

Lihong Shan

List of Publications by Year in descending order

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105
papers

4,650
citations

101384

36
h-index

110170

64
g-index

106
all docs

106
docs citations

106
times ranked

4673
citing authors

#	ARTICLE	IF	CITATIONS
1	Spirooxindoles: Promising scaffolds for anticancer agents. <i>European Journal of Medicinal Chemistry</i> , 2015, 97, 673-698.	2.6	653
2	Design and synthesis of novel 1,2,3-triazole-dithiocarbamate hybrids as potential anticancer agents. <i>European Journal of Medicinal Chemistry</i> , 2013, 62, 11-19.	2.6	222
3	Triazoleâ€“Dithiocarbamate Based Selective Lysine Specific Demethylase 1 (LSD1) Inactivators Inhibit Gastric Cancer Cell Growth, Invasion, and Migration. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 8543-8560.	2.9	198
4	A Systematic Review of Histone Lysineâ€“Specific Demethylase 1 and Its Inhibitors. <i>Medicinal Research Reviews</i> , 2015, 35, 1032-1071.	5.0	157
5	Discovery of orally active anticancer candidate CFI-400945 derived from biologically promising spirooxindoles: Success and challenges. <i>European Journal of Medicinal Chemistry</i> , 2015, 95, 35-40.	2.6	147
6	Design, Synthesis, and Structureâ€“Activity Relationship of Novel LSD1 Inhibitors Based on Pyrimidineâ€“Thiourea Hybrids As Potent, Orally Active Antitumor Agents. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 1705-1716.	2.9	139
7	Targeting Brd4 for cancer therapy: inhibitors and degraders. <i>MedChemComm</i> , 2018, 9, 1779-1802.	3.5	109
8	Natural Product-Derived Spirooxindole Fragments Serve as Privileged Substructures for Discovery of New Anticancer Agents. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2016, 16, 1315-1324.	0.9	103
9	Design, synthesis and antiproliferative activity studies of novel 1,2,3-triazoleâ€“dithiocarbamateâ€“urea hybrids. <i>European Journal of Medicinal Chemistry</i> , 2013, 64, 99-110.	2.6	96
10	Design and synthesis of novel 1,2,3-triazole-pyrimidine hybrids as potential anticancer agents. <i>European Journal of Medicinal Chemistry</i> , 2014, 86, 368-380.	2.6	93
11	Synthesis and biological evaluation of novel steroidal[17,16-d][1,2,4]triazolo[1,5-a]pyrimidines. <i>Steroids</i> , 2012, 77, 710-715.	0.8	90
12	Design and synthesis of novel 1,2,3-triazoleâ€“pyrimidineâ€“urea hybrids as potential anticancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 1124-1128.	1.0	82
13	Synthesis and biological evaluation of coumarinâ€“1,2,3-triazoleâ€“dithiocarbamate hybrids as potent LSD1 inhibitors. <i>MedChemComm</i> , 2014, 5, 650-654.	3.5	79
14	TCPs: privileged scaffolds for identifying potent LSD1 inhibitors for cancer therapy. <i>Epigenomics</i> , 2016, 8, 651-666.	1.0	72
15	Efficient synthesis of new antiproliferative steroidal hybrids using the molecular hybridization approach. <i>European Journal of Medicinal Chemistry</i> , 2016, 117, 241-255.	2.6	68
16	Development of the triazole-fused pyrimidine derivatives as highly potent and reversible inhibitors of histone lysine specific demethylase 1 (LSD1/KDM1A). <i>Acta Pharmaceutica Sinica B</i> , 2019, 9, 794-808.	5.7	67
17	Discovery of [1,2,3]Triazolo[4,5- <i>d</i>]pyrimidine Derivatives as Novel LSD1 Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2017, 8, 384-389.	1.3	66
18	Design, synthesis and biological evaluation of [1,2,4]triazolo[1,5-a]pyrimidines as potent lysine specific demethylase 1 (LSD1/KDM1A) inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2017, 125, 940-951.	2.6	65

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19	Design, synthesis and biological evaluation of [1,2,3]triazolo[4,5-d]pyrimidine derivatives possessing a hydrazone moiety as antiproliferative agents. <i>European Journal of Medicinal Chemistry</i> , 2016, 124, 967-980.	2.6	63
20	A novel [1,2,4] triazolo [1,5-a] pyrimidine-based phenyl-linked steroid dimer: Synthesis and its cytotoxic activity. <i>European Journal of Medicinal Chemistry</i> , 2013, 69, 323-330.	2.6	60
21	Development of Highly Potent, Selective, and Cellular Active Triazolo[1,5-a]pyrimidine-Based Inhibitors Targeting the DCN1-UBC12 Protein-Protein Interaction. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 2772-2797.	2.9	59
22	Tranylcypromine Based Lysine-Specific Demethylase 1 Inhibitor: Summary and Perspective. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 14197-14215.	2.9	57
23	Discovery of resveratrol derivatives as novel LSD1 inhibitors: Design, synthesis and their biological evaluation. <i>European Journal of Medicinal Chemistry</i> , 2017, 126, 246-258.	2.6	56
24	Design, synthesis and antiproliferative activity studies of novel dithiocarbamate-chalcone derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 3918-3922.	1.0	51
25	Synthesis and anticancer activities of novel 1,2,4-triazolo[3,4-a]phthalazine derivatives. <i>European Journal of Medicinal Chemistry</i> , 2014, 85, 235-244.	2.6	50
26	Reversible Lysine Specific Demethylase 1 (LSD1) Inhibitors: A Promising Wrench to Impair LSD1. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 2466-2488.	2.9	48
27	Synthesis and in vitro antitumor activity of new butenolide-containing dithiocarbamates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 3074-3077.	1.0	47
28	Design, synthesis and biological evaluation of novel steroidal spiro-oxindoles as potent antiproliferative agents. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014, 141, 121-134.	1.2	47
29	Baicalin, a natural LSD1 inhibitor. <i>Bioorganic Chemistry</i> , 2016, 69, 129-131.	2.0	47
30	Synthesis, structure-activity relationship studies and biological characterization of new [1,2,4]triazolo[1,5-a]pyrimidine-based LSD1/KDM1A inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2019, 167, 388-401.	2.6	47
31	Design and synthesis of novel D-ring fused steroidal heterocycles. <i>Steroids</i> , 2013, 78, 1200-1208.	0.8	43
32	Design, Synthesis and Structure-Activity Relationships of Novel Chalcone-1,2,3-triazole-azole Derivates as Antiproliferative Agents. <i>Molecules</i> , 2016, 21, 653.	1.7	43
33	Design and synthesis of formononetin-dithiocarbamate hybrids that inhibit growth and migration of PC-3A cells via MAPK/Wnt signaling pathways. <i>European Journal of Medicinal Chemistry</i> , 2017, 127, 87-99.	2.6	43
34	Design, synthesis and antiproliferative activity studies of 1,2,3-triazole-chalcones. <i>MedChemComm</i> , 2016, 7, 1664-1671.	3.5	42
35	Lysine demethylase 5B (KDM5B): A potential anti-cancer drug target. <i>European Journal of Medicinal Chemistry</i> , 2019, 161, 131-140.	2.6	41
36	Synthesis of novel D-ring fused 7 α -aryl-androstano[17,16-d][1,2,4] triazolo[1,5-a]pyrimidines. <i>Steroids</i> , 2012, 77, 367-374.	0.8	38

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37	Novel thiosemicarbazone derivatives containing indole fragment as potent and selective anticancer agent. <i>European Journal of Medicinal Chemistry</i> , 2019, 184, 111764.	2.6	37
38	Design and synthesis of isatin/triazole conjugates that induce apoptosis and inhibit migration of MGC-803 cells. <i>European Journal of Medicinal Chemistry</i> , 2016, 124, 350-360.	2.6	36
39	Discovery of 5,6-diaryl-1,2,4-triazines hybrids as potential apoptosis inducers. <i>European Journal of Medicinal Chemistry</i> , 2017, 138, 1076-1088.	2.6	35
40	Synthesis and biological evaluation of new steroidal pyridines as potential anti-prostate cancer agents. <i>European Journal of Medicinal Chemistry</i> , 2018, 145, 11-22.	2.6	34
41	Experience-based discovery (EBD) of aryl hydrazines as new scaffolds for the development of LSD1/KDM1A inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2019, 166, 432-444.	2.6	34
42	Synthesis and preliminary biological evaluation of 1,2,3-triazole-Jaspine B hybrids as potential cytotoxic agents. <i>European Journal of Medicinal Chemistry</i> , 2014, 80, 593-604.	2.6	32
43	Efficient synthesis of novel antiproliferative steroidal spirooxindoles via the [3+2] cycloaddition reactions of azomethine ylides. <i>Steroids</i> , 2015, 102, 92-100.	0.8	32
44	Structurally novel steroidal spirooxindole by241 potently inhibits tumor growth mainly through ROS-mediated mechanisms. <i>Scientific Reports</i> , 2016, 6, 31607.	1.6	32
45	Identification of thiazolo[5,4-d]pyrimidine derivatives as potent antiproliferative agents through the drug repurposing strategy. <i>European Journal of Medicinal Chemistry</i> , 2017, 135, 204-212.	2.6	32
46	Efficient construction of novel D-ring modified steroidal dienamides and their cytotoxic activities. <i>European Journal of Medicinal Chemistry</i> , 2013, 66, 171-179.	2.6	31
47	Discovery of novel AHLs as potent antiproliferative agents. <i>European Journal of Medicinal Chemistry</i> , 2015, 93, 321-329.	2.6	31
48	LPE-1, an orally active pyrimidine derivative, inhibits growth and mobility of human esophageal cancers by targeting LSD1. <i>Pharmacological Research</i> , 2017, 122, 66-77.	3.1	31
49	Structure-Activity Relationship Studies of Î ² -Lactam-azide Analogues as Orally Active Antitumor Agents Targeting the Tubulin Colchicine Site. <i>Scientific Reports</i> , 2017, 7, 12788.	1.6	30
50	Synthesis and biological evaluation of novel Jiyuan Oridonin A-1,2,3-triazole-azole derivatives as antiproliferative agents. <i>European Journal of Medicinal Chemistry</i> , 2018, 157, 1249-1263.	2.6	29
51	Facile synthesis of novel D-ring modified steroidal dienamides via rearrangement of 2H-pyrans. <i>Steroids</i> , 2013, 78, 494-499.	0.8	28
52	Synthesis and anti-gastric cancer activity evaluation of novel triazole nucleobase analogues containing steroidal/coumarin/quinoline moieties. <i>European Journal of Medicinal Chemistry</i> , 2019, 181, 111520.	2.6	28
53	Discovery and synthesis of novel indole derivatives-containing 3-methylenedihydrofuran-2(3H)-one as irreversible LSD1 inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2019, 175, 357-372.	2.6	28
54	Design, synthesis and inÂvitro biological evaluation of novel [1,2,3]triazolo[4,5-d]pyrimidine derivatives containing a thiosemicarbazide moiety. <i>European Journal of Medicinal Chemistry</i> , 2018, 146, 147-156.	2.6	27

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55	Discovery of New 4-Indolyl Quinazoline Derivatives as Highly Potent and Orally Bioavailable P-Glycoprotein Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 14895-14911.	2.9	27
56	Potent hydrazone derivatives targeting esophageal cancer cells. <i>European Journal of Medicinal Chemistry</i> , 2018, 148, 359-371.	2.6	26
57	Structure-Based Design, Synthesis, and Biological Evaluation of New Triazolo[1,5- <i>a</i>]Pyrimidine Derivatives as Highly Potent and Orally Active ABCB1 Modulators. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 15979-15996.	2.9	25
58	The Antitumor Activity of the Novel Compound Jesridonin on Human Esophageal Carcinoma Cells. <i>PLoS ONE</i> , 2015, 10, e0130284.	1.1	24
59	A multifunctional cross-validation high-throughput screening protocol enabling the discovery of new SHP2 inhibitors. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 750-762.	5.7	23
60	Discovery of novel steroidal pyranoxindole hybrids as cytotoxic agents. <i>Steroids</i> , 2014, 88, 44-52.	0.8	22
61	A new brominated chalcone derivative suppresses the growth of gastric cancer cells in vitro and in vivo involving ROS mediated up-regulation of DR5 and 4 expression and apoptosis. <i>Toxicology and Applied Pharmacology</i> , 2016, 309, 77-86.	1.3	22
62	Multicomponent assembly of novel antiproliferative steroidal dihydropyridinyl spirooxindoles. <i>Steroids</i> , 2016, 109, 22-28.	0.8	21
63	Pro-Apoptotic Effects of JDA-202, a Novel Natural Diterpenoid, on Esophageal Cancer Through Targeting Peroxiredoxin I. <i>Antioxidants and Redox Signaling</i> , 2017, 27, 73-92.	2.5	21
64	Discovery of [1,2,4]triazolo[1,5- <i>a</i>]pyrimidine derivatives as new bromodomain-containing protein 4 (BRD4) inhibitors. <i>Chinese Chemical Letters</i> , 2020, 31, 418-422.	4.8	21
65	Ligand-based design, synthesis and biological evaluation of xanthine derivatives as LSD1/KDM1A inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2019, 162, 555-567.	2.6	20
66	Brønsted acid-promoted H_2O -mediated C(sp ³)-H functionalization for the synthesis of isoindolinone/[1,2,4]triazolo[1,5- <i>a</i>]pyrimidine derivatives targeting the SKP2-CKS1 interaction. <i>Chinese Chemical Letters</i> , 2020, 31, 349-352.	4.8	20
67	Brønsted Acid-Catalyzed Direct C(sp ²)-H Heteroarylation Enabling the Synthesis of Structurally Diverse Biaryl Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 59-66.	2.1	19
68	Palladium-Catalyzed Ligand-Free Double Cyclization Reactions for the Synthesis of 3-(1-Indolyl)-phthalides. <i>Organic Letters</i> , 2020, 22, 814-817.	2.4	19
69	Design, synthesis and antibacterial evaluation of novel AHL analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 4154-4156.	1.0	18
70	2,4-Disubstituted quinazolines targeting breast cancer cells via EGFR-PI3K. <i>European Journal of Medicinal Chemistry</i> , 2019, 172, 36-47.	2.6	18
71	An Overview on Screening Methods for Lysine Specific Demethylase 1 (LSD1) Inhibitors. <i>Current Medicinal Chemistry</i> , 2017, 24, 2496-2504.	1.2	18
72	Stereoselective synthesis of novel antiproliferative steroidal (E, E) dienamides through a cascade aldol/cyclization process. <i>Steroids</i> , 2013, 78, 1134-1140.	0.8	17

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73	Discovery of a non-toxic [1,2,4]triazolo[1,5-a]pyrimidin-7-one (WS-10) that modulates ABCB1-mediated multidrug resistance (MDR). <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 5006-5017.	1.4	17
74	Cu(OTf) ₂ -Catalyzed Intramolecular Radical Cascade Reactions for the Diversity-Oriented Synthesis of Quinoline-Annulated Polyheterocyclic Frameworks. <i>Organic Letters</i> , 2021, 23, 1445-1450.	2.4	17
75	Investigating the binding mechanism of (4-Cyanophenyl)glycine derivatives as reversible LSD1 by 3D-QSAR, molecular docking and molecular dynamics simulations. <i>Journal of Molecular Structure</i> , 2019, 1175, 698-707.	1.8	15
76	HFIP-promoted catalyst-free cascade reactions for the synthesis of biologically relevant 3,3-di(indolyl)indolin-2-ones from indoles and isatins. <i>Chinese Chemical Letters</i> , 2020, 31, 2465-2468.	4.8	15
77	Efficient three-component one-pot synthesis of steroidal polysubstituted anilines. <i>Steroids</i> , 2015, 104, 1-7.	0.8	14
78	Discovery of new [1,2,4] Triazolo[1,5-a]Pyrimidine derivatives that Kill gastric cancer cells via the mitochondria pathway. <i>European Journal of Medicinal Chemistry</i> , 2020, 203, 112630.	2.6	14
79	Discovery of [1,2,4]triazolo[1,5-a]pyrimidines derivatives as potential anticancer agents. <i>European Journal of Medicinal Chemistry</i> , 2021, 211, 113108.	2.6	14
80	Solvent-free synthesis of novel steroidal 2-aminopyridines. <i>Steroids</i> , 2016, 115, 147-153.	0.8	12
81	Gramine-based structure optimization to enhance anti-gastric cancer activity. <i>Bioorganic Chemistry</i> , 2021, 107, 104549.	2.0	11
82	Synthesis of Novel Antiproliferative 1,2,3-triazole Hybrids Using the Molecular Hybridisation Approach. <i>Journal of Chemical Research</i> , 2016, 40, 674-677.	0.6	10
83	Molecular diversity of phenothiazines: design and synthesis of phenothiazineâ€‘dithiocarbamate hybrids as potential cell cycle blockers. <i>Molecular Diversity</i> , 2017, 21, 933-942.	2.1	10
84	Design, synthesis and preliminary biological evaluation of 5,8-dihydropteridine-6,7-diones that induce apoptosis and suppress cell migration. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 1959-1967.	2.6	10
85	Designed, synthesized and biological evaluation of proteolysis targeting chimeras (PROTACs) as AR degraders for prostate cancer treatment. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 45, 116331.	1.4	10
86	Design, synthesis and preliminary antiproliferative activity studies of new diheteroaryl thioether derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 4377-4382.	1.0	9
87	Design, synthesis and antiproliferative activity of thiazolo[5,4-d]pyrimidine derivatives through the atom replacement strategy. <i>European Journal of Medicinal Chemistry</i> , 2017, 138, 1034-1041.	2.6	9
88	Synthesis and preliminary antiproliferative activity of new pteridin-7(8H)-one derivatives. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 1396-1405.	2.6	9
89	Design, synthesis and biological evaluation of new steroidal Î²-triazoly enones as potent antiproliferative agents. <i>Steroids</i> , 2019, 150, 108431.	0.8	9
90	Discovery of tofacitinib derivatives as orally active antitumor agents based on the scaffold hybridization strategy. <i>European Journal of Medicinal Chemistry</i> , 2020, 203, 112601.	2.6	9

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91	Discovery of novel tertiary amide derivatives as NEDDylation pathway activators to inhibit the tumor progression <i>in vitro</i> and <i>in vivo</i> . <i>European Journal of Medicinal Chemistry</i> , 2020, 192, 112153.	2.6	9
92	Novel 3-(2,6,9-trisubstituted-9H-purine)-8-chalcone derivatives as potent anti-gastric cancer agents: Design, synthesis and structural optimization. <i>European Journal of Medicinal Chemistry</i> , 2019, 161, 493-505.	2.6	8
93	Novel [1,2,3]triazolo[4,5-d]pyrimidine derivatives containing hydrazone fragment as potent and selective anticancer agents. <i>Bioorganic Chemistry</i> , 2020, 105, 104424.	2.0	8
94	Design, synthesis, and biological evaluation of new thiazolo[5,4-d]pyrimidine derivatives as potent antiproliferative agents. <i>MedChemComm</i> , 2017, 8, 1655-1658.	3.5	7
95	Discovery of 6-chloro-2-(propylthio)-8,9-dihydro-7H-purines containing a carboxamide moiety as potential selective anti-lung cancer agents. <i>European Journal of Medicinal Chemistry</i> , 2018, 151, 327-338.	2.6	7
96	Synthesis and <i>in vitro</i> biological evaluation of novel derivatives of Flexicaulin A condensation with amino acid trifluoroacetate. <i>European Journal of Medicinal Chemistry</i> , 2019, 182, 111645.	2.6	7
97	Pharmacoeugenetics of LSD1 Inhibitors in Cancer. , 2019, , 523-530.		7
98	Discovery of the theobromine derivative MQS-14 that induces death of MGC-803 cells mainly through ROS-mediated mechanisms. <i>European Journal of Medicinal Chemistry</i> , 2019, 174, 76-86.	2.6	7
99	Screening and pharmacodynamic evaluation of the anti-respiratory syncytial virus activity of steroidal pyridine compounds <i>in vitro</i> and <i>in vivo</i> . <i>Journal of Medical Virology</i> , 2021, 93, 3428-3438.	2.5	7
100	Synthesis and biological evaluation of 17-cyanopyridine derivatives of pregnenolone as potential anti-prostate cancer agents. <i>Steroids</i> , 2021, 171, 108841.	0.8	7
101	Synthesis and Antitumor Activity Evaluation of Pyrimidine Analogues Bearing Urea Moiety. <i>Chinese Journal of Chemistry</i> , 2014, 32, 443-447.	2.6	6
102	Synthesis and biological evaluation of novel C6-cyclo secondary amine substituted purine steroid-nucleosides analogues. <i>Steroids</i> , 2014, 85, 13-17.	0.8	5
103	Synthesis of biologically relevant steroidal spiro β -lactams from dienamides through the cascade 4-endo N-cyclization/aerobic oxidation sequence. <i>Steroids</i> , 2020, 159, 108635.	0.8	4
104	Design and synthesis of new indole containing biaryl derivatives as potent antiproliferative agents. <i>Bioorganic Chemistry</i> , 2021, 110, 104821.	2.0	4
105	The Development of New Spirooxindoles Targeting the p53-MDM2 Protein-Protein Interactions for Cancer Therapy. , 2018, , 213-237.		3