

Janaki Ramaiah Mekala

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

2,657
citations

218381

26
h-index

205818

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. <i>Chemico-Biological Interactions</i> , 2022, 357, 109876.	1.7	9
2	mTOR-Rictor-EGFR axis in oncogenesis and diagnosis of glioblastoma multiforme. <i>Molecular Biology Reports</i> , 2021, 48, 4813-4835.	1.0	15
3	Epigenetic modulation and understanding of HDAC inhibitors in cancer therapy. <i>Life Sciences</i> , 2021, 277, 119504.	2.0	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. <i>Life Sciences</i> , 2021, 286, 120024.	2.0	10
5	Drug-induced modifications and modulations of microRNAs and long non-coding RNAs for future therapy against Glioblastoma Multiforme. <i>Gene</i> , 2020, 723, 144126.	1.0	19
6	Synthesis, in vitro and structural aspects of benzothiazole analogs as anti-oxidants and potential neuroprotective agents. <i>Environmental Toxicology and Pharmacology</i> , 2020, 79, 103415.	2.0	12
7	Potentials of miR-15/16 targeting cancer stem cell pathways: Novel implication in cancer chemotherapy. <i>Gene Reports</i> , 2020, 20, 100755.	0.4	2
8	mTOR inhibition and p53 activation, microRNAs: The possible therapy against pandemic COVID-19. <i>Gene Reports</i> , 2020, 20, 100765.	0.4	71
9	Cloning and in vivo metabolizing activity study of CYP3A4 on amiodarone drug residues: A possible probiotic and therapeutic option. <i>Biomedicine and Pharmacotherapy</i> , 2020, 127, 110128.	2.5	2
10	Epigenetic regulation of miR-200 as the potential strategy for the therapy against triple-negative breast cancer. <i>Gene</i> , 2018, 641, 248-258.	1.0	44
11	Functions and epigenetic aspects of miR-15/16: Possible future cancer therapeutics. <i>Gene Reports</i> , 2018, 12, 149-164.	0.4	12
12	Synthesis and biological evaluation of triazole and isoxazole-tagged benzothiazole/benzoxazole derivatives as potent cytotoxic agents. <i>New Journal of Chemistry</i> , 2018, 42, 15546-15551.	1.4	26
13	Scriptaid cause histone deacetylase inhibition and cell cycle arrest in HeLa cancer cells: A study on structural and functional aspects. <i>Gene</i> , 2017, 627, 379-386.	1.0	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. <i>Life Sciences</i> , 2016, 151, 264-276.	2.0	13
16	Fluorinated thiazolidinols cause cell death in A549 lung cancer cells via PI3K/AKT/mTOR and MAPK/ERK signalling pathways. <i>MedChemComm</i> , 2016, 7, 1197-1203.	3.5	5
17	miR-15a/miR-16 induces mitochondrial dependent apoptosis in breast cancer cells by suppressing oncogene BMI1. <i>Life Sciences</i> , 2016, 164, 60-70.	2.0	51
18	Novel SAHA analogues inhibit HDACs, induce apoptosis and modulate the expression of microRNAs in hepatocellular carcinoma. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2016, 21, 1249-1264.	2.2	21

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19	Population-level diversity in the association of genetic polymorphisms of one-carbon metabolism with breast cancer risk. <i>Journal of Community Genetics</i> , 2016, 7, 279-290.	0.5	15
20	In silico approaches to identify the potential inhibitors of glutamate carboxypeptidase II (GCPII) for neuroprotection. <i>Journal of Theoretical Biology</i> , 2016, 406, 137-142.	0.8	2
21	Artificial neural network-based exploration of gene-nutrient interactions in folate and xenobiotic metabolic pathways that modulate susceptibility to breast cancer. <i>Gene</i> , 2016, 580, 159-168.	1.0	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. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 2077-2083.	1.0	16
23	Drosophila MOF regulates DIAP1 and induces apoptosis in a JNK dependent pathway. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2016, 21, 269-282.	2.2	7
24	Regulation of Cell Proliferation and Migration by miR-203 via GAS41/miR-10b Axis in Human Glioblastoma Cells. <i>PLoS ONE</i> , 2016, 11, e0159092.	1.1	20
25	Novel Etoposide Analogue Modulates Expression of Angiogenesis Associated microRNAs and Regulates Cell Proliferation by Targeting STAT3 in Breast Cancer. <i>PLoS ONE</i> , 2015, 10, e0142006.	1.1	15
26	Antioxidant and anti-inflammatory levan produced from <i>Acetobacter xylinum</i> NCIM2526 and its statistical optimization. <i>Carbohydrate Polymers</i> , 2015, 123, 8-16.	5.1	109
27	Multifactor dimensionality reduction analysis to elucidate the cross-talk between one-carbon and xenobiotic metabolic pathways in multi-disease models. <i>Molecular Biology Reports</i> , 2015, 42, 1211-1224.	1.0	2
28	Bioengineering strategies on catalysis for the effective production of renewable and sustainable energy. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 51, 533-547.	8.2	24
29	Bisindole-PBD regulates breast cancer cell proliferation via SIRT-p53 axis. <i>Cancer Biology and Therapy</i> , 2015, 16, 1486-1501.	1.5	15
30	Luotonin-A based quinazolinones cause apoptosis and senescence via HDAC inhibition and activation of tumor suppressor proteins in HeLa cells. <i>European Journal of Medicinal Chemistry</i> , 2015, 94, 87-101.	2.6	28
31	Clinical utility of genetic variants of glutamate carboxypeptidase II in predicting breast cancer and prostate cancer risk. <i>Cancer Genetics</i> , 2015, 208, 552-558.	0.2	2
32	Review on production, characterization and applications of microbial levan. <i>Carbohydrate Polymers</i> , 2015, 120, 102-114.	5.1	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. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 654-658.	1.0	43
34	A novel bisindole-PBD conjugate causes DNA damage induced apoptosis via inhibition of DNA repair pathway. <i>Cancer Biology and Therapy</i> , 2014, 15, 1320-1332.	1.5	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. <i>MedChemComm</i> , 2014, 5, 1744-1750.	3.5	9
36	Rugulactone derivatives act as inhibitors of NF- κ B activation and modulates the transcription of NF- κ B dependent genes in MDA-MB-231 cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 1389-1396.	1.0	19

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37	<i>Argonaute 1</i> functions as a mitotic regulator by controlling <i>Cyclin B</i> during <i>Drosophila</i> early embryogenesis. <i>FASEB Journal</i> , 2014, 28, 655-666.	0.2	29
38	miR-15/16 complex targets p70S6 kinase1 and controls cell proliferation in MDA-MB-231 breast cancer cells. <i>Gene</i> , 2014, 552, 255-264.	1.0	53
39	4 th -[4 th -(1-(Aryl)ureido)benzamide]podophyllotoxins as DNA topoisomerase I and III \pm inhibitors and apoptosis inducing agents. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 5198-5208.	1.4	28
40	3-Diarylethyne quinazolinones: a new class of senescence inducers. <i>MedChemComm</i> , 2013, 4, 575.	3.5	7
41	<i>Drosophila</i> MOF controls Checkpoint protein2 and regulates genomic stability during early embryogenesis. <i>BMC Molecular Biology</i> , 2013, 14, 1.	3.0	18
42	Quinazolino linked 4 th -amidopodophyllotoxin conjugates regulate angiogenic pathway and control breast cancer cell proliferation. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 6414-6426.	1.4	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. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 5733-5739.	1.0	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. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 5699-5706.	1.0	20
45	Design, synthesis and biological evaluation of imidazo[1,5-a]pyridine ^{thio} PBD conjugates as potential DNA-directed alkylating agents. <i>MedChemComm</i> , 2013, 4, 697.	3.5	31
46	Synthesis and Biological Evaluation of Diaryl Ether Linked DC-81 Conjugates as Potential Antitumor Agents. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2013, 13, 1590-1600.	0.9	4
47	Synthesis and biological evaluation of combretastatin-amidobenzothiazole conjugates as potential anticancer agents. <i>European Journal of Medicinal Chemistry</i> , 2012, 56, 166-178.	2.6	34
48	Imidazo ^{thio} benzothiazoles a potent microRNA modulator involved in cell proliferation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 6418-6424.	1.0	6
49	Synthesis and biological evaluation of novel triazoles and isoxazoles linked 2-phenyl benzothiazole as potential anticancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 5424-5427.	1.0	106
50	Plant HDAC inhibitor chrysin arrest cell growth and induce p21 WAF1 by altering chromatin of STAT response element in A375 cells. <i>BMC Cancer</i> , 2012, 12, 180.	1.1	61
51	Synthesis of tetrazole ^{thio} isoxazoline hybrids as a new class of tubulin polymerization inhibitors. <i>MedChemComm</i> , 2012, 3, 1386.	3.5	22
52	3 rd -Substituted 2 nd -Phenylimidazo[2,1 ^{bc}]benzothiazoles: Synthesis, Anticancer Activity, and Inhibition of Tubulin Polymerization. <i>ChemMedChem</i> , 2012, 7, 292-300.	1.6	39
53	Anthranilamide ^{thio} Pyrazolo[1,5 ^a]pyrimidine Conjugates as p53 Activators in Cervical Cancer Cells. <i>ChemMedChem</i> , 2012, 7, 1453-1464.	1.6	11
54	Synthesis and biological evaluation of 4 th -sulphonamido and 4 th -[(4 th -sulphonamido)benzamide]podophyllotoxins as DNA topoisomerase-III \pm and apoptosis inducing agents. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 2054-2066.	1.4	15

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55	aza-Flavanones as potent cross-species microRNA inhibitors that arrest cell cycle. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 645-648.	1.0	41
56	Synthesis, anticancer activity and apoptosis inducing ability of bisindole linked pyrrolo[2,1-c][1,4]benzodiazepine conjugates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 571-578.	1.0	43
57	Carbazole-pyrrolo[2,1-c][1,4]benzodiazepine conjugates: design, synthesis, and biological evaluation. <i>MedChemComm</i> , 2011, 2, 780.	3.5	18
58	The RNA Helicase Rm62 Cooperates with SU(VAR)3-9 to Re-Silence Active Transcription in <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2011, 6, e20761.	1.1	9
59	Synthesis and anticancer activity of chalcone-pyrrolobenzodiazepine conjugates linked via 1,2,3-triazole ring side-armed with alkane spacers. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 3820-3831.	2.6	124
60	Synthesis and biological evaluation of novel Mannich bases of 2-arylimidazo[2,1-b]benzothiazoles as potential anti-cancer agents. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 4258-4266.	2.6	67
61	Synthesis and apoptosis inducing ability of new anilino substituted pyrimidine sulfonamides as potential anticancer agents. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 5817-5824.	2.6	56
62	Chalcone-imidazolone conjugates induce apoptosis through DNA damage pathway by affecting telomeres. <i>Cancer Cell International</i> , 2011, 11, 11.	1.8	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. <i>Cancer Cell International</i> , 2011, 11, 36.	1.8	6
64	Synthesis of Aryl-Substituted Naphthalene-Linked Pyrrolobenzodiazepine Conjugates as Potential Anticancer Agents with Apoptosis-Inducing Ability. <i>ChemMedChem</i> , 2011, 6, 1665-1679.	1.6	15
65	Synthesis and biological evaluation of estradiol linked pyrrolo[2,1-c][1,4]benzodiazepine (PBD) conjugates as potential anticancer agents. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 2565-2581.	1.4	13
66	Synthesis and biological evaluation of 4 th -acrylamidopodophyllotoxin congeners as DNA damaging agents. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 4589-4600.	1.4	20
67	Synthesis and biological evaluation of 3,5-diaryl isoxazoline/isoxazole linked 2,3-dihydroquinazolinone hybrids as anticancer agents. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 691-703.	2.6	145
68	Synthesis and potential cytotoxic activity of new phenanthrylphenol-pyrrolobenzodiazepines. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 2173-2181.	2.6	24
69	Synthesis of Imidazothiazole-Chalcone Derivatives as Anticancer and Apoptosis Inducing Agents. <i>ChemMedChem</i> , 2010, 5, 1937-1947.	1.6	53
70	Synthesis, anticancer activity and apoptosis inducing ability of anthranilamide-PBD conjugates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 3310-3313.	1.0	13
71	Quinazolinone linked pyrrolo[2,1-c][1,4]benzodiazepine (PBD) conjugates: Design, synthesis and biological evaluation as potential anticancer agents. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 526-542.	1.4	74
72	Synthesis, DNA-binding ability and anticancer activity of benzothiazole/benzoxazole-pyrrolo[2,1-c][1,4]benzodiazepine conjugates. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 4747-4761.	1.4	101

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73	Synthesis, anticancer activity and mitochondrial mediated apoptosis inducing ability of 2,5-diaryloxadiazole-pyrrolobenzodiazepine conjugates. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 6666-6677.	1.4	20
74	Synthesis and anti-cancer activity of chalcone linked imidazolones. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 4865-4869.	1.0	64
75	Synthesis and biological evaluation of anilino substituted pyrimidine linked pyrrolobenzodiazepines as potential anticancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 5232-5236.	1.0	14
76	Design, synthesis and biological evaluation of 3,5-diaryl-isoxazoline/isoxazole-pyrrolobenzodiazepine conjugates as potential anticancer agents. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 3924-3937.	2.6	68
77	Design, synthesis and biological evaluation of imidazopyridine/pyrimidine-chalcone derivatives as potential anticancer agents. <i>MedChemComm</i> , 2010, 1, 355.	3.5	132
78	An essential GT motif in the lamin A promoter mediates activation by CREB-binding protein. <i>Biochemical and Biophysical Research Communications</i> , 2006, 348, 1132-1137.	1.0	5