

# Jingshan Shen

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

1,789  
citations

687220

13  
h-index

289141

40  
g-index

48  
all docs

48  
docs citations

48  
times ranked

3543  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural basis for inhibition of the RNA-dependent RNA polymerase from SARS-CoV-2 by remdesivir. <i>Science</i> , 2020, 368, 1499-1504.	6.0	950
2	Identification of pyrogallol as a warhead in design of covalent inhibitors for the SARS-CoV-2 3CL protease. <i>Nature Communications</i> , 2021, 12, 3623.	5.8	111
3	Utilization of Halogen Bond in Lead Optimization: A Case Study of Rational Design of Potent Phosphodiesterase Type 5 (PDE5) Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 5607-5611.	2.9	108
4	SARS-CoV-2 envelope protein causes acute respiratory distress syndrome (ARDS)-like pathological damages and constitutes an antiviral target. <i>Cell Research</i> , 2021, 31, 847-860.	5.7	102
5	Design and development of an oral remdesivir derivative WV116 against SARS-CoV-2. <i>Cell Research</i> , 2021, 31, 1212-1214.	5.7	71
6	Thermodynamic and Structural Characterization of Halogen Bonding in Protein-Ligand Interactions: A Case Study of PDE5 and Its Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 3588-3593.	2.9	37
7	Synthesis of CBD and Its Derivatives Bearing Various C4-Side Chains with a Late-Stage Diversification Method. <i>Journal of Organic Chemistry</i> , 2020, 85, 2704-2715.	1.7	31
8	Design, Synthesis, and Pharmacological Evaluation of Monocyclic Pyrimidinones as Novel Inhibitors of PDE5. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 10540-10550.	2.9	28
9	Pharmacokinetics-Driven Optimization of 4(3 <i>H</i> )-Pyrimidinones as Phosphodiesterase Type 5 Inhibitors Leading to TPN171, a Clinical Candidate for the Treatment of Pulmonary Arterial Hypertension. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 4979-4990.	2.9	25
10	Potency and pharmacokinetics of GS-441524 derivatives against SARS-CoV-2. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 46, 116364.	1.4	21
11	2-Phenylquinazolin-4(3 <i>H</i> )-one, a class of potent PDE5 inhibitors with high selectivity versus PDE6. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 2777-2779.	1.0	20
12	Nature brings new avenues to the therapy of central nervous system diseases—An overview of possible treatments derived from natural products. <i>Science China Life Sciences</i> , 2019, 62, 1332-1367.	2.3	20
13	Targeted Drugs for Treatment of Pulmonary Arterial Hypertension: Past, Present, and Future Perspectives. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 15153-15186.	2.9	20
14	An Improved Synthesis of 4-(1-Piperazinyl)benzo[ <i>b</i> ]thiophene Dihydrochloride. <i>Organic Process Research and Development</i> , 2015, 19, 555-558.	1.3	15
15	Chronic administration of synthetic cannabidiol induces antidepressant effects involving modulation of serotonin and noradrenaline levels in the hippocampus. <i>Neuroscience Letters</i> , 2021, 744, 135594.	1.0	15
16	Weinreb Amide Approach to the Practical Synthesis of a Key Remdesivir Intermediate. <i>Journal of Organic Chemistry</i> , 2021, 86, 5065-5072.	1.7	15
17	Oral remdesivir derivative WV116 is a potent inhibitor of respiratory syncytial virus with efficacy in mouse model. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, 123.	7.1	14
18	Rational design of 5-((1 <i>H</i> -imidazol-1-yl)methyl)quinolin-8-ol derivatives as novel bromodomain-containing protein 4 inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2019, 163, 281-294.	2.6	13

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19	Significant Inhibition of Porcine Epidemic Diarrhea Virus In Vitro by Remdesivir, Its Parent Nucleoside and Î²-d-N4-hydroxycytidine. <i>Virologica Sinica</i> , 2021, 36, 997-1005.	1.2	12
20	Synthesis and biological investigation of tetrahydropyridopyrimidinone derivatives as potential multireceptor atypical antipsychotics. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 4904-4916.	1.4	11
21	9,10-Anhydrodehydroartemisinin Attenuates Experimental Autoimmune Encephalomyelitis by Inhibiting Th1 and Th17 Cell Differentiation. <i>Inflammation</i> , 2021, 44, 1793-1802.	1.7	11
22	Oxidative Aromatization of 3,4-Dihydroquinolin-2(1 <i>H</i> )-ones to Quinolin-2(1 <i>H</i> )-ones Using Transition-Metal-Activated Persulfate Salts. <i>Journal of Organic Chemistry</i> , 2019, 84, 8702-8709.	1.7	10
23	One-Pot-Synthesis of Molnupiravir from Cytidine. <i>Organic Process Research and Development</i> , 2022, 26, 358-364.	1.3	10
24	Exploration of the 5-bromopyrimidin-4(3 <i>H</i> )-ones as potent inhibitors of PDE5. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 4944-4947.	1.0	9
25	Challenges and stepwise fit-for-purpose optimization for bioanalyses of remdesivir metabolites nucleotide monophosphate and triphosphate in mouse tissues using LC-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 194, 113806.	1.4	9
26	Synthesis and biological evaluation of a series of novel pyridinecarboxamides as potential multi-receptor antipsychotic drugs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 606-611.	1.0	8
27	An improved synthesis of telmisartan via the copper-catalyzed cyclization of haloarylamidines. <i>RSC Advances</i> , 2020, 10, 13717-13721.	1.7	8
28	An Improved Synthetic Route for Preparative Process of Vardenafil. <i>Organic Process Research and Development</i> , 2009, 13, 1206-1208.	1.3	7
29	Artemisinin derivative TPN10466 suppresses immune cell migration and Th1/Th17 differentiation to ameliorate disease severity in experimental autoimmune encephalomyelitis. <i>Cellular Immunology</i> , 2022, 373, 104500.	1.4	7
30	Synthesis, structure-activity relationships, and biological evaluation of a series of benzamides as potential multireceptor antipsychotics. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 3141-3147.	1.0	6
31	Synthesis and Biological Evaluation of Five-Atom-Linker-Based Arylpiperazine Derivatives with an Atypical Antipsychotic Profile. <i>ChemMedChem</i> , 2019, 14, 2042-2051.	1.6	6
32	Discovery of pyrimidine nucleoside dual prodrugs and pyrazine nucleosides as novel anti-HCV agents. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 748-759.	1.4	6
33	Synthesis and anti-SARS-CoV-2 activity of deuterated GS-441524 analogs. <i>Tetrahedron Letters</i> , 2022, 104, 154012.	0.7	6
34	Facile Synthesis of Substituted 4-Alkoxy-2-oxazolines and Exploration of the Reaction Mechanism. <i>Synthesis</i> , 2016, 48, 1331-1343.	1.2	5
35	A Facile Epoxide Aminolysis Promoted by $(t\text{-BuO})_2\text{Mg}$ and Its Application to the Synthesis of Efinaconazole. <i>Organic Process Research and Development</i> , 2018, 22, 625-632.	1.3	5
36	Industry-Oriented Route Evaluation and Process Optimization for the Preparation of Brexpiprazole. <i>Organic Process Research and Development</i> , 2019, 23, 852-857.	1.3	5

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37	Synthesis and biological investigation of triazolopyridinone derivatives as potential multireceptor atypical antipsychotics. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127027.	1.0	5
38	Improved Synthesis of 6-Chloro-5-methylpyridin-2-amine: A Key Intermediate for Making Lumacaftor. <i>Organic Process Research and Development</i> , 2020, 24, 1175-1179.	1.3	4
39	Scalable Process for Making 5,7-Dichlorotetrahydroisoquinoline-6-carboxylic Acid Using Methylene as the Protecting Group. <i>Organic Process Research and Development</i> , 2021, 25, 2447-2452.	1.3	4
40	A Phase I Study to Evaluate the Safety, Tolerability, and Pharmacokinetics of TPN171H, a Novel Phosphodiesterase Type 5 Inhibitor, in Healthy Subjects. <i>Drug Design, Development and Therapy</i> , 2021, Volume 15, 2947-2959.	2.0	3
41	TPN171H alleviates pulmonary hypertension via inhibiting inflammation in hypoxia and monocrotaline-induced rats. <i>Vascular Pharmacology</i> , 2022, 145, 107017.	1.0	3
42	Continuation of structure-activity relationship study of novel benzamide derivatives as potential antipsychotics. <i>Archiv Der Pharmazie</i> , 2019, 352, 1800306.	2.1	2
43	The novel small-molecule TPN10456 inhibits Th17 cell differentiation and protects against experimental autoimmune encephalomyelitis. <i>Cellular and Molecular Immunology</i> , 2020, 17, 1290-1293.	4.8	2
44	One step stereoselective synthesis of oxazoline-fused saccharides and their conversion into the corresponding 1,2-cis glycosylamines bearing various protected groups. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 1580-1588.	1.5	1
45	Synthesis and antiviral activity of 2'-deoxy-2'-substituted carbocyclic nucleosides. <i>Chemical Biology and Drug Design</i> , 2022, 99, 561-572.	1.5	1
46	Aminobenzisoxazole compounds as agonists of $\alpha 7$ nicotinic acetylcholine receptors: a patent evaluation (WO/2017/027600). <i>Expert Opinion on Therapeutic Patents</i> , 2018, 28, 429-436.	2.4	0
47	Facile and Cost-Effective Route for the Synthesis of Simmerafil. <i>Organic Process Research and Development</i> , 0, , .	1.3	0