

T R Santhosh Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	Real-time visualization and quantitation of cell death and cell cycle progression in 2D and 3D cultures utilizing genetically encoded probes. <i>Journal of Cellular Biochemistry</i> , 2022, 123, 782-797.	2.6	3
3	A rapid bead-based assay for screening of SARS-CoV-2 neutralizing antibodies. <i>Antibody Therapeutics</i> , 2022, 5, 100-110.	1.9	3
4	Endosomal-associated RFFL facilitates mitochondrial clearance by enhancing PRKN/parkin recruitment to mitochondria. <i>Autophagy</i> , 2022, 18, 2851-2864.	9.1	3
5	Delivery of Small Molecules by Syndiotactic Peptides for Breast Cancer Therapy. <i>Molecular Pharmaceutics</i> , 2022, 19, 2877-2887.	4.6	11
6	Immunological Effects of Laparoscopic Versus Open Rectal Cancer Surgery. <i>Indian Journal of Surgery</i> , 2021, 83, 816-818.	0.3	0
7	Transitional dynamics of cancer stem cells in invasion and metastasis. <i>Translational Oncology</i> , 2021, 14, 100909.	3.7	18
8	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
9	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
10	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
11	Mitochondria targeted redox GFP reveals time and dose dependent onset and progression of mitochondrial oxidation with diverging cell death decisions during photodynamic therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 31, 101921.	2.6	2
12	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
13	A reporter cell line for real-time imaging of autophagy and apoptosis. <i>Toxicology Letters</i> , 2020, 326, 23-30.	0.8	5
14	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
15	Prognostic Implications of DNA Repair, Ploidy and Telomerase in the Malignant Transformation Risk Assessment of Leukoplakia. <i>Asian Pacific Journal of Cancer Prevention</i> , 2020, 21, 309-316.	1.2	4
16	Biosynthesized composites of Au-Ag nanoparticles using Trapa peel extract induced ROS-mediated p53 independent apoptosis in cancer cells. <i>Drug and Chemical Toxicology</i> , 2019, 42, 43-53.	2.3	26
17	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
18	ER alpha selective chromone, isoxazolylchromones, induces ROS-mediated cell death without autophagy. <i>Chemical Biology and Drug Design</i> , 2019, 94, 1352-1367.	3.2	6

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19	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
20	Novel fluorescent spiroborate esters: potential therapeutic agents in in vitro cancer models. <i>Molecular Biology Reports</i> , 2019, 46, 727-740.	2.3	3
21	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
22	Syndiotactic peptides for targeted delivery. <i>Acta Biomaterialia</i> , 2019, 87, 130-139.	8.3	30
23	Mitochondrial membrane transporters and metabolic switch in heart failure. <i>Heart Failure Reviews</i> , 2019, 24, 255-267.	3.9	39
24	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
25	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
26	Nonsteroidal estrogen receptor isoform-selective biphenyls. <i>Chemical Biology and Drug Design</i> , 2018, 91, 620-630.	3.2	5
27	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
28	Strategies for imaging mitophagy in high-resolution and high-throughput. <i>European Journal of Cell Biology</i> , 2018, 97, 1-14.	3.6	7
29	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
30	Novel BCL2 inhibitor, Disarib induces apoptosis by disruption of BCL2-BAK interaction. <i>Biochemical Pharmacology</i> , 2017, 131, 16-28.	4.4	31
31	A quantitative real-time approach for discriminating apoptosis and necrosis. <i>Cell Death Discovery</i> , 2017, 3, 16101.	4.7	31
32	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
33	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
34	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
35	Signaling coupled epigenomic regulation of gene expression. <i>Oncogene</i> , 2017, 36, 5917-5926.	5.9	25
36	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

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37	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
38	Preconditioning L6 Muscle Cells with Naringin Ameliorates Oxidative Stress and Increases Glucose Uptake. <i>PLoS ONE</i> , 2015, 10, e0132429.	2.5	32
39	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
40	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
41	<i>Pyrenacantha volubilis</i> Wight, (Icacinaceae) a rich source of camptothecine and its derivatives, from the Coromandel Coast forests of India. <i>FĀ-toterapĀ-Āç</i> , 2014, 97, 105-110.	2.2	18
42	Tricin 4Ā€²-O-(erythro-Ī²-guaiacylglyceryl) ether and tricin 4Ā€²-O-(threo-Ī²-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
43	Multiple drug resistant, tumorigenic stem-like cells in oral cancer. <i>Cancer Letters</i> , 2013, 338, 300-316.	7.2	26
44	ERO1Ī±-dependent endoplasmic reticulumĀ€“ 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
45	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
46	Mechanism of MTA1 Protein Overexpression-linked Invasion. <i>Journal of Biological Chemistry</i> , 2012, 287, 5483-5491.	3.4	13
47	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
48	<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
49	Effect of Apoptosis-Inducing Antitumor Agents on Endocardial Endothelial Cells. <i>Cardiovascular Toxicology</i> , 2011, 11, 253-262.	2.7	13
50	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
51	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
52	<i>Dysoxylum binectariferum</i> Hook.f (Meliaceae), a rich source of rohitukine. <i>FĀ-toterapĀ-Āç</i> , 2010, 81, 145-148.	2.2	52
53	Lysosomal destabilization and cathepsin B contributes for cytochrome c release and caspase activation in embelinĀ€induced apoptosis. <i>Molecular Carcinogenesis</i> , 2010, 49, 324-336.	2.7	48
54	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

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55	Immortalization and Characterization of Porcine Ventricular Endocardial Endothelial Cells. Endothelium: Journal of Endothelial Cell Research, 2007, 14, 35-43.	1.7	14
56	Induction of Apoptosis by Curcumin and Its Implications for Cancer Therapy. Current Cancer Drug Targets, 2005, 5, 117-129.	1.6	236
57	Growth of Gold Nanoparticles in Human Cells. Langmuir, 2005, 21, 11562-11567.	3.5	158
58	A freeze-dried fibrin disc as a biodegradable drug release matrix. Biologicals, 2004, 32, 49-55.	1.4	31
59	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. FEBS Letters, 2003, 538, 19-24.	2.8	105
60	A Stable Matrix for Generation of Tissue-Engineered Nonthrombogenic Vascular Grafts. Tissue Engineering, 2002, 8, 763-770.	4.6	44
61	Endothelial cell growth factor (ECGF) enmeshed with fibrin matrix enhances proliferation of EC in vitro. Biomaterials, 2001, 22, 2769-2776.	11.4	39