Sarbjit Singh

List of Publications by Year
in descending order

67 papers	1,282 citations	304368 22 h-index	395343 33 g-index
76 all docs	76 docs citations	76 times ranked	1925 citing authors

#	Article	IF	Citations
1	Protonated (S)-prolinamide derivativesâ€"water compatible organocatalysts for direct asymmetric aldol reaction. Tetrahedron: Asymmetry, 2008, 19, 2276-2284.	1.8	73
2	Synthesis and Anti-HIV and Anti-HBV Activities of 2â€˜-Fluoro-2â€˜,3â€˜-unsaturated l-Nucleosides. Journal of Medicinal Chemistry, 1999, 42, 1320-1328.	2.9	71
3	A Novel Small-Molecule Inhibitor Targeting the IL-6 Receptor Î² Subunit, Glycoprotein 130. Journal of Immunology, 2015, 195, 237-245.	0.4	71
4	Histone deacetylase inhibitor KBH-A42 inhibits cytokine production in RAW 264.7 macrophage cells and in vivo endotoxemia model. Experimental and Molecular Medicine, 2008, 40, 574.	3.2	54
5	Recent Advances in the Development of Pharmacologically Active Compounds that Contain a Benzoxazole Scaffold. Asian Journal of Organic Chemistry, 2015, 4, 1338-1361.	1.3	54
6	HIF-1Î± inhibitors: Synthesis and biological evaluation of novel moracin O and P analogues. European Journal of Medicinal Chemistry, 2011, 46, 2386-2396.	2.6	51
7	An Overview of Saturated Cyclic Ethers: Biological Profiles and Synthetic Strategies. Molecules, 2019, 24, 3778.	1.7	45
8	Schiff Bases and their Metal Complexes as Anti-Cancer Agents: A Review. Current Bioactive Compounds, 2015, 11, 215-230.	0.2	44
9	A Practical Synthesis of L-FMAU from L-Arabinose. Nucleosides & Nucleotides, 1999, 18, 187-195.	0.5	43
10	The first total synthesis of moracin O and moracin P, and establishment of the absolute configuration of moracin O. Chemical Communications, 2009, , 1879.	2.2	41
11	Asymmetric syn-selective direct aldol reaction of protected hydroxyacetone catalyzed by primary amino acid derived bifunctional organocatalyst in the presence of water. Organic and Biomolecular Chemistry, 2011, 9, 2731.	1.5	39
12	Liverâ€Specific and Echogenic Hyaluronic Acid Nanoparticles Facilitating Liver Cancer Discrimination. Advanced Functional Materials, 2013, 23, 5518-5529.	7.8	39
13	Recent Drug-Repurposing-Driven Advances in the Discovery of Novel Antibiotics. Current Medicinal Chemistry, 2019, 26, 5363-5388.	1.2	39
14	A novel pyrazole derivative protects from ovariectomy-induced osteoporosis through the inhibition of NADPH oxidase. Scientific Reports, 2016, 6, 22389.	1.6	38
15	The pH of the reaction controls the stereoselectivity of organocatalyzed direct aldol reactions in water. Tetrahedron: Asymmetry, 2009, 20, 1722-1724.	1.8	37
16	Effective Killing of Cancer Cells Through ROS-Mediated Mechanisms by AMRI-59 Targeting Peroxiredoxin I. Antioxidants and Redox Signaling, 2016, 24, 453-469.	2.5	36
17	Synthesis and Structureâ€"Activity Relationship Study of Chemical Probes as Hypoxia Induced Factor-1Î±/Malate Dehydrogenase 2 Inhibitors. Journal of Medicinal Chemistry, 2014, 57, 9522-9538.	2.9	34
18	Synthesis and Potent Anti-HIV Activity of l-2â€˜,3â€˜-Didehydro-2â€˜,3â€˜-dideoxy-2â€˜-fluoro-4â€˜-thiocytidine. Organic Letters, 2002, 4, 305-307.	2.4	28

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19	Recent Advances in Iodine Monochloride Mediated Electrophilic Cyclizations. Synthesis, 2015, 47, 1961-1989.	1.2	27
20	Current status of anti-HBV chemotherapy. Archives of Pharmacal Research, 1998, 21, 89-105.	2.7	25
21	An Insight into Drug Repositioning for the Development of Novel Anti-Cancer Drugs. Current Topics in Medicinal Chemistry, 2016, 16, 2156-2168.	1.0	24
22	New Classes of Fluorinated L-Nucleosides; Synthesis and Antiviral Activity. Nucleosides & Nucleotides, 1999, 18, 537-540.	0.5	23
23	Recent Advances in Synthesis and Antifungal Activity of 1,3,5-triazines. Current Organic Synthesis, 2016, 13, 484-503.	0.7	20
24	A novel class of highly potent multidrug resistance reversal agents: Disubstituted adamantyl derivatives. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 5376-5379.	1.0	17
25	From the Cover: Ethylmercury-Induced Oxidative and Endoplasmic Reticulum Stress-Mediated Autophagic Cell Death: Involvement of Autophagosomeâ€“Lysosome Fusion Arrest. Toxicological Sciences, 2016, 154, 27-42.	1.4	17
26	Inhibitors, PROTACs and Molecular Glues as Diverse Therapeutic Modalities to Target Cyclin-Dependent Kinase. Cancers, 2021, 13, 5506.	1.7	17
27	Chiral amine catalyzed enantio- and diastereoselective Michael reaction in brine. Tetrahedron: Asymmetry, 2012, 23, 1068-1079.	1.8	16
28	L-Nucleoside Analogues as Potential Antimalarials That Selectively TargetPlasmodium FalclparumAdenosine Deaminase. Nucleosides & Nucleotides, 1999, 18, 2521-2532.	0.5	15
29	Structureâ€“activity relationship study of a series of novel oxazolidinone derivatives as IL-6 signaling blockers. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 1282-1286.	1.0	15
30	A protecting group-free divergent synthesis of natural benzofurans via one-pot synthesis of 2-bromo-6-hydroxybenzofurans. Organic and Biomolecular Chemistry, 2019, 17, 2153-2161.	1.5	14
31	Synthesis and Structureâ€“Activity Relationships of Arylsulfonamides as AIMP2-DX2 Inhibitors for the Development of a Novel Anticancer Therapy. Journal of Medicinal Chemistry, 2020, 63, 5139-5158.	2.9	13
32	Journey Heading towards Enantioselective Synthesis Assisted by Organocatalysis. Chemical Record, 2018, 18, 137-153.	2.9	12
33	Schweinfurthins Aâ€“Q: isolation, synthesis, and biochemical properties. RSC Advances, 2018, 8, 21191-21209.	1.7	11
34	Synthesis and Cytotoxicity Studies of Bioactive Benzofurans from Lavandula agustifolia and Modified Synthesis of Ailanthoidol, Homoegonol, and Egonol. Journal of Natural Products, 2020, 83, 3354-3362.	1.5	10
35	The disubstituted adamantyl derivative LW1564 inhibits the growth of cancer cells by targeting mitochondrial respiration and reducing hypoxia-inducible factor (HIF)-1Î± accumulation. Experimental and Molecular Medicine, 2020, 52, 1845-1856.	3.2	10
36	Combination of LMT-28 and Metformin Improves Beneficial Anti-Inflammatory Effect in Collagen-Induced Arthritis. Pharmacology, 2021, 106, 53-59.	0.9	10

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37	Crystal Structure of Dimeric Human Peroxiredoxinâ€1 <scp>C83S</scp> Mutant. Bulletin of the Korean Chemical Society, 2015, 36, 1543-1545.	1.0	9
38	Structure activity relationship (SAR) study identifies a quinoxaline urea analog that modulates IKKÎ² phosphorylation for pancreatic cancer therapy. European Journal of Medicinal Chemistry, 2021, 222, 113579.	2.6	9
39	Nucleosides with Modified Sugar Ring: Synthesis and Biological Activities. Current Organic Chemistry, 2016, 20, 856-897.	0.9	9
40	Recent Advances in Anticancer Chemotherapeutics based upon Azepine Scaffold. Anti-Cancer Agents in Medicinal Chemistry, 2016, 16, 539-557.	0.9	9
41	Non-Selective Cannabinoid Receptor Antagonists, Hinokiresinols Reduce Infiltration of Microglia/Macrophages into Ischemic Brain Lesions in Rat via Modulating 2-Arachidonolyglycerol-Induced Migration and Mitochondrial Activity. PLoS ONE, 2015, 10, e0141600.	1.1	7
42	Discovery of a novel series of N -hydroxypyridone derivatives protecting astrocytes against hydrogen peroxide-induced toxicity via improved mitochondrial functionality. Bioorganic and Medicinal Chemistry, 2017, 25, 1394-1405.	1.4	7
43	Iodineâ€Promoted Oneâ€pot Synthesis of Highly Substituted 4â€Aminopyrroles and Bisâ€4â€aminopyrrole from Aryl Methyl Ketones, Arylamines, and Enamines. Advanced Synthesis and Catalysis, 2018, 360, 4073-4079.	2.1	7
44	Elucidation of Mechanism for Ligand Efficacy at Leukotriene B₄ Receptor 2 (BLT2). ACS Medicinal Chemistry Letters, 2020, 11, 1529-1534.	1.3	7
45	In vitro and in vivo pharmacokinetic characterization of LMT-28 as a novel small molecular interleukin-6 inhibitor. Asian-Australasian Journal of Animal Sciences, 2020, 33, 670-677.	2.4	7
46	Synthesis and evaluation of (+)-decursin derivatives as inhibitors of the Wnt/Î²-catenin pathway. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3529-3532.	1.0	6
47	Small molecule binding to inhibitor of nuclear factor kappa-B kinase subunit beta in an ATP non-competitive manner. Chemical Communications, 2021, 57, 4678-4681.	2.2	6
48	Total Synthesis of the Neuroprotective Agent Cudraisoflavone J. Journal of Natural Products, 2021, 84, 1359-1365.	1.5	6
49	Pyrrolo[2,1-f][1,2,4]triazine: a promising fused heterocycle to target kinases in cancer therapy. Medicinal Chemistry Research, 2022, 31, 1-25.	1.1	6
50	Amelioration of Cerebral Ischemic Injury by a Synthetic Seco-nucleoside LMT497. Experimental Neurobiology, 2015, 24, 31-40.	0.7	5
51	Stereoselective Synthesis of Antiâ€Hepatitisâ€…B Drug, Entecavir, through Regioâ€and Stereoselective Epoxide Cleavage. Asian Journal of Organic Chemistry, 2017, 6, 1213-1218.	1.3	5
52	Suppression of Hepatitis C Virus Genome Replication and Particle Production by a Novel Diacylglycerol Acyltransferases Inhibitor. Molecules, 2018, 23, 2083.	1.7	5
53	Spirocyclic dimer SpiD7 activates the unfolded protein response to selectively inhibit growth and induce apoptosis of cancer cells. Journal of Biological Chemistry, 2022, 298, 101890.	1.6	5
54	Fbxo7 promotes Cdk6 activity to inhibit PFKP and glycolysis in T cells. Journal of Cell Biology, 2022, 221, .	2.3	5

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55	A Divergent Approach for the Synthesis of d- and l-4â€²-Ethynyl Dioxolane Nucleosides with Potent Anti-HIV Activity. Synthesis, 2016, 48, 3050-3056.	1.2	4
56	Elucidation of the inhibition mechanism of sulfiredoxin using molecular modeling and development of its inhibitors. Journal of Molecular Graphics and Modelling, 2019, 92, 208-215.	1.3	4
57	Combination of gp130-targeting and TNF-targeting small molecules in alleviating arthritis through the down-regulation of Th17 differentiation and osteoclastogenesis. Biochemical and Biophysical Research Communications, 2020, 522, 1030-1036.	1.0	4
58	Selective CDK9 degradation using a proteolysis-targeting chimera (PROTAC) strategy. Future Medicinal Chemistry, 2022, 14, 131-134.	1.1	4
59	Small-molecule IKKÎ² activation modulator (IKAM) targets MAP3K1 and inhibits pancreatic tumor growth. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2115071119.	3.3	3
60	AIMP2-DX2 provides therapeutic interface to control KRAS-driven tumorigenesis. Nature Communications, 2022, 13, 2572.	5.8	3
61	Up-regulation of astroglial heme oxygenase-1 by a synthetic (S)-verbenone derivative LMT-335 ameliorates oxygenâ€“glucose deprivation-evoked injury in cortical neurons. Biochemical and Biophysical Research Communications, 2013, 431, 484-489.	1.0	2
62	Catalystâ€Free Oneâ€Pot Multiâ€Component Synthesis of 2â€Substituted Quinazolinâ€4â€carboxamides from 2â€Aminophenylâ€2â€oxoacetamides, Aldehydes, and Ammonium Acetate. ChemistrySelect, 2021, 6, 5446-5450.	0.7	2
63	Synthesis and biological activity of 5-hydroxy-4-quinolones and 5-methoxy-4-quinolones as truncated acridones. Archives of Pharmacal Research, 1998, 21, 445-451.	2.7	1
64	Synthesis and Biological Evaluation of 4/5â€Aroylâ€2â€aminoimidazoles as Microbial Biofilm Inhibitors. ChemistrySelect, 2020, 5, 5965-5969.	0.7	1
65	Fructose-1,6-bisphosphatase Inhibitors: A Review of Recent (2000- 2017) Advances and Structure-Activity Relationship Studies. Current Medicinal Chemistry, 2019, 26, 5542-5563.	1.2	1
66	A Novel Spirocyclic Dimer (36-286) Targeting the NF-Kappa B Pathway Displays Potent Anti-Tumor Properties in Chronic Lymphocytic Leukemia. Blood, 2021, 138, 1186-1186.	0.6	0
67	Toxicodendron vernicifluum (sumac) Inhibits Mast Cell Degranulation by Suppressing the Syk/PLCÎ³ Signaling Pathway in RBL-2H3 Cells. Food Supplements and Biomaterials for Health, 2021, 1, .	0.3	0