

Shengyong Yang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

99
papers

2,412
citations

23
h-index

46
g-index

105
ext. papers

3,672
ext. citations

10.7
avg, IF

5.27
L-index

#	Paper	IF	Citations
99	Discovery of 3,4-Dihydrobenzo[[1,4]oxazepin-5(2)-one Derivatives as a New Class of Selective TNIK Inhibitors and Evaluation of Their Anti-Colorectal Cancer Effects.. <i>Journal of Medicinal Chemistry</i> , 2022 ,	8.3	1
98	Structural Optimization and Structure-Activity Relationship Studies of 6,6-Dimethyl-4-(phenylamino)-6-pyrimido[5,4-][1,4]oxazin-7(8)-one Derivatives as A New Class of Potent Inhibitors of Pan-Trk and Their Drug-Resistant Mutants.. <i>Journal of Medicinal Chemistry</i> , 2022 ,	8.3	1
97	Identification of triazolopyridine derivatives as a new class of AhR agonists and evaluation of anti-psoriasis effect in a mouse model.. <i>European Journal of Medicinal Chemistry</i> , 2022 , 231, 114122	6.8	1
96	Discovery of a novel and potent inhibitor with differential species-specific effects against NLRP3 and AIM2 inflammasome-dependent pyroptosis.. <i>European Journal of Medicinal Chemistry</i> , 2022 , 232, 114194	6.8	2
95	Discovery of a potent and highly selective inhibitor of ataxia telangiectasia mutated and Rad3-Related (ATR) kinase: Structural activity relationship and antitumor activity both in vitro and in vivo.. <i>European Journal of Medicinal Chemistry</i> , 2022 , 232, 114187	6.8	0
94	Discovery of benzo[d]oxazol-2(3H)-one derivatives as a new class of TNIK inhibitors for the treatment of colorectal cancer.. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022 , 67, 128745	2.9	0
93	Discovery and structural optimization of potent epidermal growth factor receptor (EGFR) inhibitors against L858R/T790M/C797S resistance mutation for lung cancer treatment.. <i>European Journal of Medicinal Chemistry</i> , 2022 , 237, 114381	6.8	0
92	KMT2C deficiency promotes small cell lung cancer metastasis through DNMT3A-mediated epigenetic reprogramming.. <i>Nature Cancer</i> , 2022 ,	15.4	2
91	An orally available M inhibitor is effective against wild-type SARS-CoV-2 and variants including Omicron.. <i>Nature Microbiology</i> , 2022 , 7, 716-725	26.6	5
90	Discovery of a potent, selective and cell active inhibitor of m6A demethylase ALKBH5. <i>European Journal of Medicinal Chemistry</i> , 2022 , 114446	6.8	0
89	An Epigenetic Mechanism Underlying Chromosome 17p Deletion-Driven Tumorigenesis. <i>Cancer Discovery</i> , 2021 , 11, 194-207	24.4	8
88	Structure-Guided Discovery of a Potent and Selective Cell-Active Inhibitor of SETDB1 Tudor Domain. <i>Angewandte Chemie</i> , 2021 , 133, 8842-8847	3.6	
87	SARS-CoV-2 M inhibitors with antiviral activity in a transgenic mouse model. <i>Science</i> , 2021 , 371, 1374-1378	39.3	124
86	Discovery of selective BPTF bromodomain inhibitors by screening and structure-based optimization. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 545, 125-131	3.4	2
85	Antimicrobial peptide DP7 with potential activity against SARS coronavirus infections. <i>Signal Transduction and Targeted Therapy</i> , 2021 , 6, 140	21	6
84	Small molecules in targeted cancer therapy: advances, challenges, and future perspectives. <i>Signal Transduction and Targeted Therapy</i> , 2021 , 6, 201	21	103
83	Structure-activity relationship studies of phenothiazine derivatives as a new class of ferroptosis inhibitors together with the therapeutic effect in an ischemic stroke model. <i>European Journal of Medicinal Chemistry</i> , 2021 , 209, 112842	6.8	13

82	Ligand recognition and allosteric regulation of DRD1-Gs signaling complexes. <i>Cell</i> , 2021 , 184, 943-956.e18	18.2	24
81	Structure-Guided Discovery of a Potent and Selective Cell-Active Inhibitor of SETDB1 Tudor Domain. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 8760-8765	16.4	4
80	Discovery of a new class of JMJD6 inhibitors and structure-activity relationship study. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021 , 44, 128109	2.9	4
79	Structures of signaling complexes of lipid receptors S1PR1 and S1PR5 reveal mechanisms of activation and drug recognition. <i>Cell Research</i> , 2021 , 31, 1263-1274	24.7	9
78	The novel LSD1 inhibitor ZY0511 suppresses diffuse large B-cell lymphoma proliferation by inducing apoptosis and autophagy. <i>Medical Oncology</i> , 2021 , 38, 124	3.7	2
77	Structural insights into sphingosine-1-phosphate recognition and ligand selectivity of S1PR3-Gi signaling complexes. <i>Cell Research</i> , 2021 ,	24.7	5
76	Discovery of a potent and selective inhibitor of histone lysine demethylase KDM4D. <i>European Journal of Medicinal Chemistry</i> , 2021 , 223, 113662	6.8	2
75	Discovery of 5-(4-methylpiperazin-1-yl)-2-nitroaniline derivatives as a new class of SIRT6 inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020 , 30, 127215	2.9	3
74	Multispecific drugs: the fourth wave of biopharmaceutical innovation. <i>Signal Transduction and Targeted Therapy</i> , 2020 , 5, 86	21	3
73	Jumonji domain-containing protein 6 protein and its role in cancer. <i>Cell Proliferation</i> , 2020 , 53, e12747	7.9	15
72	Structural Analysis of Rabies Virus Glycoprotein Reveals pH-Dependent Conformational Changes and Interactions with a Neutralizing Antibody. <i>Cell Host and Microbe</i> , 2020 , 27, 441-453.e7	23.4	18
71	Novel CDKs inhibitors for the treatment of solid tumour by simultaneously regulating the cell cycle and transcription control. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020 , 35, 414-423	5.6	12
70	Design and optimization of orally spleen tyrosine kinase (SYK) inhibitors for treatment of solid tumor. <i>Bioorganic Chemistry</i> , 2020 , 95, 103547	5.1	3
69	Structural and Functional Insights into an Archaeal Lipid Synthase. <i>Cell Reports</i> , 2020 , 33, 108294	10.6	2
68	Discovery of small molecule FLT3 inhibitors that are able to overcome drug-resistant mutations. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020 , 30, 127532	2.9	
67	Discovery of 12O-A Novel Oral Multi-Kinase Inhibitor for the Treatment of Solid Tumor. <i>Molecules</i> , 2020 , 25,	4.8	2
66	Synergistic antitumor effect of 5-fluorouracil with the novel LSD1 inhibitor ZY0511 in colorectal cancer. <i>Therapeutic Advances in Medical Oncology</i> , 2020 , 12, 1758835920937428	5.4	8
65	Discovery of Potent Small-Molecule SIRT6 Activators: Structure-Activity Relationship and Anti-Pancreatic Ductal Adenocarcinoma Activity. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 10474-10495	8.3	6

64	Crystal structure of SARS-CoV-2 nsp10/nsp16 2RO-methylase and its implication on antiviral drug design. <i>Signal Transduction and Targeted Therapy</i> , 2020 , 5, 131	21	46
63	Discovery and structure-activity relationship studies of 1-aryl-1H-naphtho[2,3-d][1,2,3]triazole-4,9-dione derivatives as potent dual inhibitors of indoleamine 2,3-dioxygenase 1 (IDO1) and tryptophan 2,3-dioxygenase (TDO). <i>European Journal of Medicinal Chemistry</i> , 2020 , 207, 112703	6.8	9
62	Structure of the human gonadotropin-releasing hormone receptor GnRH1R reveals an unusual ligand binding mode. <i>Nature Communications</i> , 2020 , 11, 5287	17.4	3
61	Novel mitochondria-targeted and fluorescent DNA alkylation agents with highly selective activity against cancer cells. <i>Dyes and Pigments</i> , 2019 , 170, 107610	4.6	3
60	Deciphering the regulatory and catalytic mechanisms of an unusual SAM-dependent enzyme. <i>Signal Transduction and Targeted Therapy</i> , 2019 , 4, 17	21	6
59	Discovery of Pyrrolo[3,2- d]pyrimidin-4-one Derivatives as a New Class of Potent and Cell-Active Inhibitors of P300/CBP-Associated Factor Bromodomain. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 4526-4542	8.2	5
58	Discovery of human TyrRS inhibitors by structure-based virtual screening, structural optimization, and bioassays.. <i>RSC Advances</i> , 2019 , 9, 9323-9330	3.7	3
57	Metal-Free Aerobic Oxidative Selective C-C Bond Cleavage in Heteroaryl-Containing Primary and Secondary Alcohols. <i>Organic Letters</i> , 2019 , 21, 3028-3033	6.2	17
56	Ni-Catalyzed Suzuki-Miyaura Cross-Coupling of Exo-vinylsulfones To Prepare C-Aryl Glycals and Acyclic Vinyl Ethers. <i>Journal of the American Chemical Society</i> , 2019 , 141, 7680-7686	16.4	40
55	Discovery of 5-(5-fluoro-1H-pyrrolo[2,3-b]pyridin-3-yl)pyrazin-2(1H)-one derivatives as new potent PB2 inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019 , 29, 1609-1613	2.9	3
54	Role of Water in the Reaction Mechanism and endo/exo Selectivity of 1,3-Dipolar Cycloadditions Elucidated by Quantum Chemistry and Machine Learning. <i>Chemistry - A European Journal</i> , 2019 , 25, 8289-8303	4.8	2
53	Preclinical pharmacodynamic evaluation of a new Src/FOSL1 inhibitor, LY-1816, in pancreatic ductal adenocarcinoma. <i>Cancer Science</i> , 2019 , 110, 1408-1419	6.9	6
52	ZY0511, a novel, potent and selective LSD1 inhibitor, exhibits anticancer activity against solid tumors via the DDIT4/mTOR pathway. <i>Cancer Letters</i> , 2019 , 454, 179-190	9.9	21
51	Identification of Pyrrolo[2,3- d]pyrimidine-Based Derivatives as Potent and Orally Effective Fms-like Tyrosine Receptor Kinase 3 (FLT3) Inhibitors for Treating Acute Myelogenous Leukemia. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 4158-4173	8.3	17
50	Cul4 E3 ubiquitin ligase regulates ovarian cancer drug resistance by targeting the antiapoptotic protein BIRC3. <i>Cell Death and Disease</i> , 2019 , 10, 104	9.8	13
49	Capsule Networks Showed Excellent Performance in the Classification of hERG Blockers/Nonblockers. <i>Frontiers in Pharmacology</i> , 2019 , 10, 1631	5.6	10
48	Jumonji domain-containing 6 (JMJD6) identified as a potential therapeutic target in ovarian cancer. <i>Signal Transduction and Targeted Therapy</i> , 2019 , 4, 24	21	20
47	Discovery of 1,8-disubstituted-[1,2,3]triazolo[4,5-c]quinoline derivatives as a new class of Hippo signaling pathway inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019 , 29, 2595-2603	2.9	3

46	Concepts of Artificial Intelligence for Computer-Assisted Drug Discovery. <i>Chemical Reviews</i> , 2019 , 119, 10520-10594	68.1	243
45	Novel cyclin-dependent kinase 9 (CDK9) inhibitor with suppression of cancer stemness activity against non-small-cell lung cancer. <i>European Journal of Medicinal Chemistry</i> , 2019 , 181, 111535	6.8	16
44	Novel dual inhibitors targeting CDK4 and VEGFR2 synergistically suppressed cancer progression and angiogenesis. <i>European Journal of Medicinal Chemistry</i> , 2019 , 181, 111541	6.8	10
43	Transition-Metal-Catalyzed Transformation of Sulfonates via S-O Bond Cleavage: Synthesis of Alkyl Aryl Ether and Diaryl Ether. <i>Organic Letters</i> , 2019 , 21, 8879-8883	6.2	6
42	Discovery of 4-Chromen-4-one Derivatives as a New Class of Selective Rho Kinase (ROCK) Inhibitors, which Showed Potent Activity in ex Vivo Diabetic Retinopathy Models. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 10691-10710	8.3	5
41	Enhancement of Histone Deacetylase Inhibitor Sensitivity in Combination with Cyclin-Dependent Kinase Inhibition for the Treatment of Oral Squamous Cell Carcinoma. <i>Cellular Physiology and Biochemistry</i> , 2019 , 53, 141-156	3.9	3
40	Targeting glutaminase1 and synergizing with clinical drugs achieved more promising antitumor activity on multiple myeloma. <i>Oncotarget</i> , 2019 , 10, 5993-6005	3.3	1
39	Targeting epigenetic regulators for cancer therapy: mechanisms and advances in clinical trials. <i>Signal Transduction and Targeted Therapy</i> , 2019 , 4, 62	21	284
38	Discovery of Novel Dual Histone Deacetylase and Mammalian Target of Rapamycin Target Inhibitors as a Promising Strategy for Cancer Therapy. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 1577-1592	8.3	26
37	The bromodomain protein BRD4 positively regulates necroptosis via modulating MLKL expression. <i>Cell Death and Differentiation</i> , 2019 , 26, 1929-1941	12.7	11
36	Discovery of N1-(4-((7-Cyclopentyl-6-(dimethylcarbamoyl)-7 H-pyrrolo[2,3-d]pyrimidin-2-yl)amino)phenyl)- N8-hydroxyoctanediamide as a Novel Inhibitor Targeting Cyclin-dependent Kinase 4/9 (CDK4/9) and Histone Deacetylase1 (HDAC1) against Malignant Cancer. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 3166-3192	8.3	48
35	ICAM3 mediates inflammatory signaling to promote cancer cell stemness. <i>Cancer Letters</i> , 2018 , 422, 29-43	9.9	14
34	Targeting Pin1 by inhibitor API-1 regulates microRNA biogenesis and suppresses hepatocellular carcinoma development. <i>Hepatology</i> , 2018 , 68, 547-560	11.2	41
33	Highly Selective, Potent, and Oral mTOR Inhibitor for Treatment of Cancer as Autophagy Inducer. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 881-904	8.3	13
32	Selective and novel cyclin-dependent kinases 4 inhibitor: synthesis and biological evaluation. <i>Medicinal Chemistry Research</i> , 2018 , 27, 1666-1678	2.2	2
31	Discovery of a highly selective JAK3 inhibitor for the treatment of rheumatoid arthritis. <i>Scientific Reports</i> , 2018 , 8, 5273	4.9	23
30	SKLB-23bb, A HDAC6-Selective Inhibitor, Exhibits Superior and Broad-Spectrum Antitumor Activity via Additionally Targeting Microtubules. <i>Molecular Cancer Therapeutics</i> , 2018 , 17, 763-775	6.1	15
29	Tmem30a Plays Critical Roles in Ensuring the Survival of Hematopoietic Cells and Leukemia Cells in Mice. <i>American Journal of Pathology</i> , 2018 , 188, 1457-1468	5.8	11

28	A highly potent and selective inhibitor Roxyl-WL targeting IDO1 promotes immune response against melanoma. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018 , 33, 1089-1094	5.6	5
27	Dopamine-loaded blood exosomes targeted to brain for better treatment of Parkinson's disease. <i>Journal of Controlled Release</i> , 2018 , 287, 156-166	11.7	168
26	Design, synthesis, and biological evaluation of polo-like kinase 1/eukaryotic elongation factor 2 kinase (PLK1/EEF2K) dual inhibitors for regulating breast cancer cells apoptosis and autophagy. <i>European Journal of Medicinal Chemistry</i> , 2018 , 144, 517-528	6.8	23
25	Identification of 5-(2,3-Dihydro-1 H-indol-5-yl)-7 H-pyrrolo[2,3- d]pyrimidin-4-amine Derivatives as a New Class of Receptor-Interacting Protein Kinase 1 (RIPK1) Inhibitors, Which Showed Potent Activity in a Tumor Metastasis Model. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 11398-11414	8.3	21
24	Novel hybrid molecule overcomes the limited response of solid tumours to HDAC inhibitors via suppressing JAK1-STAT3-BCL2 signalling. <i>Theranostics</i> , 2018 , 8, 4995-5011	12.1	32
23	Structural and functional insights into the regulation of the lysis-lysogeny decision in viral communities. <i>Nature Microbiology</i> , 2018 , 3, 1285-1294	26.6	30
22	SKLB060 Reversibly Binds to Colchicine Site of Tubulin and Possesses Efficacy in Multidrug-Resistant Cell Lines. <i>Cellular Physiology and Biochemistry</i> , 2018 , 47, 489-504	3.9	19
21	Discovery of a small molecule targeting ULK1-modulated cell death of triple negative breast cancer and. <i>Chemical Science</i> , 2017 , 8, 2687-2701	9.4	78
20	Discovery of a highly potent, selective and novel CDK9 inhibitor as an anticancer drug candidate. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 3231-3237	2.9	16
19	Discovery of New SIRT2 Inhibitors by Utilizing a Consensus Docking/Scoring Strategy and Structure-Activity Relationship Analysis. <i>Journal of Chemical Information and Modeling</i> , 2017 , 57, 669-679	6.1	27
18	Site-Divergent Delivery of Terminal Propargyls to Carbohydrates by Synergistic Catalysis. <i>Chem</i> , 2017 , 3, 834-845	16.2	56
17	Progress of small molecular inhibitors in the development of anti-influenza virus agents. <i>Theranostics</i> , 2017 , 7, 826-845	12.1	41
16	SKLB188 inhibits the growth of head and neck squamous cell carcinoma by suppressing EGFR signalling. <i>British Journal of Cancer</i> , 2017 , 117, 1154-1163	8.7	8
15	Liposomal honokiol induced lysosomal degradation of Hsp90 client proteins and protective autophagy in both gefitinib-sensitive and gefitinib-resistant NSCLC cells. <i>Biomaterials</i> , 2017 , 141, 188-198	15.6	30
14	Discovery of Potent and Selective Inhibitors of Cdc2-Like Kinase 1 (CLK1) as a New Class of Autophagy Inducers. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 6337-6352	8.3	24
13	IFPTarget: A Customized Virtual Target Identification Method Based on Protein-Ligand Interaction Fingerprinting Analyses. <i>Journal of Chemical Information and Modeling</i> , 2017 , 57, 1640-1651	6.1	23
12	Preclinical pharmacodynamic evaluation of drug candidate SKLB-178 in the treatment of non-small cell lung cancer. <i>Oncotarget</i> , 2017 , 8, 12843-12854	3.3	1
11	Malignant Pleural Effusion and ascites Induce Epithelial-Mesenchymal Transition and Cancer Stem-like Cell Properties via the Vascular Endothelial Growth Factor (VEGF)/Phosphatidylinositol 3-Kinase (PI3K)/Akt/Mechanistic Target of Rapamycin (mTOR) Pathway. <i>Journal of Biological Chemistry</i> , 2016 , 291, 26750-26761	5.4	18

10	TIFA suppresses hepatocellular carcinoma progression via MALT1-dependent and -independent signaling pathways. <i>Signal Transduction and Targeted Therapy</i> , 2016 , 1, 16013	21	26
9	Porphyrins with intense absorptivity: highly efficient sensitizers with a photovoltaic efficiency of up to 10.7% without a cosensitizer and a coabsorbate. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 11829-11834	12	45
8	Discovery of a Teraryl Oxazolidinone Compound (S)-N-((3-(3-Fluoro-4-(4-(pyridin-2-yl)-1H-pyrazol-1-yl)phenyl)-2-oxooxazolidin-5-yl)methyl)acetamide Phosphate as a Novel Antimicrobial Agent with Enhanced Safety Profile and Efficacies. <i>Journal of Medicinal Chemistry</i> , 2015 , 58, 6389-409	8.3	20
7	Arginine Methyltransferase 1 in the Nucleus Accumbens Regulates Behavioral Effects of Cocaine. <i>Journal of Neuroscience</i> , 2015 , 35, 12890-902	6.6	21
6	A small molecular agent YL529 inhibits VEGF-D-induced lymphangiogenesis and metastasis in preclinical tumor models in addition to its known antitumor activities. <i>BMC Cancer</i> , 2015 , 15, 525	4.8	4
5	Cationic nanocarriers induce cell necrosis through impairment of Na(+)/K(+)-ATPase and cause subsequent inflammatory response. <i>Cell Research</i> , 2015 , 25, 237-53	24.7	162
4	Overexpression of Oct4 suppresses the metastatic potential of breast cancer cells via Rnd1 downregulation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014 , 1842, 2087-95	6.9	21
3	Synthesis and biological evaluation of novel naphthalene compounds as potential antidepressant agents. <i>European Journal of Medicinal Chemistry</i> , 2014 , 82, 263-73	6.8	13
2	Studies of Interaction between Ergosta-4,6,8(14),22-tetraen-3-one (Ergone) and Human Serum Albumin by Molecular Spectroscopy and Modeling. <i>Journal of the Chinese Chemical Society</i> , 2011 , 58, 602-610	1.5	6
1	From Mono-Triazolium Salt to Bis-Triazolium Salt: Improvement of the Asymmetric Intermolecular Benzoin Condensation. <i>Advanced Synthesis and Catalysis</i> , 2008 , 350, 2645-2651	5.6	78