

# Jingshan Shen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2241153/publications.pdf>

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  | One-Pot Synthesis of Molnupiravir from Cytidine. <i>Organic Process Research and Development</i> , 2022, 26, 358-364.   | 1.3 | 10        |
| 2  | 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         |
| 3  | 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         |
| 4  | Oral remdesivir derivative VV116 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        |
| 5  | TPN171H alleviates pulmonary hypertension via inhibiting inflammation in hypoxia and monocrotaline-induced rats. <i>Vascular Pharmacology</i> , 2022, 145, 107017.  | 1.0 | 3         |
| 6  | Synthesis and anti-SARS-CoV-2 activity of deuterated GS-441524 analogs. <i>Tetrahedron Letters</i> , 2022, 104, 154012.   | 0.7 | 6         |
| 7  | 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         |
| 8  | 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         |
| 9  | 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        |
| 10 | Significant Inhibition of Porcine Epidemic Diarrhea Virus In Vitro by Remdesivir, Its Parent Nucleoside and 2'-d-N4-hydroxycytidine. <i>Virologica Sinica</i> , 2021, 36, 997-1005.   | 1.2 | 12        |
| 11 | 9,10-Anhydrodehydroartemisinin Attenuates Experimental Autoimmune Encephalomyelitis by Inhibiting Th1 and Th17 Cell Differentiation. <i>Inflammation</i> , 2021, 44, 1793-1802.   | 1.7 | 11        |
| 12 | 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        |
| 13 | 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       |
| 14 | 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       |
| 15 | 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         |
| 16 | Potency and pharmacokinetics of GS-441524 derivatives against SARS-CoV-2. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 46, 116364.   | 1.4 | 21        |
| 17 | Design and development of an oral remdesivir derivative VV116 against SARS-CoV-2. <i>Cell Research</i> , 2021, 31, 1212-1214.   | 5.7 | 71        |
| 18 | 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         |

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|----|---|-----|-----------|
| 19 | Synthesis of CBD and Its Derivatives Bearing Various C4-Substituents with a Late-Stage Diversification Method. <i>Journal of Organic Chemistry</i> , 2020, 85, 2704-2715.   | 1.7 | 31        |
| 20 | 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         |
| 21 | 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        |
| 22 | 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         |
| 23 | 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       |
| 24 | 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         |
| 25 | An improved synthesis of telmisartan via the copper-catalyzed cyclization of haloarylamidines. <i>RSC Advances</i> , 2020, 10, 13717-13721.   | 1.7 | 8         |
| 26 | 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        |
| 27 | Continuation of structure-activity relationship study of novel benzamide derivatives as potential antipsychotics. <i>Archiv Der Pharmazie</i> , 2019, 352, 1800306.   | 2.1 | 2         |
| 28 | Oxidative Aromatization of 3,4-Dihydroquinolin-2(1H)-ones to Quinolin-2(1H)-ones Using Transition-Metal-Activated Persulfate Salts. <i>Journal of Organic Chemistry</i> , 2019, 84, 8702-8709.  | 1.7 | 10        |
| 29 | Pharmacokinetics-Driven Optimization of 4(3H)-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        |
| 30 | 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         |
| 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 | Rational design of 5-((1H-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        |
| 33 | 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         |
| 34 | 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         |
| 35 | 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         |
| 36 | Aminobenzisoxazole compounds as agonists of $\alpha_7$ nicotinic acetylcholine receptors: a patent evaluation (WO/2017027600). <i>Expert Opinion on Therapeutic Patents</i> , 2018, 28, 429-436.  | 2.4 | 0         |

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|----|--|-----|-----------|
| 37 | 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        |
| 38 | 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         |
| 39 | Facile Synthesis of Substituted 4-Alkoxy-2-oxazolines and Exploration of the Reaction Mechanism. <i>Synthesis</i> , 2016, 48, 1331-1343.   | 1.2 | 5         |
| 40 | 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        |
| 41 | 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        |
| 42 | Exploration of the 5-bromopyrimidin-4(3H)-ones as potent inhibitors of PDE5. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 4944-4947.  | 1.0 | 9         |
| 43 | 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        |
| 44 | 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       |
| 45 | 2-Phenylquinazolin-4(3H)-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        |
| 46 | An Improved Synthetic Route for Preparative Process of Vardenafil. <i>Organic Process Research and Development</i> , 2009, 13, 1206-1208.  | 1.3 | 7         |
| 47 | Facile and Cost-Effective Route for the Synthesis of Sildenafil. <i>Organic Process Research and Development</i> , 0, , .  | 1.3 | 0         |