

Chakrabhavi Mohan

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68 papers	1,825 citations	29 h-index	40 g-index
72 ext. papers	2,185 ext. citations	4.2 avg, IF	4.46 L-index

#	Paper	IF	Citations
68	Development of a novel azaspirane that targets the Janus kinase-signal transducer and activator of transcription (STAT) pathway in hepatocellular carcinoma in vitro and in vivo. <i>Journal of Biological Chemistry</i> , 2014 , 289, 34296-307	5.4	111
67	Modulating autophagy in cancer therapy: Advancements and challenges for cancer cell death sensitization. <i>Biochemical Pharmacology</i> , 2018 , 147, 170-182	6	108
66	Trisubstituted-Imidazoles Induce Apoptosis in Human Breast Cancer Cells by Targeting the Oncogenic PI3K/Akt/mTOR Signaling Pathway. <i>PLoS ONE</i> , 2016 , 11, e0153155	3.7	84
65	Synthesis of 1,2-benzisoxazole tethered 1,2,3-triazoles that exhibit anticancer activity in acute myeloid leukemia cell lines by inhibiting histone deacetylases, and inducing p21 and tubulin acetylation. <i>Bioorganic and Medicinal Chemistry</i> , 2015 , 23, 6157-65	3.4	74
64	Breast Cancer Stem-Like Cells Are Inhibited by Diosgenin, a Steroidal Saponin, by the Attenuation of the Wnt β Catenin Signaling via the Wnt Antagonist Secreted Frizzled Related Protein-4. <i>Frontiers in Pharmacology</i> , 2017 , 8, 124	5.6	60
63	Novel synthetic biscoumarins target tumor necrosis factor- α in hepatocellular carcinoma in vitro and in vivo. <i>Journal of Biological Chemistry</i> , 2014 , 289, 31879-31890	5.4	54
62	Novel 1,3,4-Oxadiazole Induces Anticancer Activity by Targeting NF- κ B in Hepatocellular Carcinoma Cells. <i>Frontiers in Oncology</i> , 2018 , 8, 42	5.3	52
61	Novel synthetic coumarins that targets NF- κ B in Hepatocellular carcinoma. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 893-7	2.9	52
60	Cardamonin represses proliferation, invasion, and causes apoptosis through the modulation of signal transducer and activator of transcription 3 pathway in prostate cancer. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2017 , 22, 158-168	5.4	51
59	Unconjugated Bilirubin exerts Pro-Apoptotic Effect on Platelets via p38-MAPK activation. <i>Scientific Reports</i> , 2015 , 5, 15045	4.9	48
58	Synthesis and characterization of novel 2-amino-chromene-nitriles that target Bcl-2 in acute myeloid leukemia cell lines. <i>PLoS ONE</i> , 2014 , 9, e107118	3.7	46
57	Targeting Heparanase in Cancer: Inhibition by Synthetic, Chemically Modified, and Natural Compounds. <i>iScience</i> , 2019 , 15, 360-390	6.1	45
56	Methotrexate Promotes Platelet Apoptosis via JNK-Mediated Mitochondrial Damage: Alleviation by N-Acetylcysteine and N-Acetylcysteine Amide. <i>PLoS ONE</i> , 2015 , 10, e0127558	3.7	42
55	A novel 4,6-disubstituted-1,2,4-triazolo-1,3,4-thiadiazole derivative inhibits tumor cell invasion and potentiates the apoptotic effect of TNF α by abrogating NF- κ B activation cascade. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2017 , 22, 145-157	5.4	41
54	Biologicals, platelet apoptosis and human diseases: An outlook. <i>Critical Reviews in Oncology/Hematology</i> , 2015 , 93, 149-58	7	39
53	Brusatol, a Nrf2 Inhibitor Targets STAT3 Signaling Cascade in Head and Neck Squamous Cell Carcinoma. <i>Biomolecules</i> , 2019 , 9,	5.9	38
52	Identification of Novel Class of Triazolo-Thiadiazoles as Potent Inhibitors of Human Heparanase and their Anticancer Activity. <i>BMC Cancer</i> , 2017 , 17, 235	4.8	38

51	Bad phosphorylation as a target of inhibition in oncology. <i>Cancer Letters</i> , 2018 , 415, 177-186	9.9	37
50	Screening of quinoline, 1,3-benzoxazine, and 1,3-oxazine-based small molecules against isolated methionyl-tRNA synthetase and A549 and HCT116 cancer cells including an in silico binding mode analysis. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 9381-7	3.9	36
49	Novel synthetic bisbenzimidazole that targets angiogenesis in Ehrlich ascites carcinoma bearing mice. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 2589-93	2.9	35
48	Novel Adamantanyl-Based Thiadiazolyl Pyrazoles Targeting EGFR in Triple-Negative Breast Cancer. <i>ACS Omega</i> , 2016 , 1, 1412-1424	3.9	34
47	Discovery of a small-molecule inhibitor of specific serine residue BAD phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E10505-E10514	11.5	34
46	Synthesis, characterization and cytotoxicity studies of 1,2,3-triazoles and 1,2,4-triazolo [1,5-a] pyrimidines in human breast cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018 , 28, 2314-2319	3.9	34
45	Development of Novel Triazolo-Thiadiazoles from Heterogeneous "Green" Catalysis as Protein Tyrosine Phosphatase 1B Inhibitors. <i>Scientific Reports</i> , 2015 , 5, 14195	4.9	32
44	Synthesis and characterization of novel oxazines and demonstration that they specifically target cyclooxygenase 2. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 2931-6	2.9	32
43	Anti-Cancer Activity of 2,4-Disubstituted Thiophene Derivatives: Dual Inhibitors of Lipoxygenase and Cyclooxygenase. <i>Medicinal Chemistry</i> , 2015 , 11, 462-72	1.8	32
42	An azaspirane derivative suppresses growth and induces apoptosis of ER-positive and ER-negative breast cancer cells through the modulation of JAK2/STAT3 signaling pathway. <i>International Journal of Oncology</i> , 2016 , 49, 1221-9	4.4	32
41	Anti-cancer activity of novel dibenzo[b,f]azepine tethered isoxazoline derivatives. <i>BMC Chemical Biology</i> , 2012 , 12, 5		30
40	Novel Synthetic Oxazines Target NF- κ B in Colon Cancer In Vitro and Inflammatory Bowel Disease In Vivo. <i>PLoS ONE</i> , 2016 , 11, e0163209	3.7	30
39	Adamantyl-tethered-biphenylic compounds induce apoptosis in cancer cells by targeting Bcl homologs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 1056-1060	2.9	29
38	A new ibuprofen derivative inhibits platelet aggregation and ROS mediated platelet apoptosis. <i>PLoS ONE</i> , 2014 , 9, e107182	3.7	29
37	Microwave-assisted synthesis, characterization and cytotoxic studies of novel estrogen receptor β ligands towards human breast cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 1804-1809	3.9	27
36	Synthesis and in vitro evaluation of hydrazinyl phthalazines against malaria parasite, Plasmodium falciparum. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 3300-3306	2.9	25
35	Synthesis, biological evaluation and in silico and in vitro mode-of-action analysis of novel dihydropyrimidones targeting PPAR- α <i>RSC Advances</i> , 2014 , 4, 45143-45146	3.7	24
34	A One Pot Synthesis of Novel Bioactive Tri-Substitute-Condensed-Imidazopyridines that Targets Snake Venom Phospholipase A2. <i>PLoS ONE</i> , 2015 , 10, e0131896	3.7	24

33	Anti-tumor activity of a novel HS-mimetic-vascular endothelial growth factor binding small molecule. <i>PLoS ONE</i> , 2012 , 7, e39444	3.7	23
32	N-Substituted Pyrido-1,4-Oxazin-3-Ones Induce Apoptosis of Hepatocellular Carcinoma Cells by Targeting NF- κ B Signaling Pathway. <i>Frontiers in Pharmacology</i> , 2018 , 9, 1125	5.6	22
31	Novel oxolane derivative DMTD mitigates high glucose-induced erythrocyte apoptosis by regulating oxidative stress. <i>Toxicology and Applied Pharmacology</i> , 2017 , 334, 167-179	4.6	20
30	Roles of glycosaminoglycans and glycanmimetics in tumor progression and metastasis. <i>Glycoconjugate Journal</i> , 2014 , 31, 461-7	3	20
29	Synthesis and characterization of novel 1,2-oxazine-based small molecules that targets acetylcholinesterase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014 , 24, 3618-21	2.9	19
28	Novel apigenin based small molecule that targets snake venom metalloproteases. <i>PLoS ONE</i> , 2014 , 9, e106364	3.7	18
27	Platelet protective efficacy of 3,4,5 trisubstituted isoxazole analogue by inhibiting ROS-mediated apoptosis and platelet aggregation. <i>Molecular and Cellular Biochemistry</i> , 2016 , 414, 137-51	4.2	17
26	A Nano-MgO and Ionic Liquid-Catalyzed 'Green' Synthesis Protocol for the Development of Adamantyl-Imidazolo-Thiadiazoles as Anti-Tuberculosis Agents Targeting Sterol 14 β -Demethylase (CYP51). <i>PLoS ONE</i> , 2015 , 10, e0139798	3.7	17
25	Nano-cuprous oxide catalyzed one-pot synthesis of a carbazole-based STAT3 inhibitor: a facile approach via intramolecular C-N bond formation reactions. <i>RSC Advances</i> , 2016 , 6, 36775-36785	3.7	15
24	Novel benzoxazine-based aglycones block glucose uptake in vivo by inhibiting glycosidases. <i>PLoS ONE</i> , 2014 , 9, e102759	3.7	14
23	Stabilization of Cyclin-Dependent Kinase 4 by Methionyl-tRNA Synthetase in p16-Negative Cancer. <i>ACS Pharmacology and Translational Science</i> , 2018 , 1, 21-31	5.9	12
22	Novel 1,3,4-oxadiazole Targets STAT3 Signaling to Induce Antitumor Effect in Lung Cancer. <i>Biomedicines</i> , 2020 , 8,	4.8	8
21	Inhibition of TFF3 Enhances Sensitivity-and Overcomes Acquired Resistance-to Doxorubicin in Estrogen Receptor-Positive Mammary Carcinoma. <i>Cancers</i> , 2019 , 11,	6.6	7
20	Synthesis and Biological Evaluation of Novel Thiazol-2-yl-amine Derivatives as Potential Anticancer Agents. <i>Letters in Organic Chemistry</i> , 2018 , 15, 270-281	0.6	7
19	Synthesis, characterization and in vitro evaluation of novel enantiomerically-pure sulphonamide antimalarials. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 10681-90	3.9	6
18	Triazole-Pyridine Dicarbonitrile Targets Phosphodiesterase 4 to Induce Cytotoxicity in Lung Carcinoma Cells. <i>Chemistry and Biodiversity</i> , 2019 , 16, e1900234	2.5	6
17	A novel small-molecule inhibitor of trefoil factor 3 (TFF3) potentiates MEK1/2 inhibition in lung adenocarcinoma. <i>Oncogenesis</i> , 2019 , 8, 65	6.6	6
16	Pharmacological Inhibition of TFF3 Enhances Sensitivity of CMS4 Colorectal Carcinoma to 5-Fluorouracil through Inhibition of p44/42 MAPK. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	6

15	Identification of a novel 1,2 oxazine that can induce apoptosis by targeting NF- κ B in hepatocellular carcinoma cells. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2020 , 25, e00438	5.3	5
14	Synthesis and biological evaluation of tetrahydropyridinepyrazoles (THPPs) as inhibitors of STAT3 phosphorylation. <i>MedChemComm</i> , 2014 , 5, 32	5	5
13	A modified flavonoid accelerates oligodendrocyte maturation and functional remyelination. <i>Glia</i> , 2020 , 68, 263-279	9	5
12	MOLPRINT 2D-based identification and synthesis of novel chromene based small molecules that target PLA2: validation through chemo- and bioinformatics approaches. <i>RSC Advances</i> , 2015 , 5, 89797-89808	3.7	4
11	Exploring the newer oxadiazoles as real inhibitors of human SIRT2 in hepatocellular cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020 , 30, 127330	2.9	3
10	Nano-MoO ₃ -mediated synthesis of bioactive thiazolidin-4-ones acting as anti-bacterial agents and their mode-of-action analysis using in silico target prediction, docking and similarity searching. <i>New Journal of Chemistry</i> , 2016 , 40, 2189-2199	3.6	3
9	Preparation and use of combustion-derived Bi ₂ O ₃ for the synthesis of heterocycles with anti-cancer properties by Suzuki-coupling reactions. <i>RSC Advances</i> , 2014 ,	3.7	3
8	Synthesis of Coumarin-benzotriazole Hybrids and Evaluation of their Anti-tubercular Activity. <i>Letters in Organic Chemistry</i> , 2017 , 15,	0.6	3
7	Pharmacological Inhibition of BAD Ser99 Phosphorylation Enhances the Efficacy of Cisplatin in Ovarian Cancer by Inhibition of Cancer Stem Cell-like Behavior. <i>ACS Pharmacology and Translational Science</i> , 2020 , 3, 1083-1099	5.9	3
6	Sulfated Ceria Catalyzed Synthesis of Imidazopyridines and Their Implementation as DNA Minor Groove Binders. <i>Chemistry and Biodiversity</i> , 2019 , 16, e1800435	2.5	2
5	Synthesis of CC, CN coupled novel substituted dibutyl benzothiazepinone derivatives and evaluation of their thrombin inhibitory activity. <i>Bioorganic Chemistry</i> , 2019 , 87, 142-154	5.1	2
4	Cyclocondensation of Sodium Azide with Methyl N(N),N'-di(tri)substituted Carbamimidothioate : A New Dimension for the Synthesis of 1,5-disubstituted Tetrazoles and Their Cytotoxicity against Human Breast Cancer Cells. <i>Current Organic Chemistry</i> , 2020 , 24, 2792-2799	1.7	2
3	Design, Synthesis, Characterization, and Crystal Structure Studies of Nrf2 Modulators for Inhibiting Cancer Cell Growth In Vitro and In Vivo. <i>ACS Omega</i> , 2021 , 6, 10054-10071	3.9	2
2	Development of a New Arylamination Reaction Catalyzed by Polymer Bound 1,3-(Bisbenzimidazolyl) Benzene Co(II) Complex and Generation of Bioactive Adamanate Amines. <i>Catalysts</i> , 2020 , 10, 1315	4	1
1	Anti-proliferative activity and characterization data on oxadiazole derivatives. <i>Data in Brief</i> , 2020 , 31, 105979	1.2	