

Santosh Kumar Guru

List of Publications by Year in descending order

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65
papers

2,366
citations

136740

32
h-index

223531

46
g-index

66
all docs

66
docs citations

66
times ranked

3855
citing authors

#	ARTICLE	IF	CITATIONS
1	Green synthesis and anticancer potential of chalcone linked-1,2,3-triazoles. <i>European Journal of Medicinal Chemistry</i> , 2017, 126, 944-953.	2.6	144
2	C 60 -fullerenes for delivery of docetaxel to breast cancer cells: A promising approach for enhanced efficacy and better pharmacokinetic profile. <i>International Journal of Pharmaceutics</i> , 2015, 495, 551-559.	2.6	115
3	Autophagy triggered by magnolol derivative negatively regulates angiogenesis. <i>Cell Death and Disease</i> , 2013, 4, e889-e889.	2.7	80
4	Conjugation of Docetaxel with Multiwalled Carbon Nanotubes and Codelivery with Piperine: Implications on Pharmacokinetic Profile and Anticancer Activity. <i>Molecular Pharmaceutics</i> , 2016, 13, 2423-2432.	2.3	80
5	Capsaicin production by <i>Alternaria alternata</i> , an endophytic fungus from <i>Capsicum annum</i> ; LC-ESI-MS/MS analysis. <i>Phytochemistry</i> , 2014, 98, 183-189.	1.4	79
6	A novel triazole derivative of betulinic acid induces extrinsic and intrinsic apoptosis in human leukemia HL-60 cells. <i>European Journal of Medicinal Chemistry</i> , 2016, 108, 104-116.	2.6	69
7	Cytotoxicity and Antimicrobial Activity of the Methanol Extract and Compounds from <i>Polygonum limbatum</i> . <i>Planta Medica</i> , 2012, 78, 787-792.	0.7	67
8	Discovery of a marine-derived bis-indole alkaloid faspaplysin, as a new class of potent P-glycoprotein inducer and establishment of its structure-activity relationship. <i>European Journal of Medicinal Chemistry</i> , 2016, 107, 1-11.	2.6	66
9	Dextran-PLGA-loaded docetaxel micelles with enhanced cytotoxicity and better pharmacokinetic profile. <i>International Journal of Biological Macromolecules</i> , 2016, 88, 206-212.	3.6	65
10	Secalonic Acid-D Represses HIF1 α /VEGF-Mediated Angiogenesis by Regulating the Akt/mTOR/p70S6K Signaling Cascade. <i>Cancer Research</i> , 2015, 75, 2886-2896.	0.4	62
11	A novel quinazolinone chalcone derivative induces mitochondrial dependent apoptosis and inhibits PI3K/Akt/mTOR signaling pathway in human colon cancer HCT-116 cells. <i>Food and Chemical Toxicology</i> , 2016, 87, 1-11.	1.8	61
12	Isolation and characterization of bioactive metabolites from <i>Xylaria psidii</i> , an endophytic fungus of the medicinal plant <i>Aegle marmelos</i> and their role in mitochondrial dependent apoptosis against pancreatic cancer cells. <i>Phytomedicine</i> , 2016, 23, 1312-1320.	2.3	59
13	A marine sponge alkaloid derivative 4-chloro faspaplysin inhibits tumor growth and VEGF mediated angiogenesis by disrupting PI3K/Akt/mTOR signaling cascade. <i>Chemico-Biological Interactions</i> , 2017, 275, 47-60.	1.7	57
14	Enhanced Apoptotic Effect of Curcumin Loaded Solid Lipid Nanoparticles. <i>Molecular Pharmaceutics</i> , 2012, 9, 3411-3421.	2.3	54
15	Disruption of the PI3K/AKT/mTOR signaling cascade and induction of apoptosis in HL-60 cells by an essential oil from <i>Monarda citriodora</i> . <i>Food and Chemical Toxicology</i> , 2013, 62, 246-254.	1.8	54
16	Faspaplysin Induces Caspase Mediated Crosstalk Between Apoptosis and Autophagy Through the Inhibition of PI3K/AKT/mTOR Signaling Cascade in Human Leukemia HL-60 Cells. <i>Journal of Cellular Biochemistry</i> , 2015, 116, 985-997.	1.2	54
17	Bioactive metabolites from an endophytic <i>Cryptosporiopsis</i> sp. inhabiting <i>Clidemia hirta</i> . <i>Phytochemistry</i> , 2013, 95, 291-297.	1.4	51
18	VEGF-neuropilin-2 signaling promotes stem-like traits in breast cancer cells by TAZ-mediated repression of the Rac GAP β 2-chimaerin. <i>Science Signaling</i> , 2018, 11, .	1.6	50

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19	Cu-Mn spinel oxide catalyzed synthesis of imidazo[1,2-a]pyridines through domino three-component coupling and 5-exo-dig cyclization in water. <i>RSC Advances</i> , 2013, 3, 20869.	1.7	45
20	Enhanced Anticancer Potential of Encapsulated Solid Lipid Nanoparticles of TPD: A Novel Triterpenediol from <i>Boswellia serrata</i> . <i>Molecular Pharmaceutics</i> , 2013, 10, 225-235.	2.3	45
21	Anticancer activity, toxicity and pharmacokinetic profile of an indanone derivative. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 47, 988-995.	1.9	42
22	An investigation of in vitro cytotoxicity and apoptotic potential of aromatic diselenides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3440-3446.	1.0	40
23	Pyrano-isochromanones as IL-6 Inhibitors: Synthesis, in Vitro and in Vivo Antiarthritic Activity. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 7085-7097.	2.9	39
24	6-Aryl substituted 4-(4-cyanomethyl) phenylamino quinazolines as a new class of isoform-selective PI3K-alpha inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2016, 122, 731-743.	2.6	39
25	Design of Novel 3-Pyrimidinylazaindole CDK2/9 Inhibitors with Potent In Vitro and In Vivo Antitumor Efficacy in a Triple-Negative Breast Cancer Model. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 9470-9489.	2.9	39
26	Discovery and Preclinical Development of IIM-290, an Orally Active Potent Cyclin-Dependent Kinase Inhibitor. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 1664-1687.	2.9	39
27	Cytotoxic and antimicrobial activity of selected Cameroonian edible plants. <i>BMC Complementary and Alternative Medicine</i> , 2013, 13, 78.	3.7	38
28	Synthesis of 5-substituted-1H-pyrazolo[4,3-d]pyrimidin-7(6H)-one analogs and their biological evaluation as anticancer agents: mTOR inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2014, 80, 201-208.	2.6	36
29	Evaluation of bishexadecyltrimethyl ammonium palladium tetrachloride based dual functional colloidal carrier as an antimicrobial and anticancer agent. <i>Dalton Transactions</i> , 2016, 45, 6582-6591.	1.6	35
30	Chitosan-Stearic Acid Based Polymeric Micelles for the Effective Delivery of Tamoxifen: Cytotoxic and Pharmacokinetic Evaluation. <i>AAPS PharmSciTech</i> , 2017, 18, 759-768.	1.5	35
31	The Synthetic Tryptanthrin Analogue Suppresses STAT3 Signaling and Induces Caspase Dependent Apoptosis via ERK Up Regulation in Human Leukemia HL-60 Cells. <i>PLoS ONE</i> , 2014, 9, e110411.	1.1	34
32	The anti-angiogenic and cytotoxic effects of the boswellic acid analog BA145 are potentiated by autophagy inhibitors. <i>Molecular Cancer</i> , 2015, 14, 6.	7.9	33
33	Hybrid surfactants decorated with copper ions: aggregation behavior, antimicrobial activity and anti-proliferative effect. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 23961-23970.	1.3	32
34	IMP3 Stabilization of WNT5B mRNA Facilitates TAZ Activation in Breast Cancer. <i>Cell Reports</i> , 2018, 23, 2559-2567.	2.9	32
35	A chromatography-free isolation of rohitukine from leaves of <i>Dysoxylum binectariferum</i> : Evaluation for in vitro cytotoxicity, Cdk inhibition and physicochemical properties. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 3457-3463.	1.0	31
36	Saccharonol B, a new cytotoxic methylated isocoumarin from <i>Saccharomonospora azurea</i> . <i>Tetrahedron Letters</i> , 2013, 54, 6695-6699.	0.7	30

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37	Colchicine derivatives with potent anticancer activity and reduced P-glycoprotein induction liability. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 5674-5689.	1.5	30
38	Synthesis, antiproliferative and apoptosis-inducing activity of thiazolo[5,4-d]pyrimidines. <i>European Journal of Medicinal Chemistry</i> , 2013, 70, 864-874.	2.6	29
39	Modulation of glycolysis and lipogenesis by novel PI3K selective molecule represses tumor angiogenesis and decreases colorectal cancer growth. <i>Cancer Letters</i> , 2016, 374, 250-260.	3.2	29
40	Synthesis and anti-proliferative activities of new derivatives of embelin. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 4865-4870.	1.0	28
41	In Vitro Anticancer Activities of <i>Anogeissus latifolia</i> , <i>Terminalia bellerica</i> , <i>Acacia catechu</i> and <i>Moringa oleifera</i> Indian Plants. <i>Asian Pacific Journal of Cancer Prevention</i> , 2015, 16, 6423-6428.	0.5	28
42	Induction of mitochondrial dependent apoptosis and cell cycle arrest in human promyelocytic leukemia HL-60 cells by an extract from <i>Dorstenia psilurus</i> : a spice from Cameroon. <i>BMC Complementary and Alternative Medicine</i> , 2013, 13, 223.	3.7	25
43	Exploring new Horizons in overcoming P-glycoprotein-mediated multidrug-resistant breast cancer via nanoscale drug delivery platforms. <i>Current Research in Pharmacology and Drug Discovery</i> , 2021, 2, 100054.	1.7	25
44	Interplay between cell cycle and autophagy induced by boswellic acid analog. <i>Scientific Reports</i> , 2016, 6, 33146.	1.6	24
45	Tiron and trolox potentiate the autophagic cell death induced by magnolol analog Ery5 by activation of Bax in HL-60 cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2013, 18, 605-617.	2.2	23
46	3-(Benzo[d][1,3]dioxol-5-ylamino)-N-(4-fluorophenyl)thiophene-2-carboxamide overcomes cancer chemoresistance via inhibition of angiogenesis and P-glycoprotein efflux pump activity. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 4296-4309.	1.5	23
47	One-step synthesis of silver metallosurfactant as an efficient antibacterial and anticancer material. <i>RSC Advances</i> , 2016, 6, 57084-57097.	1.7	22
48	A novel stereo bioactive metabolite isolated from an endophytic fungus induces caspase dependent apoptosis and STAT-3 inhibition in human leukemia cells. <i>European Journal of Pharmacology</i> , 2015, 765, 75-85.	1.7	18
49	Two new amides with cytotoxic activity from the fruits of <i>Piper longum</i> . <i>Journal of Asian Natural Products Research</i> , 2011, 13, 143-148.	0.7	16
50	Reversal of boswellic acid analog BA145 induced caspase dependent apoptosis by PI3K inhibitor LY294002 and MEK inhibitor PD98059. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2013, 18, 1561-1573.	2.2	16
51	Antiproliferative and antimicrobial activities of alkylbenzoquinone derivatives from <i>Ardisia kivuensis</i> . <i>Pharmaceutical Biology</i> , 2014, 52, 392-397.	1.3	14
52	Design and synthesis of a new class of cryptophycins based tubulin inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2015, 93, 55-63.	2.6	13
53	Terpenoid and flavonoid spectrum of in vitro cultures of <i>Glycyrrhiza glabra</i> revealed high chemical heterogeneity: platform to understand biosynthesis. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 124, 507-516.	1.2	9
54	Identification and Evaluation of Apoptosis-Inducing Activity of Ipomone from <i>Ipomoea nil</i> : A Novel, Unusual Bicyclo-[3.2.1] Octanone Containing Gibberic Acid Diterpenoid. <i>ACS Omega</i> , 2021, 6, 8253-8260.	1.6	9

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55	A Novel Quinoline Based Second-generation mTOR Inhibitor that Induces Apoptosis and Disrupts PI3K-Akt-mTOR Signaling in Human Leukemia HL-60 Cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2015, 15, 1297-1304.	0.9	9
56	Structure Activity Relationship of Arylidene Pyrrolo and Pyrido [2,1-b] Quinazolones as Cytotoxic Agents: Synthesis, SAR Studies, Biological Evaluation and Docking Studies. <i>Medicinal Chemistry</i> , 2013, 9, 642-650.	0.7	8
57	A novel quinazolinone derivative induces cytochrome c interdependent apoptosis and autophagy in human leukemia MOLT-4 cells. <i>Toxicology Reports</i> , 2014, 1, 1013-1025.	1.6	7
58	3-(2,6-Dichloro-benzyloxy)-11-oxo-olean-12-ene-29-oic acid, a semisynthetic derivative of glycyrrhetic acid: synthesis, antiproliferative, apoptotic and anti-angiogenesis activity. <i>MedChemComm</i> , 2015, 6, 564-575.	3.5	7
59	Trifluoroacetic acid catalyzed thiophenylmethylation and thioalkylmethylation of lactams and phenols via domino three-component reaction in water. <i>RSC Advances</i> , 2014, 4, 14081-14088.	1.7	6
60	Nanomedicine as a magic bullet for combating lymphoma. <i>Journal of Controlled Release</i> , 2022, 347, 211-236.	4.8	6
61	Multiple Pharmacological Properties of a Novel Parthenin Analog P16 as Evident by its Cytostatic and Antiangiogenic Potential Against Pancreatic Adenocarcinoma PANC -1 Cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2016, 16, 771-780.	0.9	3
62	Induction of apoptosis in human bladder cancer cells by triterpenoids isolated from <i>Holarrhena antidysenterica</i> through differential reactive oxygen species generation. <i>Natural Product Research</i> , 2021, 35, 5629-5636.	1.0	2
63	Combination of docetaxel and newly synthesized 9-Br-trimethoxybenzyl-noscapine improve tubulin binding and enhances antitumor activity in breast cancer cells. <i>Computers in Biology and Medicine</i> , 2021, 139, 104996.	3.9	2
64	Serotype-dependent recombinant adeno-associated vector (AAV) infection of Epstein-Barr virus-positive B-cells, towards recombinant AAV-based therapy of focal EBV lymphoproliferative disorders. <i>Virology Journal</i> , 2021, 18, 223.	1.4	2
65	LCMS-DNP based dereplication of <i>Araucaria cunninghamii</i> Mudie gum-resin: identification of new cytotoxic labdane diterpene. <i>Natural Product Research</i> , 2022, 36, 6207-6214.	1.0	2