

# Gang Liu

## List of Publications by Year in descending order

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74  
papers

2,123  
citations

236612

25  
h-index

264894

42  
g-index

78  
all docs

78  
docs citations

78  
times ranked

3691  
citing authors

#	ARTICLE	IF	CITATIONS
1	Immunodominant SARS Coronavirus Epitopes in Humans Elicited both Enhancing and Neutralizing Effects on Infection in Non-human Primates. <i>ACS Infectious Diseases</i> , 2016, 2, 361-376.	1.8	265
2	Serpine 1 induces alveolar type II cell senescence through activating p53/p21 pathway in fibrotic lung disease. <i>Aging Cell</i> , 2017, 16, 1114-1124.	3.0	146
3	Fibroblast Growth Factor 2 Promotes Endothelial Differentiation of Adipose Tissue-Derived Stem Cells. <i>Journal of Sexual Medicine</i> , 2009, 6, 967-979.	0.3	108
4	Ferredoxin reductase is critical for p53-dependent tumor suppression via iron regulatory protein 2. <i>Genes and Development</i> , 2017, 31, 1243-1256.	2.7	97
5	Past, Current, and Future Developments of Therapeutic Agents for Treatment of Chronic Hepatitis B Virus Infection. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 6461-6479.	2.9	72
6	Cell senescence and fibrotic lung diseases. <i>Experimental Gerontology</i> , 2020, 132, 110836.	1.2	71
7	Synthetic Calanolides with Bactericidal Activity against Replicating and Nonreplicating <i>Mycobacterium tuberculosis</i> . <i>Journal of Medicinal Chemistry</i> , 2014, 57, 3755-3772.	2.9	69
8	Module-based multiscale simulation of angiogenesis in skeletal muscle. <i>Theoretical Biology and Medical Modelling</i> , 2011, 8, 6.	2.1	60
9	Whole Cell Screen for Inhibitors of pH Homeostasis in <i>Mycobacterium tuberculosis</i> . <i>PLoS ONE</i> , 2013, 8, e68942.	1.1	60
10	Prorenin induces vascular smooth muscle cell proliferation and hypertrophy via epidermal growth factor receptor-mediated extracellular signal-regulated kinase and Akt activation pathway. <i>Journal of Hypertension</i> , 2011, 29, 696-705.	0.3	43
11	Benzimidazole-based compounds kill <i>Mycobacterium tuberculosis</i> . <i>European Journal of Medicinal Chemistry</i> , 2014, 75, 336-353.	2.6	43
12	Age-associated Iron Accumulation in Bone: Implications for Postmenopausal Osteoporosis and a New Target for Prevention and Treatment by Chelation. <i>BioMetals</i> , 2006, 19, 245-251.	1.8	42
13	Abnormal P-wave terminal force in lead V1 is associated with cardiac death or hospitalization for heart failure in prior myocardial infarction. <i>Heart and Vessels</i> , 2013, 28, 690-695.	0.5	40
14	Synthesis of Benzofused Five-Ring Sultams via Rh-Catalyzed C-H Olefination Directed by an N-Ac-Substituted Sulfonamide Group. <i>Journal of Organic Chemistry</i> , 2015, 80, 790-798.	1.7	37
15	Effects of Fiber Type and Size on the Heterogeneity of Oxygen Distribution in Exercising Skeletal Muscle. <i>PLoS ONE</i> , 2012, 7, e44375.	1.1	37
16	Benzothiazoles exhibit broad-spectrum antitumor activity: Their potency, structure-activity and structure-metabolism relationships. <i>European Journal of Medicinal Chemistry</i> , 2014, 76, 67-78.	2.6	36
17	Mechanical stretch augments insulin-induced vascular smooth muscle cell proliferation by insulin-like growth factor-1 receptor. <i>Experimental Cell Research</i> , 2011, 317, 2420-2428.	1.2	33
18	Conjugate (MTC-220) of Muramyl Dipeptide Analogue and Paclitaxel Prevents Both Tumor Growth and Metastasis in Mice. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 2767-2777.	2.9	32

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19	Sinomenine attenuates chronic inflammatory pain in mice. <i>Metabolic Brain Disease</i> , 2017, 32, 211-219.	1.4	32
20	Cp*Co<sup>III</sup>-catalyzed formal [4+2] cycloaddition of benzamides to afford quinazolinone derivatives. <i>Chemical Communications</i> , 2019, 55, 13840-13843.	2.2	30
21	High sodium augments angiotensin II-induced vascular smooth muscle cell proliferation through the ERK 1/2-dependent pathway. <i>Hypertension Research</i> , 2014, 37, 13-18.	1.5	28
22	Antagonizing NOD2 Signaling with Conjugates of Paclitaxel and Muramyl Dipeptide Derivatives Sensitizes Paclitaxel Therapy and Significantly Prevents Tumor Metastasis. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 1219-1224.	2.9	28
23	IMM-H004, a novel coumarin derivative, protects against oxygen-and glucose-deprivation/restoration-induced apoptosis in PC12 cells. <i>European Journal of Pharmacology</i> , 2014, 723, 259-266.	1.7	27
24	Biological and Mechanistic Characterization of Novel Prodrugs of Green Tea Polyphenol Epigallocatechin Gallate Analogs in Human Leiomyoma Cell Lines. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 2357-2369.	1.2	27
25	Discovery of Potent Inhibitors against P-Glycoprotein-Mediated Multidrug Resistance Aided by Late-Stage Functionalization of a 2-(4-(Pyridin-2-yl)phenoxy)pyridine Analogue. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 5458-5476.	2.9	27
26	Solution-Phase Parallel Synthesis of Diverse 1,5-Benzodiazepin-2-ones. <i>ACS Combinatorial Science</i> , 2007, 9, 1164-1176.	3.3	25
27	Monocyte Chemotactic Protein-induced Protein 1 and 4 Form a Complex but Act Independently in Regulation of Interleukin-6 mRNA Degradation. <i>Journal of Biological Chemistry</i> , 2015, 290, 20782-20792.	1.6	25
28	Auxiliary-Assisted Palladium-Catalyzed Direct C(sp <sup>3</sup> )â€“H Sulfonamidation To Afford 1,2-Amino Alcohol Derivatives. <i>Journal of Organic Chemistry</i> , 2017, 82, 3864-3872.	1.7	25
29	Chemical conjugation of muramyl dipeptide and paclitaxel to explore the combination of immunotherapy and chemotherapy for cancer. <i>Glycoconjugate Journal</i> , 2008, 25, 415-425.	1.4	23
30	Palladium-Catalyzed Regioselective Câ€“H Functionalization of Arenes Substituted by Two <i>N</i>-Heterocycles and Application in Late-Stage Functionalization. <i>Journal of Organic Chemistry</i> , 2018, 83, 3987-4001.	1.7	23
31	Rare Copy Number Variants Identify Novel Genes in Sporadic Total Anomalous Pulmonary Vein Connection. <i>Frontiers in Genetics</i> , 2018, 9, 559.	1.1	23
32	Therapeutic Effects of an Oral Chelator Targeting Skeletal Tissue Damage in Experimental Postmenopausal Osteoporosis in Rats. <i>Hemoglobin</i> , 2008, 32, 181-190.	0.4	21
33	Synthesis of Quaternary Î±-Fluorinated Î±-Amino Acid Derivatives via Coordinating Cu(II) Catalytic Î±-C(sp <sup>3</sup> )â€“H Direct Fluorination. <i>Organic Letters</i> , 2018, 20, 7100-7103.	2.4	21
34	Rickettsiae in the common pipistrelle <i>Pipistrellus pipistrellus</i> (Chiroptera: Vespertilionidae) and the bat soft tick <i>Argas vespertilionis</i> (Ixodida: Argasidae). <i>Parasites and Vectors</i> , 2020, 13, 10.	1.0	21
35	A Novel Immunostimulator, N2-[Î±-O-Benzyl-N-(acetylmuramyl)-l-alanyl-d-isoglutaminyl]-N6-trans-(m-nitrocinnamoyl)-l-lysine, and Its Adjuvancy on the Hepatitis B Surface Antigen. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 5112-5122.	2.9	20
36	Mechanical stretch potentiates angiotensin II-induced proliferation in spontaneously hypertensive rat vascular smooth muscle cells. <i>Hypertension Research</i> , 2010, 33, 1250-1257.	1.5	20

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37	Identification of a Mycothiol-Dependent Nitroreductase from <i>Mycobacterium tuberculosis</i> . ACS Infectious Diseases, 2018, 4, 771-787.	1.8	19
38	Discovery of (1 <i>H</i> -Pyrazolo[3,4- <i>c</i> ]pyridin-5-yl)sulfonamide Analogues as Hepatitis B Virus Capsid Assembly Modulators by Conformation Constraint. Journal of Medicinal Chemistry, 2020, 63, 6066-6089.	2.9	19
39	Ruthenium-Catalyzed Selectively Oxidative C=C Alkenylation of <i>N</i> -Acyated Aryl Sulfonamides by Using Molecular Oxygen as an Oxidant. Journal of Organic Chemistry, 2020, 85, 5916-5926.	1.7	19
40	Solid-phase synthesis of muramyl dipeptide (mdp) derivatives using a multipin method. Bioorganic and Medicinal Chemistry Letters, 2000, 10, 1361-1363.	1.0	18
41	Solution-Phase Parallel Synthesis of 2,3-Dihydro-1,5-benzothiazepin-4(5 <i>H</i> )-ones. ACS Combinatorial Science, 2007, 9, 756-772.	3.3	18
42	Discovery of 1,4-Benzodiazepine-2,5-dione (BZD) Derivatives as Dual Nucleotide Binding Oligomerization Domain Containing 1/2 (NOD1/NOD2) Antagonists Sensitizing Paclitaxel (PTX) To Suppress Lewis Lung Carcinoma (LLC) Growth in Vivo. Journal of Medicinal Chemistry, 2017, 60, 5162-5192.	2.9	18
43	Osteoprotective effects of estrogen membrane receptor GPR30 in ovariectomized rats. Journal of Steroid Biochemistry and Molecular Biology, 2015, 154, 237-244.	1.2	17
44	Depth-Resolved Enhanced Spectral-Domain OCT Imaging of Live Mammalian Embryos Using Gold Nanoparticles as Contrast Agent. Small, 2019, 15, e1902346.	5.2	16
45	Discovery of New Hepatitis B Virus Capsid Assembly Modulators by an Optimal High-Throughput Cell-Based Assay. ACS Infectious Diseases, 2019, 5, 778-787.	1.8	15
46	Rickettsiae in red fox ( <i>Vulpes vulpes</i> ), marbled polecat ( <i>Vormela peregusna</i> ) and their ticks in northwestern China. Parasites and Vectors, 2021, 14, 204.	1.0	15
47	New muramyl dipeptide (MDP) mimics without the carbohydrate moiety as potential adjuvant candidates for a therapeutic hepatitis B vaccine (HBV). Bioorganic and Medicinal Chemistry Letters, 2011, 21, 4292-4295.	1.0	13
48	Identification of Rv3852 as an Agrimophol-Binding Protein in <i>Mycobacterium tuberculosis</i> . PLoS ONE, 2015, 10, e0126211.	1.1	13
49	Modified calanolides incorporated with furan-2-nitro mimics against <i>Mycobacterium tuberculosis</i> . Bioorganic and Medicinal Chemistry Letters, 2015, 25, 1297-1300.	1.0	13
50	Salutaxel, a Conjugate of Docetaxel and a Muramyl Dipeptide (MDP) Analogue, Acts as Multifunctional Prodrug That Inhibits Tumor Growth and Metastasis. Journal of Medicinal Chemistry, 2018, 61, 1519-1540.	2.9	13
51	Divergent Regulation of Alveolar Type 2 Cell and Fibroblast Apoptosis by Plasminogen Activator Inhibitor 1 in Lung Fibrosis. American Journal of Pathology, 2021, 191, 1227-1239.	1.9	13
52	Theileria, Hepatozoon and Taenia infection in great gerbils ( <i>Rhombomys opimus</i> ) in northwestern China. International Journal for Parasitology: Parasites and Wildlife, 2021, 15, 79-86.	0.6	12
53	Synthesis of 2-Alkyl-3-hydroxy-4-pyridinone-ribonucleosides, Potential Oral Iron Chelators. Nucleosides & Nucleotides, 1995, 14, 1901-1904.	0.5	10
54	Derivatives of Natural Product Agrimophol as Disruptors of Intrabacterial pH Homeostasis in <i>Mycobacterium tuberculosis</i> . ACS Infectious Diseases, 2019, 5, 1087-1104.	1.8	10

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55	Copper-Catalyzed Direct C(sp <sup>3</sup> )-H Alkoxylation to Access Quaternary $\beta$ -Alkoxyated Amino Acid Derivatives. <i>Organic Letters</i> , 2020, 22, 5796-5800.	2.4	10
56	Lysine $\beta$ -Hydroxybutyrylation Improves Stability of COVID-19 Antibody. <i>Biomacromolecules</i> , 2022, 23, 454-463.	2.6	10
57	Nitrooxidoreductase Rv2466c-Dependent Fluorescent Probe for <i>Mycobacterium tuberculosis</i> Diagnosis and Drug Susceptibility Testing. <i>ACS Infectious Diseases</i> , 2019, 5, 949-961.	1.8	9
58	"Meshed-Bag Gathered-Bunch" Method for Solid-Phase Synthesis of Small Molecular Diverse Compounds. <i>ACS Combinatorial Science</i> , 2002, 4, 131-137.	3.3	8
59	Identification of 3,5,6-substituted indolin-2-one™s inhibitors of Aurora B by development of a luminescent kinase assay. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2937-2942.	1.0	7
60	Copper-catalyzed ligand-free amidation of aryl iodides and amino acid amides to synthesize C3-(Z)-1H-benzo[e][1,4]diazepin-2(3H)-ones. <i>Molecular Diversity</i> , 2015, 19, 695-701.	2.1	7
61	Identification of benzofused five-membered sultams, potent dual NOD1/NOD2 antagonists <i>in vitro</i> and <i>in vivo</i> . <i>European Journal of Medicinal Chemistry</i> , 2020, 204, 112575.	2.6	7
62	Detecting <i>Mycobacterium Tuberculosis</i> using a nitrofuranyl calanolide-trehalose probe based on nitroreductase Rv2466c. <i>Chemical Communications</i> , 2021, 57, 13174-13177.	2.2	7
63	Discovery and Characterization of a Biologically Active Non-ATP-Competitive p38 MAP Kinase Inhibitor. <i>Journal of Biomolecular Screening</i> , 2016, 21, 277-289.	2.6	6
64	Kinetics and mechanisms of Fe(III) complexation by lipophilic 3-hydroxy-2-methyl-1( $\beta$ -stearoamidopropyl)-4-pyridinone (HMSP). <i>Journal of Biological Inorganic Chemistry</i> , 1997, 2, 728-743.	1.1	5
65	In Vitro Ubiquitination Platform Identifies Methyl Ellipticiniums as Ubiquitin Ligase Inhibitors. <i>SLAS Discovery</i> , 2021, 26, 870-884.	1.4	5
66	A Natural Lipotrisaccharide and Its Derivatives Selectively Lyse <i>Streptococcus pneumoniae</i> via Interaction with Cell Membrane. <i>ACS Infectious Diseases</i> , 2017, 3, 438-453.	1.8	4
67	Assessment of a Highly Multiplexed RNA Sequencing Platform and Comparison to Existing High-Throughput Gene Expression Profiling Techniques. <i>Frontiers in Genetics</i> , 2019, 10, 150.	1.1	4
68	Nonpeptidic quinazolinone derivatives as dual nucleotide-binding oligomerization domain-like receptor 1/2 antagonists for adjuvant cancer chemotherapy. <i>European Journal of Medicinal Chemistry</i> , 2020, 207, 112723.	2.6	4
69	Genetic Diversity of Hard Ticks (Acari: Ixodidae) in the South and East Regions of Kazakhstan and Northwestern China. <i>Korean Journal of Parasitology</i> , 2021, 59, 103-108.	0.5	4
70	Scalable total synthesis of a mycobactin T analogue utilizing a novel synthetic and protection strategy. <i>Organic Chemistry Frontiers</i> , 2019, 6, 2467-2470.	2.3	2
71	<i>Taenia laticollis</i> and a potentially novel <i>Taenia</i> species from the Eurasian lynx ( <i>Lynx</i> ) in Northwestern China. <i>International Journal for Parasitology: Parasites and Wildlife</i> , 2021, 16, 183-186.	0.6	2
72	Solution-phase synthesis of a muramyl dipeptide analogue MDA. <i>Chinese Chemical Letters</i> , 2011, 22, 1443-1446.	4.8	1

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73	Effects of skeletal muscle denervation on the potency of succinylcholine. <i>Molecular Medicine Reports</i> , 2015, 12, 7796-7800.	1.1	1
74	Morphological and molecular analyses of <i>Taenia</i> and <i>Mesocestoides</i> species from red foxes ( <i>Vulpes</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 16, 270-274.	0.6	1