

# Sushant Kumar Shrivastava

## List of Publications by Year in descending order

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73  
papers

1,949  
citations

257450

24  
h-index

289244

40  
g-index

76  
all docs

76  
docs citations

76  
times ranked

2625  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive review of mechanisms of pathogenesis involved in Alzheimer's disease and potential therapeutic strategies. <i>Progress in Neurobiology</i> , 2019, 174, 53-89.	5.7	223
2	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> , 2019, 85, 82-96.	4.1	96
3	Sars-cov-2 host entry and replication inhibitors from Indian ginseng: an <i>in-silico</i> approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 4510-4521.	3.5	95
4	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> , 2019, 163, 116-135.	5.5	94
5	Benzimidazole: a promising pharmacophore. <i>Medicinal Chemistry Research</i> , 2013, 22, 5077-5104.	2.4	93
6	Codrug: An efficient approach for drug optimization. <i>European Journal of Pharmaceutical Sciences</i> , 2010, 41, 571-588.	4.0	83
7	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> , 2019, 167, 510-524.	5.5	76
8	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> , 2015, 101, 81-95.	5.5	62
9	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> , 2017, 25, 4424-4432.	3.0	48
10	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> , 2019, 183, 1117-11707.	5.5	46
11	Synthesis, characterization, <i>in vitro</i> anticancer activity, and docking of Schiff bases of 4-amino-1,2-naphthoquinone. <i>Medicinal Chemistry Research</i> , 2013, 22, 1604-1617.	2.4	45
12	Design and development of novel p-aminobenzoic acid derivatives as potential cholinesterase inhibitors for the treatment of Alzheimer's disease. <i>Bioorganic Chemistry</i> , 2019, 82, 211-223.	4.1	42
13	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> , 2016, 69, 102-120.	4.1	41
14	Novel Molecular Hybrids of N-Benzylpiperidine and 1,3,4-Oxadiazole as Multitargeted Therapeutics to Treat Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2019, 10, 4361-4384.	3.5	40
15	Molecular Docking and <i>In Silico</i> Cogitation Validate Mefenamic Acid Prodrugs as Human Cyclooxygenase-2 Inhibitor. <i>Assay and Drug Development Technologies</i> , 2019, 17, 285-291.	1.2	37
16	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> , 2020, 95, 103506.	4.1	34
17	A facile microwave assisted one pot synthesis of novel xanthene derivatives as potential anti-inflammatory and analgesic agents. <i>Arabian Journal of Chemistry</i> , 2016, 9, S480-S489.	4.9	33
18	Prodrugs of NSAIDs: A Review. <i>Open Medicinal Chemistry Journal</i> , 2017, 11, 146-195.	2.4	29

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19	Design and development of novel N-(pyrimidin-2-yl)-1,3,4-oxadiazole hybrids to treat cognitive dysfunctions. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 1327-1340.	3.0	29
20	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> , 2012, 21, 2807-2822.	2.4	27
21	Synthesis, Characterization and Antiproliferative Activity of 1,2-Naphthoquinone and Its Derivatives. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 1430-1445.	2.9	27
22	Design, synthesis and evaluation of some N -methylenbenzenamine derivatives as selective acetylcholinesterase (AChE) inhibitor and antioxidant to enhance learning and memory. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 1471-1480.	3.0	27
23	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> , 2018, 27, 1206-1225.	2.4	27
24	Design and development of 1,3,4-oxadiazole derivatives as potential inhibitors of acetylcholinesterase to ameliorate scopolamine-induced cognitive dysfunctions. <i>Bioorganic Chemistry</i> , 2019, 89, 103025.	4.1	27
25	The Impact of obesity and diabetes mellitus on pancreatic cancer: Molecular mechanisms and clinical perspectives. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 7706-7716.	3.6	26
26	The molecular mechanism, targets, and novel molecules in the treatment of Alzheimer's disease. <i>Bioorganic Chemistry</i> , 2022, 119, 105562.	4.1	26
27	Dextran Carrier Macromolecule for Colon Specific Delivery of Celecoxib. <i>Current Drug Delivery</i> , 2010, 7, 144-151.	1.6	25
28	Triacetyl resveratrol upregulates miRNA-200 and suppresses the Shh pathway in pancreatic cancer: A potential therapeutic agent. <i>International Journal of Oncology</i> , 2019, 54, 1306-1316.	3.3	25
29	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> , 2021, 111, 104922.	4.1	24
30	Concurrent estimation of clopidogrel bisulfate and aspirin in tablets by validated RP-HPLC method. <i>Indian Journal of Pharmaceutical Sciences</i> , 2008, 70, 667.	1.0	24
31	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> , 2013, 21, 5451-5460.	3.0	23
32	Cholinesterase as a Target for Drug Development in Alzheimer's Disease. <i>Methods in Molecular Biology</i> , 2020, 2089, 257-286.	0.9	20
33	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> , 2020, 34, 983-1002.	2.9	19
34	Design, synthesis, and multitargeted profiling of N-benzylpyrrolidine derivatives for the treatment of Alzheimer's disease. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115721.	3.0	19
35	Solid-Phase Synthesis of Oligosaccharide Drugs: A Review. <i>Mini-Reviews in Medicinal Chemistry</i> , 2009, 9, 169-185.	2.4	17
36	Evaluation of mefenamic acid mutual prodrugs. <i>Medicinal Chemistry Research</i> , 2013, 22, 70-77.	2.4	17

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37	Synthesis, characterization and biological evaluation of some novel fluoroquinolones. <i>Medicinal Chemistry Research</i> , 2016, 25, 843-851.	2.4	17
38	Anti-allergy and anti-tussive activity of <i>Clitoria ternatea</i> L. in experimental animals. <i>Journal of Ethnopharmacology</i> , 2018, 224, 15-26.	4.1	16
39	Synthesis and evaluation of some new 4-aminopyridine derivatives as a potent anti-amnesic and cognition enhancing drugs. <i>Medicinal Chemistry Research</i> , 2012, 21, 4395-4402.	2.4	15
40	Identification of antifungal and antibacterial biomolecules from a cyanobacterium, <i>Arthrospira platensis</i> . <i>Algal Research</i> , 2021, 54, 102215.	4.6	15
41	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> , 2019, 27, 3650-3662.	3.0	14
42	Antimalarial Drug Development: Past to Present Scenario. <i>Mini-Reviews in Medicinal Chemistry</i> , 2009, 9, 1447-1469.	2.4	13
43	Design, synthesis and evaluation of novel thiazolidinedione derivatives as anti-hyperglycemic and anti-hyperlipidemic agents. <i>Medicinal Chemistry Research</i> , 2016, 25, 2258-2266.	2.4	13
44	Polyamidoamine dendrimer and dextran conjugates: preparation, characterization, and in vitro and in vivo evaluation. <i>Chemical Papers</i> , 2010, 64, .	2.2	12
45	Design, synthesis, preliminary pharmacological evaluation, and docking studies of pyrazoline derivatives. <i>Chemical Papers</i> , 2012, 66, .	2.2	12
46	Synthesis, Molecular docking and Biological evaluation of 4-Cycloalkylideneamino 1, 2-Naphthoquinone Semicarbazones as Anticancer agents. <i>Asian Pacific Journal of Tropical Biomedicine</i> , 2012, 2, S1040-S1046.	1.2	11
47	Design, synthesis and evaluation of some new 4-aminopyridine derivatives in learning and memory. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 2984-2989.	2.2	11
48	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> , 2014, 23, 4167-4176.	2.4	11
49	Dextran carrier macromolecules for colon-specific delivery of 5-aminosalicylic acid. <i>Indian Journal of Pharmaceutical Sciences</i> , 2013, 75, 277.	1.0	11
50	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> , 2013, 28, 1192-1198.	5.2	10
51	Design, synthesis, and evaluation of some novel biphenyl imidazole derivatives for the treatment of Alzheimer's disease. <i>Journal of Molecular Structure</i> , 2021, 1246, 131152.	3.6	10
52	Design, Synthesis, Evaluation and Computational Studies of Niprocotic Acid-Acetonaphthone Hybrids as Potential Antiepileptic Agents. <i>Medicinal Chemistry</i> , 2018, 14, 409-426.	1.5	10
53	An overview on antiepileptic drugs. <i>Drug Discoveries and Therapeutics</i> , 2012, , .	1.5	9
54	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> , 2022, 26, 2119-2131.	3.6	9

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55	Lamotrigineâ€“dextran conjugates-synthesis, characterization, and biological evaluation. Medicinal Chemistry Research, 2011, 20, 595-600.	2.4	7
56	Design, synthesis, anticonvulsant screening and 5HT<sub>1A/2A</sub> receptor affinity of N<sup>3</sup>-substituted 2,4-imidazolidinediones and oxazolidinediones. Drug Discoveries and Therapeutics, 2011, 5, 227-237.	1.5	7
57	Development and validation of a HPLC method for the simultaneous estimation of amlodipin and telmisartan in pharmaceutical dosage form. Asian Pacific Journal of Tropical Biomedicine, 2012, 2, S312-S315.	1.2	7
58	Beyond the Bloodâ€“Brain Barrier. , 2018, , 397-437.		6
59	Biomaterials for Sustained and Controlled Delivery of Small Drug Molecules. , 2019, , 89-152.		6
60	Drug reposition-based design, synthesis, and biological evaluation of dual inhibitors of acetylcholinesterase and Î²-Secretase for treatment of Alzheimer's disease. Journal of Molecular Structure, 2022, 1262, 132979.	3.6	6
61	Synthesis, Characterization, Biological Evaluation and Docking of Coumarin Coupled Thiazolidinedione Derivatives and its Bioisosteres as PPARÎ³ Agonists. Medicinal Chemistry, 2012, 8, 834-845.	1.5	5
62	Synthesis, evaluation and docking studies of some 4-thiazolone derivatives as effective lipoxigenase inhibitors. Chemical Papers, 2018, 72, 2769-2783.	2.2	5
63	Benzoxazinones as human peroxisome proliferator activated receptor gamma (PPARÎ³) agonists: A docking study using glide. Indian Journal of Pharmaceutical Sciences, 2011, 73, 159.	1.0	5
64	Pharmacophoric Modeling and Atom-Based 3D-QSAR of Novel 1-Aryl-3-(1-acylpiperidin-4-yl) Urea as Human Soluble Epoxide Hydrolase Inhibitors (sEHIs). Medicinal Chemistry, 2011, 7, 581-592.	1.5	4
65	Synthesis, characterization and biological evaluation of some glutathione inducing amino acid conjugates of valproic acid with reduced hepatotoxicity. Asian Pacific Journal of Tropical Disease, 2012, 2, S218-S222.	0.5	4
66	Design, synthesis and pharmacological evaluation of some pyrazolopyrimidin-6(7H)-ones and tricyclic 8-oxo-dihydrooxazolopyrazolopyrimidin-9-ium chloride derivatives. Arabian Journal of Chemistry, 2017, 10, S3614-S3621.	4.9	4
67	Synthesis, kinetics and pharmacological evaluation of mefenamic acid mutual prodrug. Acta Poloniae Pharmaceutica, 2013, 70, 905-11.	0.1	4
68	Dextran successful carrier molecule for the delivery of NSAIDs with reduced gastrointestinal effect. Journal of Drug Delivery Science and Technology, 2010, 20, 135-142.	3.0	3
69	Synthesis, characterisation, and biological activity of three new amide prodrugs of lamotrigine with reduced hepatotoxicity. Chemical Papers, 2011, 65, .	2.2	3
70	Synthesis, Kinetics and Pharmacological Comparison of a Mutual Prodrug of Mefenamic Acid to Related Physical Mixture. Pharmaceutical Chemistry Journal, 2014, 48, 253-259.	0.8	3
71	Small Molecules Antileishmanials: A Review. Letters in Drug Design and Discovery, 2012, 9, 535-548.	0.7	1
72	Design, Synthesis and Pharmacological Evaluation of N3 Aryl/ Heteroaryl Substituted 2-((Benzyloxy) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Medicinal Chemistry, 2014, 10, 800-809.	1.5	1

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73	Design and Development of Multifunctional Hybrids of Ferulic Acid and 1,3,4-Oxadiazoles for the Treatment of Alzheimer's Disease. Current Trends in Biotechnology and Pharmacy, 2020, 14, 81-96.	0.3	0