

Srigiridhar Kotamraju

List of Publications by Year in descending order

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66
papers

4,587
citations

117625

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102487

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docs citations

67
times ranked

7333
citing authors

#	ARTICLE	IF	CITATIONS
1	A functional and self-assembling octyl-phosphonium-tagged esculetin as an effective siRNA delivery agent. <i>Chemical Communications</i> , 2021, 57, 12329-12332.	4.1	2
2	Nucleotide pathway inhibitor sensitizes cancer cells to antineoplastic agents by regulating XIAP and RAD21 protein expression. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 804-815.	2.6	4
3	A novel metadherin ⁷ splice variant enhances triple negative breast cancer aggressiveness by modulating mitochondrial function via NF- κ B-SIRT3 axis. <i>Oncogene</i> , 2020, 39, 2088-2102.	5.9	19
4	sp3-Rich Glycyrrhetic Acid Analogues Using Late-Stage Functionalization as Potential Breast Tumor Regressing Agents. <i>ChemMedChem</i> , 2020, 15, 1826-1833.	3.2	3
5	Doxorubicin induces prostate cancer drug resistance by upregulation of ABCG4 through GSH depletion and CREB activation: Relevance of statins in chemosensitization. <i>Molecular Carcinogenesis</i> , 2019, 58, 1118-1133.	2.7	19
6	3-(2-(5-Amino-3-caryl-1H-pyrazol-4-yl)thiazol-4-yl)chromen-2-ones as Potential Anticancer Agents: Synthesis, Anticancer Activity Evaluation and Molecular Docking Studies. <i>ChemistrySelect</i> , 2019, 4, 4324-4330.	1.5	10
7	Metformin treatment prevents SREBP2-mediated cholesterol uptake and improves lipid homeostasis during oxidative stress-induced atherosclerosis. <i>Free Radical Biology and Medicine</i> , 2018, 118, 85-97.	2.9	44
8	Metformin regulates mitochondrial biogenesis and senescence through AMPK mediated H3K79 methylation: Relevance in age-associated vascular dysfunction. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 1115-1128.	3.8	102
9	Mitochondria-targeted esculetin inhibits PAI-1 levels by modulating STAT3 activation and miR-19b via SIRT3: Role in acute coronary artery syndrome. <i>Journal of Cellular Physiology</i> , 2018, 233, 214-225.	4.1	26
10	Recent trends in electrochemical biosensors of superoxide dismutases. <i>Biosensors and Bioelectronics</i> , 2018, 116, 89-99.	10.1	57
11	High Affinity Neutral Bodipy Fluorophores for Mitochondrial Tracking. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 618-622.	2.8	22
12	Resveratrol attenuates monocyte-to-macrophage differentiation and associated inflammation via modulation of intracellular GSH homeostasis: Relevance in atherosclerosis. <i>Free Radical Biology and Medicine</i> , 2016, 96, 392-405.	2.9	53
13	Mitochondria-targeted esculetin alleviates mitochondrial dysfunction by AMPK-mediated nitric oxide and SIRT3 regulation in endothelial cells: potential implications in atherosclerosis. <i>Scientific Reports</i> , 2016, 6, 24108.	3.3	48
14	Three-component, one-pot synthesis of benzo[6,7]cyclohepta[1,2-b]pyridine derivatives under catalyst free conditions and evaluation of their anti-inflammatory activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 858-863.	2.2	18
15	<sc>AMPK</sc> inhibits <sc>MTDH</sc> expression via <sc>GSK</sc>3 β and <sc>SIRT</sc>1 activation: potential role in triple negative breast cancer cell proliferation. <i>FEBS Journal</i> , 2015, 282, 3971-3985.	4.7	47
16	Metformin Inhibits Monocyte-to-Macrophage Differentiation via AMPK-Mediated Inhibition of STAT3 Activation: Potential Role in Atherosclerosis. <i>Diabetes</i> , 2015, 64, 2028-2041.	0.6	310
17	Synthesis of novel 1-substituted triazole linked 1,2-benzothiazine 1,1-dioxido propenone derivatives as potent anti-inflammatory agents and inhibitors of monocyte-to-macrophage differentiation. <i>MedChemComm</i> , 2015, 6, 1494-1500.	3.4	9
18	Synthesis, biological activity evaluation and molecular docking studies of novel coumarin substituted thiazolyl-3-aryl-pyrazole-4-carbaldehydes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 5797-5803.	2.2	65

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19	Novel Bioactive Wild Medicinal Mushroom-Xylaria sp. R006 (Ascomycetes) against Multidrug Resistant Human Bacterial Pathogens and Human Cancer Cell Lines. International Journal of Medicinal Mushrooms, 2015, 17, 1005-1017.	1.5	8
20	Mitochondrial-Targeted Curcuminoids: A Strategy to Enhance Bioavailability and Anticancer Efficacy of Curcumin. PLoS ONE, 2014, 9, e89351.	2.5	80
21	Fluvastatin Mediated Breast Cancer Cell Death: A Proteomic Approach to Identify Differentially Regulated Proteins in MDA-MB-231 Cells. PLoS ONE, 2014, 9, e108890.	2.5	18
22	Antibacterial effect of an extract of the endophytic fungus <i>Alternaria alternata</i> and its cytotoxic activity on MCF-7 and MDA MB-231 tumour cell lines. Biological Letters, 2014, 51, 7-17.	0.6	9
23	Impact of Hyperhomocysteinemia on Breast Cancer Initiation and Progression: Epigenetic Perspective. Cell Biochemistry and Biophysics, 2014, 68, 397-406.	1.8	26
24	Synthesis of Novel Pyrido[3,2-d]pyrimidine Derivatives and Their Cytotoxic Activity. Journal of Heterocyclic Chemistry, 2014, 51, 1531-1535.	2.6	1
25	Synthesis of novel 1,2,3-triazole substituted-N-alkyl/aryl nitrene derivatives, their anti-inflammatory and anticancer activity. European Journal of Medicinal Chemistry, 2014, 80, 184-191.	5.5	95
26	Synthesis and anticancer evaluation of 3-aryl-6-phenylimidazo[2,1-b]thiazoles. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 5428-5431.	2.2	43
27	Synthesis of imidazo[2,1-b][1,3,4]thiadiazole chalcones as apoptosis inducing anticancer agents. MedChemComm, 2014, 5, 1718-1723.	3.4	27
28	Statin-induced inhibition of breast cancer proliferation and invasion involves attenuation of iron transport: intermediacy of nitric oxide and antioxidant defence mechanisms. FEBS Journal, 2014, 281, 3719-3738.	4.7	47
29	Synthesis of novel 1,2-benzothiazine 1,1-dioxide-3-ethanone oxime N-aryl acetamide ether derivatives as potent anti-inflammatory agents and inhibitors of monocyte-to-macrophage transformation. European Journal of Medicinal Chemistry, 2014, 75, 143-150.	5.5	32
30	Synthesis, Characterization and Antitumor Activity of Novel Triazole/ Isoxazole Tagged Pyridine Hybrids. Letters in Organic Chemistry, 2014, 11, 293-302.	0.5	1
31	Gold Nanoparticles with Self-Assembled Cysteine Monolayer Coupled to Nitrate Reductase in Polypyrrole Matrix Enhanced Nitrate Biosensor. Advanced Chemistry Letters, 2013, 1, 2-9.	0.1	14
32	Synthesis and Biological Evaluation of Imidazopyridine Oxindole Conjugates as Microtubule Targeting Agents. ChemMedChem, 2013, 8, 2015-2025.	3.2	36
33	Oxidative stress in coronary artery disease: epigenetic perspective. Molecular and Cellular Biochemistry, 2013, 374, 203-211.	3.1	44
34	Synthesis, antimicrobial and cytotoxic activities of novel 4-trifluoromethyl-(1,2,3)-thiadiazolo-5-carboxylic acid hydrazide Schiff bases. Medicinal Chemistry Research, 2013, 22, 1747-1755.	2.4	8
35	Novel 2-(2,4-dioxo-1,3-thiazolidin-5-yl)acetamides as antioxidant and/or anti-inflammatory compounds. European Journal of Medicinal Chemistry, 2013, 66, 305-313.	5.5	57
36	Synthesis and cytotoxicity of novel 6H-indolo[2,3-b]quinoxaline derivatives. Medicinal Chemistry Research, 2013, 22, 3712-3718.	2.4	21

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37	High Glucose Induced Monocyte Macrophage Differentiation: Role of AMPk. FASEB Journal, 2013, 27, 870.7.	0.5	1
38	Garlic provides protection to mice heart against isoproterenol-induced oxidative damage: Role of nitric oxide. Nitric Oxide - Biology and Chemistry, 2012, 27, 9-17.	2.7	32
39	Virtual electrochemical nitric oxide analyzer using copper, zinc superoxide dismutase immobilized on carbon nanotubes in polypyrrole matrix. Talanta, 2012, 100, 168-174.	5.5	31
40	A facile and single pot strategy for the synthesis of novel naphthyridine derivatives under microwave irradiation conditions using ZnCl ₂ as catalyst, evaluation of AChE inhibitory activity, and molecular modeling studies. Medicinal Chemistry Research, 2012, 21, 1785-1795.	2.4	10
41	Down-regulation of the global regulator SATB1 by statins in COLO205 colon cancer cells. Molecular Medicine Reports, 2010, 3, 857-61.	2.4	14
42	Simultaneous electrochemical determination of superoxide anion radical and nitrite using Cu,ZnSOD immobilized on carbon nanotube in polypyrrole matrix. Biosensors and Bioelectronics, 2010, 26, 689-695.	10.1	78
43	Superoxide Anion Radical Biosensor Using Self-Assembled Cysteine Monolayer on Gold Nanoparticles in Polypyrrole Matrix Facilitated Electron Transfer in Cu, ZnSOD. Sensor Letters, 2010, 8, 613-621.	0.4	7
44	Statin-Induced Breast Cancer Cell Death: Role of Inducible Nitric Oxide and Arginase-Dependent Pathways. Cancer Research, 2007, 67, 7386-7394.	0.9	130
45	Hydrogen peroxide induces nitric oxide and proteasome activity in endothelial cells: A bell-shaped signaling response. Free Radical Biology and Medicine, 2007, 42, 1049-1061.	2.9	84
46	Upregulation of immunoproteasomes by nitric oxide: Potential antioxidative mechanism in endothelial cells. Free Radical Biology and Medicine, 2006, 40, 1034-1044.	2.9	87
47	Expression of the hemochromatosis gene modulates the cytotoxicity of doxorubicin in breast cancer cells. International Journal of Cancer, 2006, 119, 2200-2204.	5.1	9
48	Mitochondria superoxide dismutase mimetic inhibits peroxide-induced oxidative damage and apoptosis: Role of mitochondrial superoxide. Free Radical Biology and Medicine, 2005, 39, 567-583.	2.9	180
49	Sepiapterin attenuates 1-methyl-4-phenylpyridinium-induced apoptosis in neuroblastoma cells transfected with neuronal NOS: Role of tetrahydrobiopterin, nitric oxide, and proteasome activation. Free Radical Biology and Medicine, 2005, 39, 1059-1074.	2.9	33
50	Nitric Oxide, Proteasomal Function, and Iron Homeostasis Implications in Aging and Neurodegenerative Diseases. Methods in Enzymology, 2005, 396, 526-534.	1.0	7
51	Oxidant-Induced Iron Signaling in Doxorubicin-Mediated Apoptosis. Methods in Enzymology, 2004, 378, 362-382.	1.0	57
52	Supplementation of Endothelial Cells with Mitochondria-targeted Antioxidants Inhibit Peroxide-induced Mitochondrial Iron Uptake, Oxidative Damage, and Apoptosis. Journal of Biological Chemistry, 2004, 279, 37575-37587.	3.4	215
53	Î±-Synuclein Up-regulation and Aggregation during MPP ⁺ -induced Apoptosis in Neuroblastoma Cells. Journal of Biological Chemistry, 2004, 279, 15240-15247.	3.4	119
54	1-Methyl-4-phenylpyridinium-induced Apoptosis in Cerebellar Granule Neurons Is Mediated by Transferrin Receptor Iron-dependent Depletion of Tetrahydrobiopterin and Neuronal Nitric-oxide Synthase-derived Superoxide. Journal of Biological Chemistry, 2004, 279, 19099-19112.	3.4	60

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55	Ceramide-induced Intracellular Oxidant Formation, Iron Signaling, and Apoptosis in Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 28614-28624.	3.4	89
56	Doxorubicin Induces Apoptosis in Normal and Tumor Cells via Distinctly Different Mechanisms. <i>Journal of Biological Chemistry</i> , 2004, 279, 25535-25543.	3.4	517
57	Nitric oxide mitigates peroxide-induced iron-signaling, oxidative damage, and apoptosis in endothelial cells: role of proteasomal function?. <i>Archives of Biochemistry and Biophysics</i> , 2004, 423, 74-80.	3.0	19
58	Oxidative Stressâ€“Induced Iron Signaling Is Responsible for Peroxide-Dependent Oxidation of Dichlorodihydrofluorescein in Endothelial Cells. <i>Circulation Research</i> , 2003, 92, 56-63.	4.5	146
59	Nitric oxide inhibits H2O2-induced transferrin receptor-dependent apoptosis in endothelial cells: Role of ubiquitin-proteasome pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 10653-10658.	7.1	97
60	Transferrin Receptor-dependent Iron Uptake Is Responsible for Doxorubicin-mediated Apoptosis in Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 17179-17187.	3.4	190
61	Nitration of PECAM-1 ITIM tyrosines abrogates phosphorylation and SHP-2 binding. <i>Biochemical and Biophysical Research Communications</i> , 2002, 296, 1171-1179.	2.1	36
62	Paradoxical effects of metalloporphyrins on doxorubicin-induced apoptosis: scavenging of reactive oxygen species versus induction of heme oxygenase-1. <i>Free Radical Biology and Medicine</i> , 2002, 33, 988-997.	2.9	58
63	Doxorubicin-induced apoptosis: Implications in cardiotoxicity. <i>Molecular and Cellular Biochemistry</i> , 2002, 234/235, 119-124.	3.1	272
64	Inhibition of Oxidized Low-density Lipoprotein-induced Apoptosis in Endothelial Cells by Nitric Oxide. <i>Journal of Biological Chemistry</i> , 2001, 276, 17316-17323.	3.4	59
65	Doxorubicin-induced Apoptosis Is Associated with Increased Transcription of Endothelial Nitric-oxide Synthase. <i>Journal of Biological Chemistry</i> , 2001, 276, 47266-47276.	3.4	189
66	Doxorubicin-induced Apoptosis in Endothelial Cells and Cardiomyocytes Is Ameliorated by Nitronone Spin Traps and Ebselen. <i>Journal of Biological Chemistry</i> , 2000, 275, 33585-33592.	3.4	336