66	Diverging Stereochemical Pathways in an Intramolecular Diels~Alder Reaction Determined by Dienophile Structure. Organic Letters, 2003, 5, 2777-2780.	4.6	22
67	Studies on the Biosynthesis of Phomoidride B (CP-263,114): Evidence for a Decarboxylative Homodimerization Pathway. Organic Letters, 2002, 4, 1447-1450.	4.6	26
68	Toward a Stable Apoptolidin Derivative: Identification of Isoapoptolidin and Selective Deglycosylation of Apoptolidin. Organic Letters, 2002, 4, 3823-3825.	4.6	47
69	Progress toward a Biomimetic Synthesis of Phomoidride B. Organic Letters, 2002, 4, 1451-1454.	4.6	17
70	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
71	One-Pot Synthesis of 2-Deoxy-~2-oligosaccharides. Organic Letters, 2001, 3, 3523-3525.	4.6	62
72	Investigations into the Production and Interconversion of Phomoidrides A~D. Organic Letters, 2001, 3, 1443-1445.	4.6	33

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73	Investigations into a Biomimetic Approach toward CP-225,917 and CP-263,114. <i>Journal of Organic Chemistry</i> , 2000, 65, 337-342.	3.2	54
74	Synthesis of the Apoptosis Inducing Agent Apoptolidin. Assembly of the C(16)~C(28) Fragment. <i>Organic Letters</i> , 2000, 2, 1439-1442.	4.6	54
75	An Enantioselective 1,2-Aziridinomitosene Synthesis via a Chemoselective Carbon~Hydrogen Insertion Reaction of a Metal Carbene. <i>Journal of Organic Chemistry</i> , 1999, 64, 4224-4225.	3.2	42
76	Synthesis of the Hexasaccharide Fragment of Landomycin A:~ Application of Glycosyl Tetrazoles and Phosphites in the Synthesis of a Deoxyoligosaccharide. <i>Journal of the American Chemical Society</i> , 1998, 120, 1392-1397.	13.7	75
77	A Unified Strategy for the Total Synthesis of the Angucycline Antibiotics SF 2315A, Urdamycinone B, and the Shunt Metabolite 104~2. <i>Israel Journal of Chemistry</i> , 1997, 37, 3-22.	2.3	20
78	Application of Glycosyltetrazoles in Oligosaccharide Synthesis:~ Assembly of the C3 Trisaccharide Component of the Antibiotic PI-080. <i>Journal of Organic Chemistry</i> , 1996, 61, 6-7.	3.2	38
79	Totalsynthese von (+)~SF 2315A und Bestimmung der absoluten Konfiguration dieses Naturstoffs. <i>Angewandte Chemie</i> , 1995, 107, 2587-2589.	2.0	7
80	Total Synthesis of Natural(+)-SF 2315A and Determination of the Absolute Configuration. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 2396-2398.	4.4	12