

# 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  
g-index

88  
all docs

88  
docs citations

88  
times ranked

5065  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antioxidant activities of underexplored Chinese medicinal plant parts and their effect against high glucose-induced modulation of fibronectin expression. IOP Conference Series: Earth and Environmental Science, 2021, 858, 012006.	0.3	0
2	Synthetic 4-Hydroxy Auxarconjugatin B, a Novel Autophagy Inducer, Attenuates Gouty Inflammation by Inhibiting the NLRP3 Inflammasome. Cells, 2020, 9, 279.	4.1	16
3	Glucosamine inhibits IL-1 $\beta$ expression by preserving mitochondrial integrity and disrupting assembly of the NLRP3 inflammasome. Scientific Reports, 2019, 9, 5603.	3.3	45
4	Mechanistic insight into the attenuation of gouty inflammation by Taiwanese green propolis via inhibition of the NLRP3 inflammasome. Journal of Cellular Physiology, 2019, 234, 4081-4094.	4.1	34
5	Ergosterol peroxide from marine fungus <i>Phoma</i> sp. induces ROS-dependent apoptosis and autophagy in human lung adenocarcinoma cells. Scientific Reports, 2018, 8, 17956.	3.3	57
6	Repositioning of the $\beta$ -Blocker Carvedilol as a Novel Autophagy Inducer That Inhibits the NLRP3 Inflammasome. Frontiers in Immunology, 2018, 9, 1920.	4.8	53
7	In Vitro Production of Echioidinin, 7-O-Methylwogonin from Callus Cultures of <i>Andrographis lineata</i> and Their Cytotoxicity on Cancer Cells. PLoS ONE, 2015, 10, e0141154.	2.5	14
8	4-Acetylanthroquinol B inhibits colorectal cancer tumorigenesis and suppresses cancer stem-like phenotype. Toxicology and Applied Pharmacology, 2015, 288, 258-268.	2.8	40
9	A cyclohexadepsipeptide from entomogenous fungi <i>Metarhizium anisopliae</i> inhibits the <i>Helicobacter pylori</i> induced pathogenesis through attenuation of vacuolating cytotoxin-A activity. Process Biochemistry, 2015, 50, 134-139.	3.7	2
10	Purification of kavalactones from <i>Alpinia zerumbet</i> and their protective actions against hydrogen peroxide-induced cytotoxicity in PC12 cells. Journal of Bioscience and Bioengineering, 2014, 118, 679-688.	2.2	12
11	Destruxin B inhibits hepatocellular carcinoma cell growth through modulation of the Wnt/ $\beta$ -catenin signaling pathway and epithelial $\rightarrow$ mesenchymal transition. Toxicology in Vitro, 2014, 28, 552-561.	2.4	31
12	3,3',4', 5'-Tetramethoxychalcone inhibits human oral cancer cell proliferation and migration via p53-mediated mitochondrial-dependent apoptosis. Anticancer Research, 2014, 34, 1811-9.	1.1	6
13	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. Carcinogenesis, 2013, 34, 2918-2928.	2.8	73
14	Development of a high performance liquid chromatography method for the quantitative determination of bioactive triterpenoids in the extracts of <i>Antrodia camphorata</i> . Analytical Methods, 2013, 5, 5724.	2.7	8
15	Ovatodiolide inhibits the maturation of allergen-induced bone marrow-derived dendritic cells and induction of Th2 cell differentiation. International Immunopharmacology, 2013, 17, 617-624.	3.8	15
16	Inhibition of <i>Helicobacter pylori</i> CagA-Induced Pathogenesis by Methylantcinic B from <i>Antrodia camphorata</i> . Evidence-based Complementary and Alternative Medicine, 2013, 2013, 1-12.	1.2	7
17	Effects of andrographolide and 14-deoxy-11,12-didehydroandrographolide on cultured primary astrocytes and PC12 cells. Life Sciences, 2012, 90, 257-266.	4.3	12
18	Aqueous extract of <i>Anisomeles indica</i> and its purified compound exerts anti-metastatic activity through inhibition of NF- $\kappa$ B/AP-1-dependent MMP-9 activation in human breast cancer MCF-7 cells. Food and Chemical Toxicology, 2012, 50, 2930-2936.	3.6	38

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19	Antibacterial activities of Anisomeles indica constituents and their inhibition effect on Helicobacter pylori-induced inflammation in human gastric epithelial cells. Food Chemistry, 2012, 132, 780-787.	8.2	33
20	Preclinical evaluation of destruxin B as a novel Wnt signaling target suppressing proliferation and metastasis of colorectal cancer using non-invasive bioluminescence imaging. Toxicology and Applied Pharmacology, 2012, 261, 31-41.	2.8	28
21	Anticancer effects of eleven triterpenoids derived from Antrodia camphorata. Anticancer Research, 2012, 32, 2727-34.	1.1	31
22	Identification of Antrocin from Antrodia camphorata as a Selective and Novel Class of Small Molecule Inhibitor of Akt/mTOR Signaling in Metastatic Breast Cancer MDA-MB-231 Cells. Chemical Research in Toxicology, 2011, 24, 238-245.	3.3	57
23	Antcin B and Its Ester Derivative from Antrodia camphorata Induce Apoptosis in Hepatocellular Carcinoma Cells Involves Enhancing Oxidative Stress Coincident with Activation of Intrinsic and Extrinsic Apoptotic Pathway. Journal of Agricultural and Food Chemistry, 2011, 59, 10943-10954.	5.2	47
24	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. Evidence-based Complementary and Alternative Medicine, 2011, 2011, 1-9.	1.2	46
25	Identification of small molecule inhibitors of telomerase activity through transcriptional regulation of hTERT and calcium induction pathway in human lung adenocarcinoma A549 cells. Bioorganic and Medicinal Chemistry, 2010, 18, 6987-6994.	3.0	14
26	Inhibitory effect of Antrodia camphorata constituents on the Helicobacter pylori-associated gastric inflammation. Food Chemistry, 2010, 119, 149-153.	8.2	38
27	Identification of 3,4,5-trimethoxychalcone analogues as potent inhibitors of Helicobacter pylori-induced inflammation in human gastric epithelial cells. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 5462-5465.	2.2	14
28	Methylantcin A induces tumor specific growth inhibition in oral cancer cells via Bax-mediated mitochondrial apoptotic pathway. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 6145-6148.	2.2	32
29	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. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 6508-6512.	2.2	31
30	Methyl Antcin A from <i>Antrodia camphorata</i> Induces Apoptosis in Human Liver Cancer Cells through Oxidant-Mediated Cofilin- and Bax-Triggered Mitochondrial Pathway. Chemical Research in Toxicology, 2010, 23, 1256-1267.	3.3	48
31	Constituents isolated from Cordyceps militaris suppress enhanced inflammatory mediator's production and human cancer cell proliferation. Journal of Ethnopharmacology, 2010, 131, 363-367.	4.1	93
32	Andrographolide and 14-deoxy-11,12-didehydroandrographolide from Andrographis paniculata attenuate high glucose-induced fibrosis and apoptosis in murine renal mesangial cell lines. Journal of Ethnopharmacology, 2010, 132, 497-505.	4.1	57
33	Kaempferitrin activates the insulin signaling pathway and stimulates secretion of adiponectin in 3T3-L1 adipocytes. European Journal of Pharmacology, 2009, 607, 27-34.	3.5	42
34	Synthesis and biological evaluation of 3,4,5-trimethoxychalcone analogues as inhibitors of nitric oxide production and tumor cell proliferation. Bioorganic and Medicinal Chemistry, 2009, 17, 7909-7914.	3.0	89
35	Direct characterization and quantification of volatile organic compounds by piezoelectric module chips sensor. Sensors and Actuators B: Chemical, 2009, 137, 741-746.	7.8	67
36	Cytotoxic triterpenes from Antrodia camphorata and their mode of action in HT-29 human colon cancer cells. Cancer Letters, 2009, 285, 73-79.	7.2	116

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37	The constituents of <i>Anisomeles indica</i> and their anti-inflammatory activities. <i>Journal of Ethnopharmacology</i> , 2009, 121, 292-296.	4.1	80
38	Effect of flavonol glycosides from <i>Cinnamomum osmophloeum</i> leaves on adiponectin secretion and phosphorylation of insulin receptor- $\beta^2$ in 3T3-L1 adipocytes. <i>Journal of Ethnopharmacology</i> , 2009, 126, 79-85.	4.1	33
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	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
52	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
53	Anti-inflammatory activities of constituents isolated from <i>Phyllanthus polyphyllus</i> . <i>Journal of Ethnopharmacology</i> , 2006, 103, 181-186.	4.1	52
54	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

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55	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
56	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
57	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
58	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
59	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
60	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
61	Acylated 5,7,2,6-oxygenated flavone glycosides from <i>Andrographis alata</i> . <i>Phytochemistry</i> , 2006, 67, 978-983.	2.9	12
62	Highly efficient, mild and chemo- and stereoselective synthesis of enamines and enamino esters using silica supported perchloric acid under solvent-free conditions. <i>Journal of Molecular Catalysis A</i> , 2006, 246, 276-281.	4.8	70
63	New Clerodane Diterpenoids from the Aerial Parts of <i>Pulicaria wightiana</i> . <i>Chemistry and Biodiversity</i> , 2006, 3, 175-179.	2.1	6
64	Pseudoguaianolides from the Flowers of <i>Parthenium hysterophorus</i> . <i>Helvetica Chimica Acta</i> , 2006, 89, 285-290.	1.6	9
65	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
66	Inhibitory Effects of the Flavonoids Isolated from <i>Waltheria indica</i> on the Production of NO, TNF- $\alpha$ and IL-12 in Activated Macrophages. <i>Biological and Pharmaceutical Bulletin</i> , 2005, 28, 912-915.	1.4	57
67	Biflavonoids from <i>Cycas beddomei</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2005, 53, 135-136.	1.3	15
68	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
69	Clerodane diterpenoids from <i>Pulicaria wightiana</i> . <i>Phytochemistry</i> , 2005, 66, 633-638.	2.9	29
70	Inhibitory effects of flavonol glycosides from <i>Cinnamomum osmophloeum</i> on inflammatory mediators in LPS/IFN- $\beta$ -activated murine macrophages. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 2381-2388.	3.0	76
71	Synthesis, growth inhibition, and cell cycle evaluations of novel flavonoid derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 6850-6855.	3.0	40
72	(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

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73	Anti-inflammatory activities of flavonoids isolated from <i>Caesalpinia pulcherrima</i> . <i>Journal of Ethnopharmacology</i> , 2005, 100, 249-253.	4.1	76
74	Differential effects of synthesized 2- $\alpha$ -oxygenated chalcone derivatives: modulation of human cell cycle phase distribution. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 2679-2686.	3.0	128
75	Flavonoids and andrographolides from <i>Andrographis paniculata</i> . <i>Phytochemistry</i> , 2004, 65, 2317-2321.	2.9	173
76	Two New 5-Deoxyflavonoids from <i>Calliandra inermis</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2004, 52, 974-975.	1.3	3
77	Flavanoids from <i>Caesalpinia pulcherrima</i> . <i>Phytochemistry</i> , 2003, 63, 789-793.	2.9	99
78	Flavonoids from <i>Andrographis viscosula</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2003, 51, 1374-1376.	1.3	11
79	Two New 5-Deoxyflavones from <i>Albizia odoratissima</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2002, 50, 1271-1272.	1.3	15
80	Flavones from <i>Andrographis viscosula</i> . <i>Phytochemistry</i> , 2002, 61, 927-929.	2.9	14
81	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