

T R Santhosh Kumar

List of Publications by Year in descending order

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61
papers

1,837
citations

257450

24
h-index

276875

41
g-index

62
all docs

62
docs citations

62
times ranked

2956
citing authors

#	ARTICLE	IF	CITATIONS
1	Induction of Apoptosis by Curcumin and Its Implications for Cancer Therapy. <i>Current Cancer Drug Targets</i> , 2005, 5, 117-129.	1.6	236
2	Growth of Gold Nanoparticles in Human Cells. <i>Langmuir</i> , 2005, 21, 11562-11567.	3.5	158
3	<i>Fusarium proliferatum</i> , an endophytic fungus from <i>Dysoxylum binectariferum</i> Hook.f, produces rohitukine, a chromane alkaloid possessing anti-cancer activity. <i>Antonie Van Leeuwenhoek</i> , 2012, 101, 323-329.	1.7	114
4	Human colon cancer cells differ in their sensitivity to curcumin-induced apoptosis and heat shock protects them by inhibiting the release of apoptosis-inducing factor and caspases. <i>FEBS Letters</i> , 2003, 538, 19-24.	2.8	105
5	Hesperetin and Naringenin sensitize HER2 positive cancer cells to death by serving as HER2 Tyrosine Kinase inhibitors. <i>Life Sciences</i> , 2016, 160, 47-56.	4.3	68
6	ROS mediated ER stress induces Bax-Bak dependent and independent apoptosis in response to Thioridazine. <i>Biomedicine and Pharmacotherapy</i> , 2018, 106, 200-209.	5.6	56
7	Rutin and quercetin enhance glucose uptake in L6 myotubes under oxidative stress induced by tertiary butyl hydrogen peroxide. <i>Food Chemistry</i> , 2014, 158, 546-554.	8.2	53
8	<i>Dysoxylum binectariferum</i> Hook.f (Meliaceae), a rich source of rohitukine. <i>Fã-toterapã-Ãç</i> , 2010, 81, 145-148.	2.2	52
9	Lysosomal destabilization and cathepsin B contributes for cytochrome <i>c</i> release and caspase activation in embelinã-induced apoptosis. <i>Molecular Carcinogenesis</i> , 2010, 49, 324-336.	2.7	48
10	ERO1±-dependent endoplasmic reticulumã-mitochondrial calcium flux contributes to ER stress and mitochondrial permeabilization by procaspase-activating compound-1 (PAC-1). <i>Cell Death and Disease</i> , 2013, 4, e968-e968.	6.3	46
11	A Stable Matrix for Generation of Tissue-Engineered Nonthrombogenic Vascular Grafts. <i>Tissue Engineering</i> , 2002, 8, 763-770.	4.6	44
12	Essential requirement of cytochrome c release for caspase activation by procaspase-activating compound defined by cellular models. <i>Cell Death and Disease</i> , 2011, 2, e207-e207.	6.3	40
13	Endothelial cell growth factor (ECGF) enmeshed with fibrin matrix enhances proliferation of EC in vitro. <i>Biomaterials</i> , 2001, 22, 2769-2776.	11.4	39
14	Mitochondrial membrane transporters and metabolic switch in heart failure. <i>Heart Failure Reviews</i> , 2019, 24, 255-267.	3.9	39
15	Genetic engineering with endothelial nitric oxide synthase improves functional properties of endothelial progenitor cells from patients with coronary artery disease: an in vitro study. <i>Basic Research in Cardiology</i> , 2009, 104, 739-749.	5.9	38
16	Geometry encoded functional programming of tumor homing peptides for targeted drug delivery. <i>Journal of Controlled Release</i> , 2021, 333, 16-27.	9.9	34
17	Preconditioning L6 Muscle Cells with Naringin Ameliorates Oxidative Stress and Increases Glucose Uptake. <i>PLoS ONE</i> , 2015, 10, e0132429.	2.5	32
18	A freeze-dried fibrin disc as a biodegradable drug release matrix. <i>Biologicals</i> , 2004, 32, 49-55.	1.4	31

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19	Novel BCL2 inhibitor, Disarib induces apoptosis by disruption of BCL2-BAK interaction. <i>Biochemical Pharmacology</i> , 2017, 131, 16-28.	4.4	31
20	A quantitative real-time approach for discriminating apoptosis and necrosis. <i>Cell Death Discovery</i> , 2017, 3, 16101.	4.7	31
21	Syndiotactic peptides for targeted delivery. <i>Acta Biomaterialia</i> , 2019, 87, 130-139.	8.3	30
22	Camptothecin-producing endophytic bacteria from <i>Pyrenacantha volubilis</i> Hook. (Icacinaeae): A possible role of a plasmid in the production of camptothecin. <i>Phytomedicine</i> , 2017, 36, 160-167.	5.3	29
23	Multiple drug resistant, tumorigenic stem-like cells in oral cancer. <i>Cancer Letters</i> , 2013, 338, 300-316.	7.2	26
24	Biosynthesized composites of Au-Ag nanoparticles using <i>Trapa</i> peel extract induced ROS-mediated p53 independent apoptosis in cancer cells. <i>Drug and Chemical Toxicology</i> , 2019, 42, 43-53.	2.3	26
25	Signaling coupled epigenomic regulation of gene expression. <i>Oncogene</i> , 2017, 36, 5917-5926.	5.9	25
26	Molecular profiling of anastatic cancer cells: potential role of the nuclear export pathway. <i>Cellular Oncology (Dordrecht)</i> , 2019, 42, 645-661.	4.4	24
27	A high-throughput real-time in vitro assay using mitochondrial targeted roGFP for screening of drugs targeting mitochondria. <i>Redox Biology</i> , 2019, 20, 379-389.	9.0	24
28	Bax deficiency mediated drug resistance can be reversed by endoplasmic reticulum stress induced death signaling. <i>Biochemical Pharmacology</i> , 2010, 79, 1589-1599.	4.4	19
29	A high-throughput image-based screen for the identification of Bax/Bak-independent caspase activators against drug-resistant cancer cells. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2014, 19, 269-284.	4.9	19
30	Ecotropic viral integration site 1 promotes metastasis independent of epithelial mesenchymal transition in colon cancer cells. <i>Cell Death and Disease</i> , 2018, 9, 18.	6.3	19
31	<i>Pyrenacantha volubilis</i> Wight, (Icacinaeae) a rich source of camptothecine and its derivatives, from the Coromandel Coast forests of India. <i>FÄ-toterapÄ-Äç</i> , 2014, 97, 105-110.	2.2	18
32	A novel inhibitor of BCL2, Disarib abrogates tumor growth while sparing platelets, by activating intrinsic pathway of apoptosis. <i>Biochemical Pharmacology</i> , 2016, 122, 10-22.	4.4	18
33	Transitional dynamics of cancer stem cells in invasion and metastasis. <i>Translational Oncology</i> , 2021, 14, 100909.	3.7	18
34	VDAC1 and SERCA3 Mediate Progesterone-Triggered Ca ²⁺ Signaling in Breast Cancer Cells. <i>Journal of Proteome Research</i> , 2018, 17, 698-709.	3.7	17
35	Metastasis-associated Protein 1 Drives Tumor Cell Migration and Invasion through Transcriptional Repression of RING Finger Protein 144A. <i>Journal of Biological Chemistry</i> , 2012, 287, 5615-5627.	3.4	16
36	Molecular Networking and Whole-Genome Analysis Aid Discovery of an Angucycline That Inactivates mTORC1/C2 and Induces Programmed Cell Death. <i>ACS Chemical Biology</i> , 2020, 15, 780-788.	3.4	16

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37	Molecular hybridization combining tumor homing and penetrating peptide domains for cellular targeting. <i>Drug Delivery and Translational Research</i> , 2022, 12, 1285-1292.	5.8	16
38	Tricin 4- <i>O</i> -(erythro- β -guaiacylglyceryl) ether and tricin 4- <i>O</i> -(threo- β -guaiacylglyceryl) ether isolated from Njavara (<i>Oryza sativa</i> L. var. Njavara), induce apoptosis in multiple tumor cells by mitochondrial pathway. <i>Journal of Natural Medicines</i> , 2013, 67, 528-533.	2.3	15
39	Immortalization and Characterization of Porcine Ventricular Endocardial Endothelial Cells. Endothelium: <i>Journal of Endothelial Cell Research</i> , 2007, 14, 35-43.	1.7	14
40	Identification of heat shock protein 90 inhibitors to sensitize drug resistant side population tumor cells using a cell based assay platform. <i>Cancer Letters</i> , 2012, 317, 78-88.	7.2	14
41	Effect of Apoptosis-Inducing Antitumor Agents on Endocardial Endothelial Cells. <i>Cardiovascular Toxicology</i> , 2011, 11, 253-262.	2.7	13
42	Mechanism of MTA1 Protein Overexpression-linked Invasion. <i>Journal of Biological Chemistry</i> , 2012, 287, 5483-5491.	3.4	13
43	Metastasis-associated protein 1 is an upstream regulator of DNMT3a and stimulator of insulin-growth factor binding protein-3 in breast cancer. <i>Scientific Reports</i> , 2017, 7, 44225.	3.3	11
44	Untargeted metabolomics reveals alterations in metabolites of lipid metabolism and immune pathways in the serum of rats after long-term oral administration of Amalaki rasayana. <i>Molecular and Cellular Biochemistry</i> , 2020, 463, 147-160.	3.1	11
45	Evidence of a dysregulated vitamin D endocrine system in SARS-CoV-2 infected patient's lung cells. <i>Scientific Reports</i> , 2021, 11, 8570.	3.3	11
46	Delivery of Small Molecules by Syndiotactic Peptides for Breast Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2022, 19, 2877-2887.	4.6	11
47	Cytoplasmic translocation of MTA1 coregulator promotes de-repression of SGK1 transcription in hypoxic cancer cells. <i>Oncogene</i> , 2017, 36, 5263-5273.	5.9	10
48	Strategies for imaging mitophagy in high-resolution and high-throughput. <i>European Journal of Cell Biology</i> , 2018, 97, 1-14.	3.6	7
49	Water-Templated, Polysaccharide-rich Bioartificial 3D Microarchitectures as Extra-Cellular Matrix Bioautomatons. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 20912-20921.	8.0	7
50	ER alpha selective chromone, isoxazolychromones, induces ROS-mediated cell death without autophagy. <i>Chemical Biology and Drug Design</i> , 2019, 94, 1352-1367.	3.2	6
51	Engineered Human Adipose-Derived Stem Cells Inducing Endothelial Lineage and Angiogenic Response. <i>Tissue Engineering - Part C: Methods</i> , 2019, 25, 148-159.	2.1	6
52	Nonsteroidal estrogen receptor isoform-selective biphenyls. <i>Chemical Biology and Drug Design</i> , 2018, 91, 620-630.	3.2	5
53	A reporter cell line for real-time imaging of autophagy and apoptosis. <i>Toxicology Letters</i> , 2020, 326, 23-30.	0.8	5
54	A Real-time Image-Based Approach to Distinguish and Discriminate Apoptosis from Necrosis. <i>Current Protocols in Toxicology / Editorial Board, Mahin D Maines (editor-in-chief) [et Al]</i> , 2018, 75, 2.27.1-2.27.16.	1.1	4

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55	Prognostic Implications of DNA Repair, Ploidy and Telomerase in the Malignant Transformation Risk Assessment of Leukoplakia. Asian Pacific Journal of Cancer Prevention, 2020, 21, 309-316.	1.2	4
56	Novel fluorescent spiroborate esters: potential therapeutic agents in in vitro cancer models. Molecular Biology Reports, 2019, 46, 727-740.	2.3	3
57	Real-time visualization and quantitation of cell death and cell cycle progression in 2D and 3D cultures utilizing genetically encoded probes. Journal of Cellular Biochemistry, 2022, 123, 782-797.	2.6	3
58	A rapid bead-based assay for screening of SARS-CoV-2 neutralizing antibodies. Antibody Therapeutics, 2022, 5, 100-110.	1.9	3
59	Endosomal-associated RFFL facilitates mitochondrial clearance by enhancing PRKN/parkin recruitment to mitochondria. Autophagy, 2022, 18, 2851-2864.	9.1	3
60	Mitochondria targeted redox GFP reveals time and dose dependent onset and progression of mitochondrial oxidation with diverging cell death decisions during photodynamic therapy. Photodiagnosis and Photodynamic Therapy, 2020, 31, 101921.	2.6	2
61	Immunological Effects of Laparoscopic Versus Open Rectal Cancer Surgery. Indian Journal of Surgery, 2021, 83, 816-818.	0.3	0