

Yerra Koteswara Rao

List of Publications by Year in descending order

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81
papers

3,740
citations

87888

38
h-index

133252

59
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88
all docs

88
docs citations

88
times ranked

5065
citing authors

#	ARTICLE	IF	CITATIONS
1	Amberlyst-15: An efficient reusable heterogeneous catalyst for the synthesis of 1,8-dioxo-octahydroxanthenes and 1,8-dioxo-decahydroacridines. <i>Journal of Molecular Catalysis A</i> , 2006, 247, 233-239.	4.8	253
2	Flavonoids and andrographolides from <i>Andrographis paniculata</i> . <i>Phytochemistry</i> , 2004, 65, 2317-2321.	2.9	173
3	Differential effects of synthesized 2- α -oxygenated chalcone derivatives: modulation of human cell cycle phase distribution. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 2679-2686.	3.0	128
4	Evaluation of the anti-inflammatory and anti-proliferation tumoral cells activities of <i>Antrodia camphorata</i> , <i>Cordyceps sinensis</i> , and <i>Cinnamomum osmophloeum</i> bark extracts. <i>Journal of Ethnopharmacology</i> , 2007, 114, 78-85.	4.1	121
5	Cytotoxic triterpenes from <i>Antrodia camphorata</i> and their mode of action in HT-29 human colon cancer cells. <i>Cancer Letters</i> , 2009, 285, 73-79.	7.2	116
6	Antioxidant and cytotoxic activities of naturally occurring phenolic and related compounds: A comparative study. <i>Food and Chemical Toxicology</i> , 2007, 45, 1770-1776.	3.6	113
7	Anti-oxidant and inflammatory mediator's growth inhibitory effects of compounds isolated from <i>Phyllanthus urinaria</i> . <i>Journal of Ethnopharmacology</i> , 2008, 116, 333-340.	4.1	103
8	Flavanoids from <i>Caesalpinia pulcherrima</i> . <i>Phytochemistry</i> , 2003, 63, 789-793.	2.9	99
9	Cytotoxic constituents from <i>Andrographis paniculata</i> induce cell cycle arrest in jurkat cells. <i>Phytotherapy Research</i> , 2008, 22, 1336-1341.	5.8	93
10	Constituents isolated from <i>Cordyceps militaris</i> suppress enhanced inflammatory mediator's production and human cancer cell proliferation. <i>Journal of Ethnopharmacology</i> , 2010, 131, 363-367.	4.1	93
11	Synthesis and biological evaluation of 3,4,5-trimethoxychalcone analogues as inhibitors of nitric oxide production and tumor cell proliferation. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 7909-7914.	3.0	89
12	A simple and efficient one-pot synthesis of 1,4-dihydropyridines using heterogeneous catalyst under solvent-free conditions. <i>Journal of Molecular Catalysis A</i> , 2006, 260, 179-180.	4.8	80
13	The constituents of <i>Anisomeles indica</i> and their anti-inflammatory activities. <i>Journal of Ethnopharmacology</i> , 2009, 121, 292-296.	4.1	80
14	Inhibitory effects of flavonol glycosides from <i>Cinnamomum osmophloeum</i> on inflammatory mediators in LPS/IFN- β -activated murine macrophages. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 2381-2388.	3.0	76
15	Anti-inflammatory activities of flavonoids isolated from <i>Caesalpinia pulcherrima</i> . <i>Journal of Ethnopharmacology</i> , 2005, 100, 249-253.	4.1	76
16	A sesquiterpene lactone antrocin from <i>Antrodia camphorata</i> negatively modulates JAK2/STAT3 signaling via microRNA let-7c and induces apoptosis in lung cancer cells. <i>Carcinogenesis</i> , 2013, 34, 2918-2928.	2.8	73
17	Solid Phase Extraction of Cd, Cu, and Ni from Leafy Vegetables and Plant Leaves Using Amberlite XAD-2 Functionalized with 2-Hydroxy-acetophenone-thiosemicarbazone (HAPTSC) and Determination by Inductively Coupled Plasma Atomic Emission Spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 2868-2872.	5.2	71
18	Highly efficient, mild and chemo- and stereoselective synthesis of enamines and enamine esters using silica supported perchloric acid under solvent-free conditions. <i>Journal of Molecular Catalysis A</i> , 2006, 246, 276-281.	4.8	70

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19	A solvent-free synthesis of coumarins via Pechmann condensation using heterogeneous catalyst. <i>Journal of Molecular Catalysis A</i> , 2006, 255, 49-52.	4.8	69
20	Direct characterization and quantification of volatile organic compounds by piezoelectric module chips sensor. <i>Sensors and Actuators B: Chemical</i> , 2009, 137, 741-746.	7.8	67
21	Enhanced production of an extracellular protease from <i>Beauveria bassiana</i> by optimization of cultivation processes. <i>Biochemical Engineering Journal</i> , 2006, 28, 57-66.	3.6	61
22	Antiinflammatory activities of flavonoids and a triterpene caffeate isolated from <i>Bauhinia variegata</i> . <i>Phytotherapy Research</i> , 2008, 22, 957-962.	5.8	61
23	Inhibitory Effects of the Flavonoids Isolated from <i>Waltheria indica</i> on the Production of NO, TNF- α and IL-12 in Activated Macrophages. <i>Biological and Pharmaceutical Bulletin</i> , 2005, 28, 912-915.	1.4	57
24	Andrographolide and 14-deoxy-11,12-didehydroandrographolide from <i>Andrographis paniculata</i> attenuate high glucose-induced fibrosis and apoptosis in murine renal mesangial cell lines. <i>Journal of Ethnopharmacology</i> , 2010, 132, 497-505.	4.1	57
25	Identification of Antrocin from <i>Antrodia camphorata</i> as a Selective and Novel Class of Small Molecule Inhibitor of Akt/mTOR Signaling in Metastatic Breast Cancer MDA-MB-231 Cells. <i>Chemical Research in Toxicology</i> , 2011, 24, 238-245.	3.3	57
26	Ergosterol peroxide from marine fungus <i>Phoma</i> sp. induces ROS-dependent apoptosis and autophagy in human lung adenocarcinoma cells. <i>Scientific Reports</i> , 2018, 8, 17956.	3.3	57
27	Repositioning of the β -Blocker Carvedilol as a Novel Autophagy Inducer That Inhibits the NLRP3 Inflammasome. <i>Frontiers in Immunology</i> , 2018, 9, 1920.	4.8	53
28	Anti-inflammatory activities of constituents isolated from <i>Phyllanthus polyphyllus</i> . <i>Journal of Ethnopharmacology</i> , 2006, 103, 181-186.	4.1	52
29	Inhibition of <i>Helicobacter pylori</i> -induced inflammation in human gastric epithelial AGS cells by <i>Phyllanthus urinaria</i> extracts. <i>Journal of Ethnopharmacology</i> , 2008, 118, 522-526.	4.1	48
30	Methyl Antrocin A from <i>Antrodia camphorata</i> Induces Apoptosis in Human Liver Cancer Cells through Oxidant-Mediated Cofilin- and Bax-Triggered Mitochondrial Pathway. <i>Chemical Research in Toxicology</i> , 2010, 23, 1256-1267.	3.3	48
31	Antrocin B and Its Ester Derivative from <i>Antrodia camphorata</i> Induce Apoptosis in Hepatocellular Carcinoma Cells Involves Enhancing Oxidative Stress Coincident with Activation of Intrinsic and Extrinsic Apoptotic Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 10943-10954.	5.2	47
32	Medium optimization of carbon and nitrogen sources for the production of spores from <i>Bacillus amyloliquefaciens</i> B128 using response surface methodology. <i>Process Biochemistry</i> , 2007, 42, 535-541.	3.7	46
33	Insulin-Mimetic Action of Rhoifolin and Cosmosiin Isolated from <i>Citrus grandis</i> (L.) Osbeck Leaves: Enhanced Adiponectin Secretion and Insulin Receptor Phosphorylation in 3T3-L1 Cells. <i>Evidence-based Complementary and Alternative Medicine</i> , 2011, 2011, 1-9.	1.2	46
34	Glucosamine inhibits IL-1 β expression by preserving mitochondrial integrity and disrupting assembly of the NLRP3 inflammasome. <i>Scientific Reports</i> , 2019, 9, 5603.	3.3	45
35	Kaempferitrin activates the insulin signaling pathway and stimulates secretion of adiponectin in 3T3-L1 adipocytes. <i>European Journal of Pharmacology</i> , 2009, 607, 27-34.	3.5	42
36	Synthesis, growth inhibition, and cell cycle evaluations of novel flavonoid derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 6850-6855.	3.0	40

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37	4-Acetylanthroquinol B inhibits colorectal cancer tumorigenesis and suppresses cancer stem-like phenotype. <i>Toxicology and Applied Pharmacology</i> , 2015, 288, 258-268.	2.8	40
38	Probing Inhibitory Effects of <i>Antrodia camphorata</i> Isolates Using Insect Cell-Based Impedance Spectroscopy: Inhibition vs Chemical Structure. <i>Chemical Research in Toxicology</i> , 2008, 21, 2127-2133.	3.3	39
39	Inhibitory effect of <i>Antrodia camphorata</i> constituents on the <i>Helicobacter pylori</i> -associated gastric inflammation. <i>Food Chemistry</i> , 2010, 119, 149-153.	8.2	38
40	Aqueous extract of <i>Anisomeles indica</i> and its purified compound exerts anti-metastatic activity through inhibition of NF- κ B/AP-1-dependent MMP-9 activation in human breast cancer MCF-7 cells. <i>Food and Chemical Toxicology</i> , 2012, 50, 2930-2936.	3.6	38
41	Inhibition of pro-inflammatory mediators and tumor cell proliferation by <i>Anisomeles indica</i> extracts. <i>Journal of Ethnopharmacology</i> , 2008, 118, 65-70.	4.1	35
42	Mechanistic insight into the attenuation of gouty inflammation by Taiwanese green propolis via inhibition of the NLRP3 inflammasome. <i>Journal of Cellular Physiology</i> , 2019, 234, 4081-4094.	4.1	34
43	Effect of flavonol glycosides from <i>Cinnamomum osmophloeum</i> leaves on adiponectin secretion and phosphorylation of insulin receptor- β in 3T3-L1 adipocytes. <i>Journal of Ethnopharmacology</i> , 2009, 126, 79-85.	4.1	33
44	Antibacterial activities of <i>Anisomeles indica</i> constituents and their inhibition effect on <i>Helicobacter pylori</i> -induced inflammation in human gastric epithelial cells. <i>Food Chemistry</i> , 2012, 132, 780-787.	8.2	33
45	Methylantcinate A induces tumor specific growth inhibition in oral cancer cells via Bax-mediated mitochondrial apoptotic pathway. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 6145-6148.	2.2	32
46	Chalcone HTMC causes in vitro selective cytotoxicity, cell-cycle G1 phase arrest through p53-dependent pathway in human lung adenocarcinoma A549 cells, and in vivo tumor growth suppression. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 6508-6512.	2.2	31
47	Destruxin B inhibits hepatocellular carcinoma cell growth through modulation of the Wnt/ β -catenin signaling pathway and epithelial-mesenchymal transition. <i>Toxicology in Vitro</i> , 2014, 28, 552-561.	2.4	31
48	Anticancer effects of eleven triterpenoids derived from <i>Antrodia camphorata</i> . <i>Anticancer Research</i> , 2012, 32, 2727-34.	1.1	31
49	Biological evaluation of sulfone derivatives as anti-inflammatory and tumor cells growth inhibitory agents. <i>International Immunopharmacology</i> , 2006, 6, 1699-1705.	3.8	30
50	Clerodane diterpenoids from <i>Pulicaria wightiana</i> . <i>Phytochemistry</i> , 2005, 66, 633-638.	2.9	29
51	Total Synthesis of Heliannone A and (R,S)-Heliannone B, Two Bioactive Flavonoids from <i>Helianthus annuus</i> Cultivars. <i>Journal of Natural Products</i> , 2001, 64, 368-369.	3.0	28
52	Preclinical evaluation of destruxin B as a novel Wnt signaling target suppressing proliferation and metastasis of colorectal cancer using non-invasive bioluminescence imaging. <i>Toxicology and Applied Pharmacology</i> , 2012, 261, 31-41.	2.8	28
53	Solid Phase Extraction of Trace Metals in Seawater Using Morpholine Dithiocarbamate Loaded Amberlite XAD-4 and Determination by ICP-AES. <i>Analytical Letters</i> , 2006, 39, 1009-1021.	1.8	27
54	A simple and rapid method for identification and determination of cordycepin in <i>Cordyceps militaris</i> by capillary electrophoresis. <i>Analytica Chimica Acta</i> , 2006, 566, 253-258.	5.4	26

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55	Highly regio- and stereoselective ring-opening of epoxides and aziridines with sodium azide using ammonium-12-molybdophosphate. <i>Journal of Molecular Catalysis A</i> , 2007, 270, 89-92.	4.8	26
56	Effect of cultivation conditions on spore production from <i>Bacillus amyloliquefaciens</i> B128 and its antagonism to <i>Botrytis elliptica</i> . <i>Journal of Applied Microbiology</i> , 2008, 104, 1275-1282.	3.1	21
57	Synthesis of pyrano and furanoquinolines using silica chloride or amberlyst-15 as a heterogeneous catalyst. <i>Journal of Chemical Research</i> , 2005, 2005, 793-795.	1.3	17
58	Synthetic 4-Hydroxy Auxarconjugatin B, a Novel Autophagy Inducer, Attenuates Gouty Inflammation by Inhibiting the NLRP3 Inflammasome. <i>Cells</i> , 2020, 9, 279.	4.1	16
59	Two New 5-Deoxyflavones from <i>Albizia odoratissima</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2002, 50, 1271-1272.	1.3	15
60	Biflavonoids from <i>Cycas beddomei</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2005, 53, 135-136.	1.3	15
61	Ovatodiolide inhibits the maturation of allergen-induced bone marrow-derived dendritic cells and induction of Th2 cell differentiation. <i>International Immunopharmacology</i> , 2013, 17, 617-624.	3.8	15
62	Flavones from <i>Andrographis viscosula</i> . <i>Phytochemistry</i> , 2002, 61, 927-929.	2.9	14
63	Identification of small molecule inhibitors of telomerase activity through transcriptional regulation of hTERT and calcium induction pathway in human lung adenocarcinoma A549 cells. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 6987-6994.	3.0	14
64	Identification of 3,4,5-trimethoxychalcone analogues as potent inhibitors of <i>Helicobacter pylori</i> -induced inflammation in human gastric epithelial cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 5462-5465.	2.2	14
65	In Vitro Production of Echioidinin, 7-O-Methywogonin from Callus Cultures of <i>Andrographis lineata</i> and Their Cytotoxicity on Cancer Cells. <i>PLoS ONE</i> , 2015, 10, e0141154.	2.5	14
66	Acylated 5,7,2,6-oxygenated flavone glycosides from <i>Andrographis alata</i> . <i>Phytochemistry</i> , 2006, 67, 978-983.	2.9	12
67	Effects of andrographolide and 14-deoxy-11,12-didehydroandrographolide on cultured primary astrocytes and PC12 cells. <i>Life Sciences</i> , 2012, 90, 257-266.	4.3	12
68	Purification of kavalactones from <i>Alpinia zerumbet</i> and their protective actions against hydrogen peroxide-induced cytotoxicity in PC12 cells. <i>Journal of Bioscience and Bioengineering</i> , 2014, 118, 679-688.	2.2	12
69	Flavonoids from <i>Andrographis viscosula</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2003, 51, 1374-1376.	1.3	11
70	A New Highly Oxygenated Pseudoguaianolide from a Collection of the Flowers of <i>Parthenium hysterophorus</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2005, 53, 861-862.	1.3	9
71	Antioxidants enhanced production of destruxin E from cultivation of <i>Metarhizium anisopliae</i> . <i>Applied Microbiology and Biotechnology</i> , 2006, 73, 519-524.	3.6	9
72	Pseudoguaianolides from the Flowers of <i>Parthenium hysterophorus</i> . <i>Helvetica Chimica Acta</i> , 2006, 89, 285-290.	1.6	9

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73	Development of a high performance liquid chromatography method for the quantitative determination of bioactive triterpenoids in the extracts of <i>Anrodia camphorata</i> . <i>Analytical Methods</i> , 2013, 5, 5724.	2.7	8
74	Inhibition of <i>Helicobacter pylori</i> CagA-Induced Pathogenesis by Methylantcinate B from <i>Anrodia camphorata</i> . <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-12.	1.2	7
75	New Clerodane Diterpenoids from the Aerial Parts of <i>Pulicaria wightiana</i> . <i>Chemistry and Biodiversity</i> , 2006, 3, 175-179.	2.1	6
76	Zirconium Tetrachloride Catalysed Synthesis of Symmetric and Unsymmetric Ethers from Secondary Benzylic Alcohols. <i>Journal of Chemical Research</i> , 2007, 2007, 717-719.	1.3	6
77	3,3',4', 5'-Tetramethoxychalcone inhibits human oral cancer cell proliferation and migration via p53-mediated mitochondrial-dependent apoptosis. <i>Anticancer Research</i> , 2014, 34, 1811-9.	1.1	6
78	(E)-1-(2-Hydroxy-3,4-dimethoxyphenyl)-3-(4-hydroxyphenyl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o1323-o1325.	0.2	4
79	Two New 5-Deoxyflavonoids from <i>Calliandra inermis</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2004, 52, 974-975.	1.3	3
80	A cyclohexadepsipeptide from entomogenous fungi <i>Metarhizium anisopliae</i> inhibits the <i>Helicobacter pylori</i> induced pathogenesis through attenuation of vacuolating cytotoxin-A activity. <i>Process Biochemistry</i> , 2015, 50, 134-139.	3.7	2
81	Antioxidant activities of underexplored Chinese medicinal plant parts and their effect against high glucose-induced modulation of fibronectin expression. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 858, 012006.	0.3	0