Janaki Ramaiah Mekala

List of Publications by Year
in descending order

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Version: 2024-02-01

78 papers	2,657 citations	218677 26 h-index	206112 48 g-index
86 all docs	86 docs citations	86 times ranked	3677 citing authors

#	Article	IF	Citations
1	Synthesis, in vitro and structural aspects of cap substituted Suberoylanilide hydroxamic acid analogs as potential inducers of apoptosis in Glioblastoma cancer cells via HDAC /microRNA regulation. Chemico-Biological Interactions, 2022, 357, 109876.	4.0	9
2	mTOR-Rictor-EGFR axis in oncogenesis and diagnosis of glioblastoma multiforme. Molecular Biology Reports, 2021, 48, 4813-4835.	2.3	15
3	Epigenetic modulation and understanding of HDAC inhibitors in cancer therapy. Life Sciences, 2021, 277, 119504.	4.3	113
4	N-acetyl l-aspartate and Triacetin modulate tumor suppressor MicroRNA and class I and II HDAC gene expression induce apoptosis in Glioblastoma cancer cells in vitro. Life Sciences, 2021, 286, 120024.	4.3	10
5	Drug-induced modifications and modulations of microRNAs and long non-coding RNAs for future therapy against Glioblastoma Multiforme. Gene, 2020, 723, 144126.	2.2	19
6	Synthesis, in vitro and structural aspects of benzothiazole analogs as anti-oxidants and potential neuroprotective agents. Environmental Toxicology and Pharmacology, 2020, 79, 103415.	4.0	12
7	Potentials of miR-15/16 targeting cancer stem cell pathways: Novel implication in cancer chemotherapy. Gene Reports, 2020, 20, 100755.	0.8	2
8	mTOR inhibition and p53 activation, microRNAs: The possible therapy against pandemic COVID-19. Gene Reports, 2020, 20, 100765.	0.8	71
9	Cloning and in vivo metabolizing activity study of CYP3A4 on amiodarone drug residues: A possible probiotic and therapeutic option. Biomedicine and Pharmacotherapy, 2020, 127, 110128.	5.6	2
10	Epigenetic regulation of miR-200 as the potential strategy for the therapy against triple-negative breast cancer. Gene, 2018, 641, 248-258.	2.2	44
11	Functions and epigenetic aspects of miR-15/16: Possible future cancer therapeutics. Gene Reports, 2018, 12, 149-164.	0.8	12
12	Synthesis and biological evaluation of triazole and isoxazole-tagged benzothiazole/benzoxazole derivatives as potent cytotoxic agents. New Journal of Chemistry, 2018, 42, 15546-15551.	2.8	26
13	Scriptaid cause histone deacetylase inhibition and cell cycle arrest in HeLa cancer cells: A study on structural and functional aspects. Gene, 2017, 627, 379-386.	2.2	14
14	Genetic Basis Linking Variants for Diabetes and Obesity with Breast Cancer. , 2016, , 313-318.		0
15	A novel bisindole-PBD conjugate inhibits angiogenesis by regulating STAT3 and VEGF in breast cancer cells. Life Sciences, 2016, 151, 264-276.	4.3	13
16	Fluorinated thiazolidinols cause cell death in A549 lung cancer cells via PI3K/AKT/mTOR and MAPK/ERK signalling pathways. MedChemComm, 2016, 7, 1197-1203.	3.4	5
17	miR-15a/miR-16 induces mitochondrial dependent apoptosis in breast cancer cells by suppressing oncogene BMI1. Life Sciences, 2016, 164, 60-70.	4.3	51
18	Novel SAHA analogues inhibit HDACs, induce apoptosis and modulate the expression of microRNAs in hepatocellular carcinoma. Apoptosis: an International Journal on Programmed Cell Death, 2016, 21, 1249-1264.	4.9	21

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19	Population-level diversity in the association of genetic polymorphisms of one-carbon metabolism with breast cancer risk. Journal of Community Genetics, 2016, 7, 279-290.	1.2	15
20	In silico approaches to identify the potential inhibitors of glutamate carboxypeptidase II (GCPII) for neuroprotection. Journal of Theoretical Biology, 2016, 406, 137-142.	1.7	2
21	Artificial neural network-based exploration of gene-nutrient interactions in folate and xenobiotic metabolic pathways that modulate susceptibility to breast cancer. Gene, 2016, 580, 159-168.	2.2	19
22	Synthesis and mechanistic aspects of 2-anilinonicotinyl-pyrazolo[1,5-a]pyrimidine conjugates that regulate cell proliferation in MCF-7 cells via estrogen signaling. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 2077-2083.	2.2	16
23	Drosophila MOF regulates DIAP1 and induces apoptosis in a JNK dependent pathway. Apoptosis: an International Journal on Programmed Cell Death, 2016, 21, 269-282.	4.9	7
24	Regulation of Cell Proliferation and Migration by miR-203 via GAS41/miR-10b Axis in Human Glioblastoma Cells. PLoS ONE, 2016, 11, e0159092.	2.5	20
25	Novel Etoposide Analogue Modulates Expression of Angiogenesis Associated microRNAs and Regulates Cell Proliferation by Targeting STAT3 in Breast Cancer. PLoS ONE, 2015, 10, e0142006.	2.5	15
26	Antioxidant and anti-inflammatory levan produced from Acetobacter xylinum NCIM2526 and its statistical optimization. Carbohydrate Polymers, 2015, 123, 8-16.	10.2	109
27	Multifactor dimensionality reduction analysis to elucidate the cross-talk between one-carbon and xenobiotic metabolic pathways in multi-disease models. Molecular Biology Reports, 2015, 42, 1211-1224.	2.3	2
28	Bioengineering strategies on catalysis for the effective production of renewable and sustainable energy. Renewable and Sustainable Energy Reviews, 2015, 51, 533-547.	16.4	24
29	Bisindole-PBD regulates breast cancer cell proliferation via SIRT-p53 axis. Cancer Biology and Therapy, 2015, 16, 1486-1501.	3.4	15
30	Luotonin-A based quinazolinones cause apoptosis and senescence via HDAC inhibition and activation of tumor suppressor proteins in HeLa cells. European Journal of Medicinal Chemistry, 2015, 94, 87-101.	5.5	28
31	Clinical utility of genetic variants of glutamate carboxypeptidase II in predicting breast cancer and prostate cancer risk. Cancer Genetics, 2015, 208, 552-558.	0.4	2
32	Review on production, characterization and applications of microbial levan. Carbohydrate Polymers, 2015, 120, 102-114.	10.2	196
33	Synthesis and anticancer evaluation of novel triazole linked N-(pyrimidin-2-yl)benzo[d]thiazol-2-amine derivatives as inhibitors of cell survival proteins and inducers of apoptosis in MCF-7 breast cancer cells. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 654-658.	2.2	43
34	A novel bisindole-PBD conjugate causes DNA damage induced apoptosis via inhibition of DNA repair pathway. Cancer Biology and Therapy, 2014, 15, 1320-1332.	3.4	5
35	Isoxazole derivatives of 6-fluoro-N-(6-methoxybenzo[d]thiazol-2-yl)benzo[d]thiazol-2-amine and N-(pyrimidin-2-yl)benzo[d]thiazol-2-amine: regulation of cell cycle and apoptosis by p53 activation via mitochondrial-dependent pathways. MedChemComm, 2014, 5, 1744-1750.	3.4	9
36	Rugulactone derivatives act as inhibitors of NF-ÎºB activation and modulates the transcription of NF-ÎºB dependent genes in MDA-MB-231cells. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 1389-1396.	2.2	19

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37	Argonauteâ€1 functions as a mitotic regulator by controllingCyclin BduringDrosophilaearly embryogenesis. FASEB Journal, 2014, 28, 655-666.	0.5	29
38	miR-15/16 complex targets p70S6 kinase1 and controls cell proliferation in MDA-MB-231 breast cancer cells. Gene, 2014, 552, 255-264.	2.2	53
39	4Î²-[4â€²-(1-(Aryl)ureido)benzamide]podophyllotoxins as DNA topoisomerase I and IIÎ± inhibitors and apoptosis inducing agents. Bioorganic and Medicinal Chemistry, 2013, 21, 5198-5208.	3.0	28
40	3-Diarylethyne quinazolinones: a new class of senescence inducers. MedChemComm, 2013, 4, 575.	3.4	7
41	Drosophila MOF controls Checkpoint protein2 and regulates genomic stability during early embryogenesis. BMC Molecular Biology, 2013, 14, 1.	3.0	18
42	Quinazolino linked 4Î²-amidopodophyllotoxin conjugates regulate angiogenic pathway and control breast cancer cell proliferation. Bioorganic and Medicinal Chemistry, 2013, 21, 6414-6426.	3.0	24
43	Synthesis and study of benzothiazole conjugates in the control of cell proliferation by modulating Ras/MEK/ERK-dependent pathway in MCF-7 cells. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 5733-5739.	2.2	25
44	Novel anthranilamide-pyrazolo[1,5-a]pyrimidine conjugates modulate the expression of p53-MYCN associated micro RNAs in neuroblastoma cells and cause cell cycle arrest and apoptosis. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 5699-5706.	2.2	20
45	Design, synthesis and biological evaluation of imidazo[1,5-a]pyridineâ€“PBD conjugates as potential DNA-directed alkylating agents. MedChemComm, 2013, 4, 697.	3.4	31
46	Synthesis and Biological Evaluation of Diaryl Ether Linked DC-81 Conjugates as Potential Antitumor Agents. Anti-Cancer Agents in Medicinal Chemistry, 2013, 13, 1590-1600.	1.7	4
47	Synthesis and biological evaluation of combretastatin-amidobenzothiazole conjugates as potential anticancer agents. European Journal of Medicinal Chemistry, 2012, 56, 166-178.	5.5	34
48	Imidazoâ€“benzothiazoles a potent microRNA modulator involved in cell proliferation. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 6418-6424.	2.2	6
49	Synthesis and biological evaluation of novel triazoles and isoxazoles linked 2-phenyl benzothiazole as potential anticancer agents. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 5424-5427.	2.2	106
50	Plant HDAC inhibitor chrysin arrest cell growth and induce p21 WAF1 by altering chromatin of STAT response element in A375 cells. BMC Cancer, 2012, 12, 180.	2.6	61
51	Synthesis of tetrazoleâ€“isoxazoline hybrids as a new class of tubulin polymerization inhibitors. MedChemComm, 2012, 3, 1386.	3.4	22
52	3â€Substituted 2â€Phenylimidazo[2,1â€b]benzothiazoles: Synthesis, Anticancer Activity, and Inhibition of Tubulin Polymerization. ChemMedChem, 2012, 7, 292-300.	3.2	39
53	Anthranilamideâ€“Pyrazolo[1,5â€a]pyrimidine Conjugates as p53 Activators in Cervical Cancer Cells. ChemMedChem, 2012, 7, 1453-1464.	3.2	11
54	Synthesis and biological evaluation of 4Î²-sulphonamido and 4Î²-[(4â€²-sulphonamido)benzamide]podophyllotoxins as DNA topoisomerase-IIÎ± and apoptosis inducing agents. Bioorganic and Medicinal Chemistry, 2012, 20, 2054-2066.	3.0	15

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55	aza-Flavanones as potent cross-species microRNA inhibitors that arrest cell cycle. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 645-648.	2.2	41
56	Synthesis, anticancer activity and apoptosis inducing ability of bisindole linked pyrrolo[2,1-c][1,4]benzodiazepine conjugates. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 571-578.	2.2	43
57	Carbazoleâ€“pyrrolo[2,1-c][1,4]benzodiazepine conjugates: design, synthesis, and biological evaluation. MedChemComm, 2011, 2, 780.	3.4	18
58	The RNA Helicase Rm62 Cooperates with SU(VAR)3-9 to Re-Silence Active Transcription in Drosophila melanogaster. PLoS ONE, 2011, 6, e20761.	2.5	9
59	Synthesis and anticancer activity of chalcone-pyrrolobenzodiazepine conjugates linked via 1,2,3-triazole ring side-armed with alkane spacers. European Journal of Medicinal Chemistry, 2011, 46, 3820-3831.	5.5	124
60	Synthesis and biological evaluation of novel Mannich bases of 2-arylimidazo[2,1-b]benzothiazoles as potential anti-cancer agents. European Journal of Medicinal Chemistry, 2011, 46, 4258-4266.	5.5	67
61	Synthesis and apoptosis inducing ability of new anilino substituted pyrimidine sulfonamides as potential anticancer agents. European Journal of Medicinal Chemistry, 2011, 46, 5817-5824.	5.5	56
62	Chalcone-imidazolone conjugates induce apoptosis through DNA damage pathway by affecting telomeres. Cancer Cell International, 2011, 11, 11.	4.1	14
63	Effect of Benzothiazole based conjugates in causing apoptosis by Regulating p53, PTEN and MAP Kinase proteins affecting miR-195a and miR-101-1. Cancer Cell International, 2011, 11, 36.	4.1	6
64	Synthesis of Arylâ€Substituted Naphthaleneâ€Linked Pyrrolobenzodiazepine Conjugates as Potential Anticancer Agents with Apoptosisâ€Inducing Ability. ChemMedChem, 2011, 6, 1665-1679.	3.2	15
65	Synthesis and biological evaluation of estradiol linked pyrrolo[2,1-c][1,4]benzodiazepine (PBD) conjugates as potential anticancer agents. Bioorganic and Medicinal Chemistry, 2011, 19, 2565-2581.	3.0	13
66	Synthesis and biological evaluation of 4Î²-acrylamidopodophyllotoxin congeners as DNA damaging agents. Bioorganic and Medicinal Chemistry, 2011, 19, 4589-4600.	3.0	20
67	Synthesis and biological evaluation of 3,5-diaryl isoxazoline/isoxazole linked 2,3-dihydroquinazolinone hybrids as anticancer agents. European Journal of Medicinal Chemistry, 2011, 46, 691-703.	5.5	145
68	Synthesis and potential cytotoxic activity of new phenanthrylphenol-pyrrolobenzodiazepines. European Journal of Medicinal Chemistry, 2010, 45, 2173-2181.	5.5	24
69	Synthesis of Imidazothiazoleâ€“Chalcone Derivatives as Anticancer and Apoptosis Inducing Agents. ChemMedChem, 2010, 5, 1937-1947.	3.2	53
70	Synthesis, anticancer activity and apoptosis inducing ability of anthranilamide-PBD conjugates. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 3310-3313.	2.2	13
71	Quinazolinone linked pyrrolo[2,1-c][1,4]benzodiazepine (PBD) conjugates: Design, synthesis and biological evaluation as potential anticancer agents. Bioorganic and Medicinal Chemistry, 2010, 18, 526-542.	3.0	74
72	Synthesis, DNA-binding ability and anticancer activity of benzothiazole/benzoxazoleâ€“pyrrolo[2,1-c][1,4]benzodiazepine conjugates. Bioorganic and Medicinal Chemistry, 2010, 18, 4747-4761.	3.0	101

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73	Synthesis, anticancer activity and mitochondrial mediated apoptosis inducing ability of 2,5-diaryloxadiazoleâ€“pyrrolobenzodiazepine conjugates. Bioorganic and Medicinal Chemistry, 2010, 18, 6666-6677.	3.0	20
74	Synthesis and anti-cancer activity of chalcone linked imidazolones. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 4865-4869.	2.2	64
75	Synthesis and biological evaluation of anilino substituted pyrimidine linked pyrrolobenzodiazepines as potential anticancer agents. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 5232-5236.	2.2	14
76	Design, synthesis and biological evaluation of 3,5-diaryl-isoxazoline/isoxazole-pyrrolobenzodiazepine conjugates as potential anticancer agents. European Journal of Medicinal Chemistry, 2010, 45, 3924-3937.	5.5	68
77	Design, synthesis and biological evaluation of imidazopyridine/pyrimidine-chalcone derivatives as potential anticancer agents. MedChemComm, 2010, 1, 355.	3.4	132
78	An essential GT motif in the lamin A promoter mediates activation by CREB-binding protein. Biochemical and Biophysical Research Communications, 2006, 348, 1132-1137.	2.1	5