

# Sushant Kumar Shrivastava

## List of Publications by Citations

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72  
papers

1,202  
citations

20  
h-index

31  
g-index

76  
ext. papers

1,499  
ext. citations

3.3  
avg, IF

4.92  
L-index

#	Paper	IF	Citations
72	Comprehensive review of mechanisms of pathogenesis involved in Alzheimer's disease and potential therapeutic strategies. <i>Progress in Neurobiology</i> , <b>2019</b> , 174, 53-89	10.9	137
71	Benzimidazole: a promising pharmacophore. <i>Medicinal Chemistry Research</i> , <b>2013</b> , 22, 5077-5104	2.2	63
70	Codrug: an efficient approach for drug optimization. <i>European Journal of Pharmaceutical Sciences</i> , <b>2010</b> , 41, 571-88	5.1	63
69	Sars-cov-2 host entry and replication inhibitors from Indian ginseng: an approach. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 4510-4521	3.6	53
68	Synthesis, characterization, evaluation and molecular dynamics studies of 5,6-diphenyl-1,2,4-triazin-3(2H)-one derivatives bearing 5-substituted 1,3,4-oxadiazole as potential anti-inflammatory and analgesic agents. <i>European Journal of Medicinal Chemistry</i> , <b>2015</b> , 101, 81-95	6.8	49
67	Design and development of multitarget-directed N-Benzylpiperidine analogs as potential candidates for the treatment of Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , <b>2019</b> , 167, 510-524	6.8	49
66	Biphenyl-3-oxo-1,2,4-triazine linked piperazine derivatives as potential cholinesterase inhibitors with anti-oxidant property to improve the learning and memory. <i>Bioorganic Chemistry</i> , <b>2019</b> , 85, 82-96	5.1	42
65	Design and development of some phenyl benzoxazole derivatives as a potent acetylcholinesterase inhibitor with antioxidant property to enhance learning and memory. <i>European Journal of Medicinal Chemistry</i> , <b>2019</b> , 163, 116-135	6.8	39
64	Design, synthesis, evaluation and molecular modelling studies of some novel 5,6-diphenyl-1,2,4-triazin-3(2H)-ones bearing five-member heterocyclic moieties as potential COX-2 inhibitors: A hybrid pharmacophore approach. <i>Bioorganic Chemistry</i> , <b>2016</b> , 69, 102-120	5.1	35
63	Design, synthesis, and biological evaluation of some novel indolizine derivatives as dual cyclooxygenase and lipoxygenase inhibitor for anti-inflammatory activity. <i>Bioorganic and Medicinal Chemistry</i> , <b>2017</b> , 25, 4424-4432	3.4	34
62	Design and development of molecular hybrids of 2-pyridylpiperazine and 5-phenyl-1,3,4-oxadiazoles as potential multifunctional agents to treat Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , <b>2019</b> , 183, 111707	6.8	27
61	Design and development of novel p-aminobenzoic acid derivatives as potential cholinesterase inhibitors for the treatment of Alzheimer's disease. <i>Bioorganic Chemistry</i> , <b>2019</b> , 82, 211-223	5.1	27
60	A facile microwave assisted one pot synthesis of novel xanthene derivatives as potential anti-inflammatory and analgesic agents. <i>Arabian Journal of Chemistry</i> , <b>2016</b> , 9, S480-S489	5.9	25
59	Synthesis, characterization and antiproliferative activity of 1,2-naphthoquinone and its derivatives. <i>Applied Biochemistry and Biotechnology</i> , <b>2012</b> , 167, 1430-45	3.2	25
58	Synthesis, characterization, in vitro anticancer activity, and docking of Schiff bases of 4-amino-1,2-naphthoquinone. <i>Medicinal Chemistry Research</i> , <b>2013</b> , 22, 1604-1617	2.2	24
57	Dextran carrier macromolecule for colon specific delivery of celecoxib. <i>Current Drug Delivery</i> , <b>2010</b> , 7, 144-51	3.2	21
56	Design, synthesis and evaluation of some N-methylenebenzenamine derivatives as selective acetylcholinesterase (AChE) inhibitor and antioxidant to enhance learning and memory. <i>Bioorganic and Medicinal Chemistry</i> , <b>2017</b> , 25, 1471-1480	3.4	20

55	Novel Molecular Hybrids of -Benzylpiperidine and 1,3,4-Oxadiazole as Multitargeted Therapeutics to Treat Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , <b>2019</b> , 10, 4361-4384	5.7	20
54	Design and development of novel N-(pyrimidin-2-yl)-1,3,4-oxadiazole hybrids to treat cognitive dysfunctions. <i>Bioorganic and Medicinal Chemistry</i> , <b>2019</b> , 27, 1327-1340	3.4	20
53	Design, synthesis, evaluation and molecular modeling studies of some novel N-substituted piperidine-3-carboxylic acid derivatives as potential anticonvulsants. <i>Medicinal Chemistry Research</i> , <b>2018</b> , 27, 1206-1225	2.2	20
52	Design, synthesis, and biological evaluation of ferulic acid based 1,3,4-oxadiazole hybrids as multifunctional therapeutics for the treatment of Alzheimer's disease. <i>Bioorganic Chemistry</i> , <b>2020</b> , 95, 103506	5.1	20
51	Synthesis, evaluation and molecular dynamics study of some new 4-aminopyridine semicarbazones as an anti-amnesic and cognition enhancing agents. <i>Bioorganic and Medicinal Chemistry</i> , <b>2013</b> , 21, 5451-6034	3.4	19
50	Design, synthesis, and anticonvulsant screening of some substituted piperazine and aniline derivatives of 5-phenyl-oxazolidin-2,4-diones and 5,5-diphenylimidazolidin-2,4 diones. <i>Medicinal Chemistry Research</i> , <b>2012</b> , 21, 2807-2822	2.2	19
49	Molecular Docking and Cogitation Validate Mefenamic Acid Prodrugs as Human Cyclooxygenase-2 Inhibitor. <i>Assay and Drug Development Technologies</i> , <b>2019</b> , 17, 285-291	2.1	17
48	Triacetyl resveratrol upregulates miRNA-200 and suppresses the Shh pathway in pancreatic cancer: A potential therapeutic agent. <i>International Journal of Oncology</i> , <b>2019</b> , 54, 1306-1316	4.4	17
47	Prodrugs of NSAIDs: A Review. <i>Open Medicinal Chemistry Journal</i> , <b>2017</b> , 11, 146-195	1.2	17
46	Concurrent Estimation of Clopidogrel Bisulfate and Aspirin in Tablets by Validated RP-HPLC Method. <i>Indian Journal of Pharmaceutical Sciences</i> , <b>2008</b> , 70, 667-9	1.5	16
45	Solid-phase synthesis of oligosaccharide drugs: a review. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2009</b> , 9, 169-85	3.2	15
44	Design and development of 1,3,4-oxadiazole derivatives as potential inhibitors of acetylcholinesterase to ameliorate scopolamine-induced cognitive dysfunctions. <i>Bioorganic Chemistry</i> , <b>2019</b> , 89, 103025	5.1	14
43	Evaluation of mefenamic acid mutual prodrugs. <i>Medicinal Chemistry Research</i> , <b>2013</b> , 22, 70-77	2.2	14
42	Cholinesterase as a Target for Drug Development in Alzheimer's Disease. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2089, 257-286	1.4	13
41	Synthesis and evaluation of some new 4-aminopyridine derivatives as a potent anti-amnesic and cognition enhancing drugs. <i>Medicinal Chemistry Research</i> , <b>2012</b> , 21, 4395-4402	2.2	12
40	Design, synthesis and evaluation of novel thiazolidinedione derivatives as anti-hyperglycemic and anti-hyperlipidemic agents. <i>Medicinal Chemistry Research</i> , <b>2016</b> , 25, 2258-2266	2.2	11
39	Synthesis, Molecular docking and Biological evaluation of 4-Cycloalkylideneamino 1, 2-Naphthoquinone Semicarbazones as Anticancer agents. <i>Asian Pacific Journal of Tropical Biomedicine</i> , <b>2012</b> , 2, S1040-S1046	1.4	10
38	Design, synthesis, preliminary pharmacological evaluation, and docking studies of pyrazoline derivatives. <i>Chemical Papers</i> , <b>2012</b> , 66,	1.9	10

37	Synthesis, characterization and biological evaluation of some novel fluoroquinolones. <i>Medicinal Chemistry Research</i> , <b>2016</b> , 25, 843-851	2.2	9
36	Design, synthesis, and evaluation of novel N-(4-phenoxybenzyl)aniline derivatives targeting acetylcholinesterase, $\beta$ amyloid aggregation and oxidative stress to treat Alzheimer's disease. <i>Bioorganic and Medicinal Chemistry</i> , <b>2019</b> , 27, 3650-3662	3.4	9
35	Synthesis and pharmacological evaluation of some N3-aryl/heteroaryl-substituted 2-(2-chlorostyryl)-6,7-dimethoxy-quinazolin-4(3H)-ones as potential anticonvulsant agents. <i>Medicinal Chemistry Research</i> , <b>2014</b> , 23, 4167-4176	2.2	9
34	Design, synthesis and evaluation of some new 4-aminopyridine derivatives in learning and memory. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2013</b> , 23, 2984-9	2.9	9
33	Polyamidoamine dendrimer and dextran conjugates: preparation, characterization, and in vitro and in vivo evaluation. <i>Chemical Papers</i> , <b>2010</b> , 64,	1.9	9
32	Design, Synthesis, Evaluation and Computational Studies of Nipecotic Acid-Acetonaphthone Hybrids as Potential Antiepileptic Agents. <i>Medicinal Chemistry</i> , <b>2018</b> , 14, 409-426	1.8	9
31	Anti-allergy and anti-tussive activity of <i>Clitoria ternatea</i> L. in experimental animals. <i>Journal of Ethnopharmacology</i> , <b>2018</b> , 224, 15-26	5	9
30	The Impact of obesity and diabetes mellitus on pancreatic cancer: Molecular mechanisms and clinical perspectives. <i>Journal of Cellular and Molecular Medicine</i> , <b>2020</b> , 24, 7706-7716	5.6	8
29	Computational exploration and experimental validation to identify a dual inhibitor of cholinesterase and amyloid-beta for the treatment of Alzheimer's disease. <i>Journal of Computer-Aided Molecular Design</i> , <b>2020</b> , 34, 983-1002	4.2	8
28	Synthesis, cytotoxic evaluation, docking and in silico pharmacokinetic prediction of 4-arylideneamino/cycloalkylideneamino 1, 2-naphthoquinone thiosemicarbazones. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2013</b> , 28, 1192-8	5.6	8
27	Dextran Carrier Macromolecules for Colon-specific Delivery of 5-Aminosalicylic Acid. <i>Indian Journal of Pharmaceutical Sciences</i> , <b>2013</b> , 75, 277-83	1.5	8
26	Antimalarial drug development: past to present scenario. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2009</b> , 9, 1447-69	3.2	7
25	Design, synthesis, anticonvulsant screening and 5HT <sub>1A/2A</sub> receptor affinity of N(3)-substituted 2,4-imidazolidinediones and oxazolidinediones. <i>Drug Discoveries and Therapeutics</i> , <b>2011</b> , 5, 227-37	5	7
24	Design, synthesis, and evaluation of N-benzylpyrrolidine and 1,3,4-oxadiazole as multitargeted hybrids for the treatment of Alzheimer's disease. <i>Bioorganic Chemistry</i> , <b>2021</b> , 111, 104922	5.1	7
23	Design, synthesis, and multitargeted profiling of N-benzylpyrrolidine derivatives for the treatment of Alzheimer's disease. <i>Bioorganic and Medicinal Chemistry</i> , <b>2020</b> , 28, 115721	3.4	6
22	Development and validation of a HPLC method for the simultaneous estimation of amlodipin and telmisartan in pharmaceutical dosage form. <i>Asian Pacific Journal of Tropical Biomedicine</i> , <b>2012</b> , 2, S312-S315	1.4	5
21	Pharmacophoric modeling and atom-based 3D-QSAR of novel 1-aryl-3-(1-acylpiperidin-4-yl) urea as human soluble epoxide hydrolase inhibitors (sEHIs). <i>Medicinal Chemistry</i> , <b>2011</b> , 7, 581-92	1.8	4
20	An overview on antiepileptic drugs. <i>Drug Discoveries and Therapeutics</i> , <b>2012</b> ,	5	4

19	Synthesis, characterization, biological evaluation and docking of coumarin coupled thiazolidinedione derivatives and its bioisosteres as PPAR $\gamma$ agonists. <i>Medicinal Chemistry</i> , <b>2012</b> , 8, 834-45	1.8	4
18	The molecular mechanism, targets, and novel molecules in the treatment of Alzheimer's disease.. <i>Bioorganic Chemistry</i> , <b>2021</b> , 119, 105562	5.1	4
17	Benzoxazinones as Human Peroxisome Proliferator Activated Receptor Gamma (PPAR $\gamma$ ) Agonists: A Docking Study Using Glide. <i>Indian Journal of Pharmaceutical Sciences</i> , <b>2011</b> , 73, 159-64	1.5	4
16	Beyond the Blood-Brain Barrier: Facing New Challenges and Prospects of Nanotechnology-Mediated Targeted Delivery to the Brain <b>2018</b> , 397-437		4
15	Biomaterials for Sustained and Controlled Delivery of Small Drug Molecules <b>2019</b> , 89-152		3
14	Design, synthesis and pharmacological evaluation of some pyrazolopyrimidin-6(7H)-ones and tricyclic 8-oxo-dihydrooxazolopyrazolopyrimidin-9-ium chloride derivatives. <i>Arabian Journal of Chemistry</i> , <b>2017</b> , 10, S3614-S3621	5.9	3
13	Lamotrigine-dextran conjugates-synthesis, characterization, and biological evaluation. <i>Medicinal Chemistry Research</i> , <b>2011</b> , 20, 595-600	2.2	3
12	Dextran successful carrier molecule for the delivery of NSAIDs with reduced gastrointestinal effect. <i>Journal of Drug Delivery Science and Technology</i> , <b>2010</b> , 20, 135-142	4.5	3
11	Identification of antifungal and antibacterial biomolecules from a cyanobacterium, <i>Arthrospira platensis</i> . <i>Algal Research</i> , <b>2021</b> , 54, 102215	5	3
10	Design, synthesis, and evaluation of some novel biphenyl imidazole derivatives for the treatment of Alzheimer's disease. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1246, 131152	3.4	3
9	Synthesis, kinetics and pharmacological evaluation of mefenamic acid mutual prodrug. <i>Acta Poloniae Pharmaceutica</i> , <b>2013</b> , 70, 905-11	1.3	3
8	Synthesis, characterization and biological evaluation of some glutathione inducing amino acid conjugates of valproic acid with reduced hepatotoxicity. <i>Asian Pacific Journal of Tropical Disease</i> , <b>2012</b> , 2, S218-S222		2
7	Chronic alcohol exposure induces hepatocyte damage by inducing oxidative stress, SATB2 and stem cell-like characteristics, and activating lipogenesis.. <i>Journal of Cellular and Molecular Medicine</i> , <b>2022</b> ,	5.6	2
6	Synthesis, evaluation and docking studies of some 4-thiazolone derivatives as effective lipoxigenase inhibitors. <i>Chemical Papers</i> , <b>2018</b> , 72, 2769-2783	1.9	2
5	Synthesis, Kinetics and Pharmacological Comparison of a Mutual Prodrug of Mefenamic Acid to Related Physical Mixture. <i>Pharmaceutical Chemistry Journal</i> , <b>2014</b> , 48, 253-259	0.9	1
4	Small Molecules Antileishmanials: A Review. <i>Letters in Drug Design and Discovery</i> , <b>2012</b> , 9, 535-548	0.8	1
3	Synthesis, characterisation, and biological activity of three new amide prodrugs of lamotrigine with reduced hepatotoxicity. <i>Chemical Papers</i> , <b>2011</b> , 65,	1.9	1
2	Design, synthesis and pharmacological evaluation of N3 aryl/ heteroaryl substituted 2-((benzyloxy and phenylthio) methyl) 6,7- dimethoxyquinazolin-4(3H)-ones as potential anticonvulsant agents. <i>Medicinal Chemistry</i> , <b>2014</b> , 10, 800-9	1.8	1

- 1 Drug reposition-based design, synthesis, and biological evaluation of dual inhibitors of acetylcholinesterase and  $\beta$ -secretase for treatment of Alzheimer's disease. *Journal of Molecular Structure*, **2022**, 132979 3.4 1