

# Arunachalam Chinnathambi

## List of Publications by Year in descending order

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Version: 2024-02-01

150  
papers

4,634  
citations

109321

35  
h-index

133252

59  
g-index

154  
all docs

154  
docs citations

154  
times ranked

5523  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Multifaceted Role of Curcumin in Cancer Prevention and Treatment. <i>Molecules</i> , 2015, 20, 2728-2769.	3.8	369
2	NF- $\kappa$ B in cancer therapy. <i>Archives of Toxicology</i> , 2015, 89, 711-731.	4.2	169
3	Targeting TNF-related apoptosis-inducing ligand (TRAIL) receptor by natural products as a potential therapeutic approach for cancer therapy. <i>Experimental Biology and Medicine</i> , 2015, 240, 760-773.	2.4	166
4	Isorhamnetin augments the anti-tumor effect of capecitabine through the negative regulation of NF- $\kappa$ B signaling cascade in gastric cancer. <i>Cancer Letters</i> , 2015, 363, 28-36.	7.2	143
5	Thymoquinone Inhibits Bone Metastasis of Breast Cancer Cells Through Abrogation of the CXCR4 Signaling Axis. <i>Frontiers in Pharmacology</i> , 2018, 9, 1294.	3.5	141
6	Resveratrol inhibits STAT3 signaling pathway through the induction of SOCS-1: Role in apoptosis induction and radiosensitization in head and neck tumor cells. <i>Phytomedicine</i> , 2016, 23, 566-577.	5.3	131
7	Farnesol abrogates epithelial to mesenchymal transition process through regulating Akt/mTOR pathway. <i>Pharmacological Research</i> , 2019, 150, 104504.	7.1	114
8	Trisubstituted-Imidazoles Induce Apoptosis in Human Breast Cancer Cells by Targeting the Oncogenic PI3K/Akt/mTOR Signaling Pathway. <i>PLoS ONE</i> , 2016, 11, e0153155.	2.5	114
9	Brusatol suppresses STAT3-driven metastasis by downregulating epithelial-mesenchymal transition in hepatocellular carcinoma. <i>Journal of Advanced Research</i> , 2020, 26, 83-94.	9.5	100
10	Role of novel histone modifications in cancer. <i>Oncotarget</i> , 2018, 9, 11414-11426.	1.8	88
11	Oleuropein induces apoptosis via abrogating NF- $\kappa$ B activation cascade in estrogen receptor $\alpha$ negative breast cancer cells. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 4504-4513.	2.6	85
12	Antifouling pseudo-zwitterionic poly(vinylidene fluoride) membranes with efficient mixed-charge surface grafting via glow dielectric barrier discharge plasma-induced copolymerization. <i>Journal of Membrane Science</i> , 2016, 516, 13-25.	8.2	83
13	A novel benzimidazole derivative, MBIC inhibits tumor growth and promotes apoptosis via activation of ROS-dependent JNK signaling pathway in hepatocellular carcinoma. <i>Oncotarget</i> , 2017, 8, 12831-12842.	1.8	82
14	Novel 1,3,4-Oxadiazole Induces Anticancer Activity by Targeting NF- $\kappa$ B in Hepatocellular Carcinoma Cells. <i>Frontiers in Oncology</i> , 2018, 8, 42.	2.8	76
15	Pan-HDAC inhibition by panobinostat mediates chemosensitization to carboplatin in non-small cell lung cancer via attenuation of EGFR signaling. <i>Cancer Letters</i> , 2018, 417, 152-160.	7.2	69
16	Essential oils as an effective alternative for the treatment of COVID-19: Molecular interaction analysis of protease (Mpro) with pharmacokinetics and toxicological properties. <i>Journal of Infection and Public Health</i> , 2021, 14, 601-610.	4.1	67
17	Cardamonin represses proliferation, invasion, and causes apoptosis through the modulation of signal transducer and activator of transcription 3 pathway in prostate cancer. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2017, 22, 158-168.	4.9	66
18	NGAL is Downregulated in Oral Squamous Cell Carcinoma and Leads to Increased Survival, Proliferation, Migration and Chemoresistance. <i>Cancers</i> , 2018, 10, 228.	3.7	65

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19	Ginkgolic Acid C 17:1, Derived from Ginkgo biloba Leaves, Suppresses Constitutive and Inducible STAT3 Activation through Induction of PTEN and SHP-1 Tyrosine Phosphatase. <i>Molecules</i> , 2017, 22, 276.	3.8	59
20	Synthesis, spectroscopic identification, thermal, potentiometric and antibacterial activity studies of 4-amino-5-mercapto-S-triazole Schiff's base complexes. <i>Journal of Molecular Structure</i> , 2015, 1087, 60-67.	3.6	57
21	A novel 4,6-disubstituted-1,2,4-triazolo-1,3,4-thiadiazole derivative inhibits tumor cell invasion and potentiates the apoptotic effect of TNF $\alpha$ by abrogating NF- $\kappa$ B activation cascade. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2017, 22, 145-157.	4.9	53
22	Synthesis of novel ternary hybrid g-C <sub>3</sub> N <sub>4</sub> @Ag-ZnO nanocomposite with Z-scheme enhanced solar light-driven methylene blue degradation and antibacterial activities. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105366.	6.7	53
23	Spectral and structure characterization of Ferula assafoetida fabricated silver nanoparticles and evaluation of its cytotoxic, and photocatalytic competence. <i>Environmental Research</i> , 2022, 204, 111987.	7.5	53
24	Inhibition of p300 lysine acetyltransferase activity by luteolin reduces tumor growth in head and neck squamous cell carcinoma (HNSCC) xenograft mouse model. <i>Oncotarget</i> , 2015, 6, 43806-43818.	1.8	52
25	The $\kappa$ B Kinase Inhibitor ACP Targets the STAT3 Signaling Pathway in Human Non-Small Cell Lung Carcinoma Cells. <i>Biomolecules</i> , 2019, 9, 875.	4.0	50
26	Cycloastragenol can negate constitutive STAT3 activation and promote paclitaxel-induced apoptosis in human gastric cancer cells. <i>Phytomedicine</i> , 2019, 59, 152907.	5.3	49
27	Apoptotic induction and anti-metastatic activity of eugenol encapsulated chitosan nanopolymer on rat glioma C6 cells via alleviating the MMP signaling pathway. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 203, 111773.	3.8	47
28	Vitexin abrogates invasion and survival of hepatocellular carcinoma cells through targeting STAT3 signaling pathway. <i>Biochimie</i> , 2020, 175, 58-68.	2.6	47
29	Zwitterionic Modifications for Enhancing the Antifouling Properties of Poly(vinylidene fluoride) Membranes. <i>Langmuir</i> , 2016, 32, 4113-4124.	3.5	46
30	Development of Novel Triazolo-Thiadiazoles from Heterogeneous $\alpha$ -Green Catalysis as Protein Tyrosine Phosphatase 1B Inhibitors. <i>Scientific Reports</i> , 2015, 5, 14195.	3.3	44
31	Isorhynchophylline, a Potent Plant Alkaloid, Induces Apoptotic and Anti-Metastatic Effects in Human Hepatocellular Carcinoma Cells through the Modulation of Diverse Cell Signaling Cascades. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1095.	4.1	44
32	LDL cholesterol promotes the proliferation of prostate and pancreatic cancer cells by activating the STAT3 pathway. <i>Journal of Cellular Physiology</i> , 2021, 236, 5253-5264.	4.1	44
33	A novel combinatorial strategy using Seliciclib and Belinostat for eradication of non-small cell lung cancer via apoptosis induction and BID activation. <i>Cancer Letters</i> , 2016, 381, 49-57.	7.2	41
34	Green synthesis of Zirconium nanoparticles using Punica granatum (pomegranate) peel extract and their antimicrobial and antioxidant potency. <i>Environmental Research</i> , 2022, 209, 112771.	7.5	41
35	Novel Synthetic Oxazines Target NF- $\kappa$ B in Colon Cancer In Vitro and Inflammatory Bowel Disease In Vivo. <i>PLoS ONE</i> , 2016, 11, e0163209.	2.5	39
36	Evaluating the potency of Sulawesi propolis compounds as ACE-2 inhibitors through molecular docking for COVID-19 drug discovery preliminary study. <i>Journal of King Saud University - Science</i> , 2021, 33, 101297.	3.5	39

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37	N-Substituted Pyrido-1,4-Oxazin-3-Ones Induce Apoptosis of Hepatocellular Carcinoma Cells by Targeting NF- $\kappa$ B Signaling Pathway. <i>Frontiers in Pharmacology</i> , 2018, 9, 1125.	3.5	35
38	<i>Abrus</i> agglutinin stimulates BMP $\beta$ -dependent differentiation through autophagic degradation of $\beta$ -catenin in colon cancer stem cells. <i>Molecular Carcinogenesis</i> , 2018, 57, 664-677.	2.7	33
39	Green synthesis and chemical characterization of a novel anti-human pancreatic cancer supplement by silver nanoparticles containing <i>Zingiber officinale</i> leaf aqueous extract. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103081.	4.9	32
40	Fabrication, characterization, anti-inflammatory, and anti-diabetic activity of silver nanoparticles synthesized from <i>Azadirachta indica</i> kernel aqueous extract. <i>Environmental Research</i> , 2022, 208, 112684.	7.5	32
41	What if Fleming had not discovered penicillin?. <i>Saudi Journal of Biological Sciences</i> , 2014, 21, 289-293.	3.8	31
42	Casticin inhibits growth and enhances ionizing radiation-induced apoptosis through the suppression of STAT3 signaling cascade. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 9787-9798.	2.6	31
43	Assessment of hexavalent chromium (VI) biosorption competence of indigenous <i>Aspergillus tubingensis</i> AF3 isolated from bauxite mine tailing. <i>Chemosphere</i> , 2021, 282, 131055.	8.2	30
44	Fangchinoline, a Bisbenzylisoquinoline Alkaloid can Modulate Cytokine-Impelled Apoptosis via the Dual Regulation of NF- $\kappa$ B and AP-1 Pathways. <i>Molecules</i> , 2019, 24, 3127.	3.8	29
45	Punicalagin promotes the apoptosis in human cervical cancer (ME-180) cells through mitochondrial pathway and by inhibiting the NF- $\kappa$ B signaling pathway. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 1100-1106.	3.8	29
46	<i>Abrus</i> agglutinin promotes irreparable DNA damage by triggering ROS generation followed by ATM $\beta$ 73 mediated apoptosis in oral squamous cell carcinoma. <i>Molecular Carcinogenesis</i> , 2017, 56, 2400-2413.	2.7	28
47	Epoxyated Zwitterionic Triblock Copolymers Grafted onto Metallic Surfaces for General Biofouling Mitigation. <i>Langmuir</i> , 2017, 33, 9822-9835.	3.5	28
48	Attenuation of STAT3 Signaling Cascade by Daidzin Can Enhance the Apoptotic Potential of Bortezomib against Multiple Myeloma. <i>Biomolecules</i> , 2020, 10, 23.	4.0	28
49	Facile synthesis of Fe <sub>3</sub> O <sub>4</sub> anchored polyaniline intercalated graphene oxide as an effective adsorbent for the removal of hexavalent chromium and phosphate ions. <i>Chemosphere</i> , 2021, 272, 129851.	8.2	28
50	Phyllanthin prevents diethylnitrosamine (DEN) induced liver carcinogenesis in rats and induces apoptotic cell death in HepG2 cells. <i>Biomedicine and Pharmacotherapy</i> , 2021, 137, 111335.	5.6	27
51	In vitro antibacterial activity of MGDC-palmitoyl from <i>Oscillatoria acuminata</i> NTAPC05 against extended-spectrum $\beta$ -lactamase producers. <i>Journal of Antibiotics</i> , 2017, 70, 754-762.	2.0	26
52	Synergistic supplementation of organic carbon substrates for upgrading neutral lipids and fatty acids contents in microalga. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105482.	6.7	26
53	D-Carvone inhibit cerebral ischemia/reperfusion induced inflammatory response TLR4/NLRP3 signaling pathway. <i>Biomedicine and Pharmacotherapy</i> , 2020, 132, 110870.	5.6	25
54	Osteogenic differentiation and mineralization potential of zinc oxide nanoparticles from <i>Scutellaria baicalensis</i> on human osteoblast-like MG-63 cells. <i>Materials Science and Engineering C</i> , 2021, 119, 111656.	7.3	25

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55	Brucein D modulates MAPK signaling cascade to exert multi-faceted anti-neoplastic actions against breast cancer cells. <i>Biochimie</i> , 2021, 182, 140-151.	2.6	25
56	Crocetin imparts antiproliferative activity via inhibiting <sc>STAT3</sc> signaling in hepatocellular carcinoma. <i>IUBMB Life</i> , 2021, 73, 1348-1362.	3.4	25
57	Formononetin Regulates Multiple Oncogenic Signaling Cascades and Enhances Sensitivity to Bortezomib in a Multiple Myeloma Mouse Model. <i>Biomolecules</i> , 2019, 9, 262.	4.0	24
58	Phycoremediation potential of <i>Chlorella</i> sp. on the polluted Thirumanimutharu river water. <i>Chemosphere</i> , 2021, 277, 130246.	8.2	24
59	2,5-Dihydroxyacetophenone Induces Apoptosis of Multiple Myeloma Cells by Regulating the MAPK Activation Pathway. <i>Molecules</i> , 2017, 22, 1157.	3.8	23
60	Celastrol Alleviates Gamma Irradiation-Induced Damage by Modulating Diverse Inflammatory Mediators. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1084.	4.1	23
61	Copper oxide nanoparticles from <i>Rabdosia rubescens</i> attenuates the complete Freund's adjuvant (CFA) induced rheumatoid arthritis in rats via suppressing the inflammatory proteins COX-2/PGE2. <i>Arabian Journal of Chemistry</i> , 2020, 13, 5639-5650.	4.9	23
62	<i>Microbacterium album</i> sp. nov. and <i>Microbacterium deserti</i> sp. nov., two halotolerant actinobacteria isolated from desert soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 217-222.	1.7	23
63	Tris(dibenzylideneacetone)dipalladium(0) (Tris DBA) Abrogates Tumor Progression in Hepatocellular Carcinoma and Multiple Myeloma Preclinical Models by Regulating the STAT3 Signaling Pathway. <i>Cancers</i> , 2021, 13, 5479.	3.7	23
64	Expression of important pathway genes involved in withanolides biosynthesis in hairy root culture of <i>Withania somnifera</i> upon treatment with <i>Gracilaria edulis</i> and <i>Sargassum wightii</i> . <i>Plant Physiology and Biochemistry</i> , 2015, 91, 61-64.	5.8	22
65	Surface zwitterionization on versatile hydrophobic interfaces <i>via</i> a combined copolymerization/self-assembling process. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4909-4919.	5.8	22
66	Biosynthesis of gold nanoparticles using <i>Vetex negundo</i> and evaluation of pro-apoptotic effect on human gastric cancer cell lines. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 203, 111749.	3.8	22
67	Ovalbumin-mediated synthesis and simultaneous functionalization of graphene with increased protein stability. <i>Green Chemistry Letters and Reviews</i> , 2020, 13, 60-67.	4.7	22
68	Biogenesis of copper nanoparticles (Cu-NPs) using leaf extract of <i>Allium noeanum</i>, antioxidant and <i>in-vitro</i> cytotoxicity. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2021, 49, 500-510.	2.8	22
69	Viperatoxinâ€œI: A novel viper venom protein as an effective bactericidal agent. <i>FEBS Open Bio</i> , 2015, 5, 928-941.	2.3	21
70	Zwitterionic fibrous polypropylene assembled with amphiphatic carboxybetaine copolymers for hemocompatible blood filtration. <i>Acta Biomaterialia</i> , 2016, 40, 130-141.	8.3	21
71	Evodiamine Mitigates Cellular Growth and Promotes Apoptosis by Targeting the c-Met Pathway in Prostate Cancer Cells. <i>Molecules</i> , 2020, 25, 1320.	3.8	21
72	Diosgenin attenuates tumor growth and metastasis in transgenic prostate cancer mouse model by negatively regulating both NF- $\kappa$ B/STAT3 signaling cascades. <i>European Journal of Pharmacology</i> , 2021, 906, 174274.	3.5	21

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73	Assessment of the bacterial contamination of hand air dryer in washrooms. Saudi Journal of Biological Sciences, 2016, 23, 268-271.	3.8	20
74	Surface charge-bias impact of amine-contained pseudozwitterionic biointerfaces on the human blood compatibility. Colloids and Surfaces B: Biointerfaces, 2017, 151, 372-383.	5.0	20
75	A Zwitterionic-Shielded Carrier with pH-Modulated Reversible Self-Assembly for Gene Transfection. Langmuir, 2017, 33, 1914-1926.	3.5	20
76	Potential Protective Effects of Ursolic Acid against Gamma Irradiation-Induced Damage Are Mediated through the Modulation of Diverse Inflammatory Mediators. Frontiers in Pharmacology, 2017, 8, 352.	3.5	20
77	Hemocompatible biomaterials of zwitterionic sulfobetaine hydrogels regulated with pH-responsive DMAEMA random sequences. International Journal of Polymeric Materials and Polymeric Biomaterials, 2016, 65, 65-74.	3.4	19
78	Plumbagin protects the myocardial damage by modulating the cardiac biomarkers, antioxidants, and apoptosis signaling in the doxorubicin-induced cardiotoxicity in rats. Environmental Toxicology, 2020, 35, 1374-1385.	4.0	19
79	Zinc nanoparticles green-synthesized by Alhagi maurorum leaf aqueous extract: Chemical characterization and cytotoxicity, antioxidant, and anti-osteosarcoma effects. Arabian Journal of Chemistry, 2021, 14, 103083.	4.9	19
80	Tunable PEGylation of branch-type PEI/DNA polyplexes with a compromise of low cytotoxicity and high transgene expression: in vitro and in vivo gene delivery. Journal of Materials Chemistry B, 2017, 5, 4732-4744.	5.8	18
81	Novel marine Nocardiosis dassonvillei-DS013 mediated silver nanoparticles characterization and its bactericidal potential against clinical isolates. Saudi Journal of Biological Sciences, 2020, 27, 991-995.	3.8	18
82	Novel 1,3,4-oxadiazole Targets STAT3 Signaling to Induce Antitumor Effect in Lung Cancer. Biomedicines, 2020, 8, 368.	3.2	17
83	Purification and characterization of carboxymethylcellulase from Bacillus pumilus EWBCM1 isolated from earthworm gut (Eudrilus eugeniae). Journal of King Saud University - Science, 2021, 33, 101261.	3.5	17
84	Bioinert Control of Zwitterionic Poly(ethylene terephthalate) Fibrous Membranes. Langmuir, 2019, 35, 1727-1739.	3.5	16
85	Novel strategy for biodegradation of 4-nitrophenol by the immobilized cells of Pseudomonas sp. YPS3 with Acacia gum. Saudi Journal of Biological Sciences, 2021, 28, 833-839.	3.8	16
86	Involvement of exogenous polyamines enhances regeneration and Agrobacterium-mediated genetic transformation in half-seeds of soybean. 3 Biotech, 2016, 6, 148.	2.2	15
87	3-Formylchromone Counteracts STAT3 Signaling Pathway by Elevating SHP-2 Expression in Hepatocellular Carcinoma. Biology, 2022, 11, 29.	2.8	15
88	Adjustable Bioadhesive Control of PEGylated Hyperbranch Brushes on Polystyrene Microplate Interface for the Improved Sensitivity of Human Blood Typing. Langmuir, 2014, 30, 9139-9146.	3.5	14
89	An intuitive thermal-induced surface zwitterionization for versatile, well-controlled haemocompatible organic and inorganic materials. Colloids and Surfaces B: Biointerfaces, 2015, 127, 54-64.	5.0	14
90	Stimuli-Responsive and Hemocompatible Pseudozwitterionic Interfaces. Langmuir, 2015, 31, 2861-2869.	3.5	14

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91	Novel phospholipase A2 inhibitors from python serum are potent peptide antibiotics. <i>Biochimie</i> , 2015, 111, 30-44.	2.6	13
92	The cell aggregating propensity of probiotic actinobacterial isolates: isolation and characterization of the aggregation inducing peptide pheromone. <i>Biofouling</i> , 2016, 32, 71-79.	2.2	13
93	Identification of protocatechuic acid as a novel blocker of epithelial-to-mesenchymal transition in lung tumor cells. <i>Phytotherapy Research</i> , 2021, 35, 1953-1966.	5.8	13
94	Fungi fabrication, characterization, and anticancer activity of silver nanoparticles using metals resistant <i>Aspergillus niger</i> . <i>Environmental Research</i> , 2022, 208, 112721.	7.5	13
95	Potential Applications of Halloysite Nanotubes as Drug Carriers: A Review. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-7.	2.7	13
96	Inflection of Akt/mTOR/STAT-3 cascade in TNF- $\alpha$ induced protein 8 mediated human lung carcinogenesis. <i>Life Sciences</i> , 2020, 262, 118475.	4.3	12
97	Protective effect of panaxydol against repeated administration of aristolochic acid on renal function and lipid peroxidation products via activating Keap1-Nrf2/ARE pathway in rat kidney. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, e22619.	3.0	12
98	Lung cancer induced by Benzo(A)Pyrene: ChemoProtective effect of sinapic acid in swiss albino mice. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 7125-7133.	3.8	12
99	Taxonomic identification and bioactive compounds characterization of <i>Psilocybe cubensis</i> DPT1 to probe its antibacterial and mosquito larvicidal competency. <i>Microbial Pathogenesis</i> , 2020, 143, 104138.	2.9	11
100	Identification of a novel 1,2 oxazine that can induce apoptosis by targeting NF- $\kappa$ B in hepatocellular carcinoma cells. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2020, 25, e00438.	4.4	11
101	Synthesis of zirconia nanoparticles using <i>Laurus nobilis</i> for use as an antimicrobial agent. <i>Applied Nanoscience (Switzerland)</i> , 2023, 13, 1337-1344.	3.1	11
102	Design of hemocompatible poly(DMAEMA-co-PEGMA) hydrogels for controlled release of insulin. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	10
103	High-efficient <i>Agrobacterium</i> -mediated in planta transformation in black gram ( <i>Vigna mungo</i> (L.) Tj ETQq1 1 0.784314 rgBT /Overloc	2.1	10
104	Anticarcinogenic effect of zinc oxide nanoparticles synthesized from <i>Rhizoma paridis</i> saponins on Molt-4 leukemia cells. <i>Journal of King Saud University - Science</i> , 2020, 32, 1865-1871.	3.5	10
105	Eugenol-piperine loaded polyhydroxy butyrate/polyethylene glycol nanocomposite-induced apoptosis and cell death in nasopharyngeal cancer (C666-1) cells through the inhibition of the PI3K/AKT/mTOR signaling pathway. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, e22700.	3.0	10
106	Tomentosin Reduces Behavior Deficits and Neuroinflammatory Response in MPTP-Induced Parkinson's Disease in Mice. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2021, 40, 75-84.	1.2	10
107	Biosynthesis of TiO <sub>2</sub> nanoparticles by <i>Acalypha indica</i> ; photocatalytic degradation of methylene blue. <i>Applied Nanoscience (Switzerland)</i> , 2023, 13, 383-390.	3.1	10
108	Leelamine Modulates STAT5 Pathway Causing Both Autophagy and Apoptosis in Chronic Myelogenous Leukemia Cells. <i>Biology</i> , 2022, 11, 366.	2.8	10

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109	Euphorbiasteroid Abrogates EGFR and Wnt/ $\beta^2$ -Catenin Signaling in Non-Small-Cell Lung Cancer Cells to Impart Anticancer Activity. <i>Molecules</i> , 2022, 27, 3824.	3.8	10
110	Withanolide modulates the potential crosstalk between apoptosis and autophagy in different colorectal cancer cell lines. <i>European Journal of Pharmacology</i> , 2022, 928, 175113.	3.5	10
111	Factors affecting Agrobacterium-mediated transformation in <i>Hybanthus enneaspermus</i> (L.) F. Muell.. <i>Plant Biotechnology Reports</i> , 2016, 10, 49-60.	1.5	9
112	Novel green synthesis and characterization of a chemotherapeutic supplement by silver nanoparticles containing <i>Berberis thunbergii</i> leaf for the treatment of human pancreatic cancer. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 887-897.	3.1	9
113	Combined use of irinotecan with histone deacetylase inhibitor belinostat could cause severe toxicity by inhibiting SN-38 glucuronidation via UGT1A1. <i>Oncotarget</i> , 2017, 8, 41572-41581.	1.8	9
114	Tanshinone IIA exerts autophagic cell death through down-regulation of $\beta^2$ -catenin in renal cell carcinoma cells. <i>Biochimie</i> , 2022, 200, 119-130.	2.6	9
115	Hemocompatibility of pseudozwitterionic polymer brushes with a systematic well-defined charge-bias control. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2014, 25, 1558-1572.	3.5	8
116	Universal Bioinert Control of Polystyrene Interfaces via Hydrophobic-Driven Self-Assembled Surface PEGylation with a Well-Defined Block Sequence. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700102.	2.2	8
117	Fangchinoline targets epithelial-mesenchymal transition process by modulating activation of multiple cell signaling pathways. <i>Journal of Cellular Biochemistry</i> , 2022, 123, 1222-1236.	2.6	8
118	Hemocompatible interface control via thermal-activated bio-inspired surface PEGylation. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016, 65, 409-420.	3.4	7
119	Pyrimidine-2,4-dione targets STAT3 signaling pathway to induce cytotoxicity in hepatocellular carcinoma cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 50, 128332.	2.2	7
120	Industrial Important Enzymes from Alkaliphiles – An overview. <i>Biosciences, Biotechnology Research Asia</i> , 2015, 12, 2007-2016.	0.5	7
121	Fisetin suppresses 1,2-dimethylhydrazine-induced colon tumorigenesis in Wistar rats via enhancing the apoptotic signaling pathway. <i>Journal of King Saud University - Science</i> , 2020, 32, 1959-1964.	3.5	6
122	Arbutin exerts anticancer activity against rat C6 glioma cells by inducing apoptosis and inhibiting the inflammatory markers and P13/Akt/mTOR cascade. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, e22857.	3.0	6
123	Evaluation of antibacterial efficacy of various solvent extracts of <i>Evolvulus alsinoides</i> and <i>Mucuna pruriens</i> against multidrug resistant (MDR) pathogenic bacteria. <i>Applied Nanoscience (Switzerland)</i> , 2023, 13, 1425-1435.	3.1	6
124	Nimbolide prevents myocardial damage by regulating cardiac biomarkers, antioxidant level, and apoptosis signaling against doxorubicin-induced cardiotoxicity in rats. <i>Journal of Biochemical and Molecular Toxicology</i> , 2020, 34, e22543.	3.0	5
125	Loss of TIPE3 reduced the proliferation, survival and migration of lung cancer cells through inactivation of Akt/mTOR, NF- $\kappa$ B, and STAT-3 signaling cascades. <i>Life Sciences</i> , 2022, 293, 120332.	4.3	5
126	Silver nanoparticles (AgNPs) fabricating potential of aqueous shoot extract of <i>Aristolochia bracteolata</i> and assessed their antioxidant efficiency. <i>Environmental Research</i> , 2022, 208, 112683.	7.5	5



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127	Development of 1-(4-(Substituted)piperazin-1-yl)-2-((2-((4-methoxybenzyl)thio)pyrimidin-4-yl)oxy)ethanones That Target Poly (ADP-Ribose) Polymerase in Human Breast Cancer Cells. <i>Molecules</i> , 2022, 27, 2848.	3.8	5
128	Screening of Actinomycetes for Enzyme and Antimicrobial Activities from the Soil Sediments of Northern Tamil Nadu, South India. <i>Journal of Biologically Active Products From Nature</i> , 2015, 5, 58-70.	0.3	4
129	Neuroprotective effect of rhaponticin against Parkinson disease: Insights from in vitro BVâ€2 model and in vivo MPTPâ€induced mice model. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, e22631.	3.0	4
130	Antiâ€inflammatory effects of rhaponticin on LPSâ€induced human endothelial cells through inhibition of MAPK/NFâ€Î² signaling pathways. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, e22733.	3.0	4
131	Green synthesized zinc oxide/neodymium nanocomposites from Avaram Senna flower extract induces apoptosis in gastric cancer AGS cell line through inhibition of the PI3K/AKT/mTOR signaling pathway. <i>Journal of King Saud University - Science</i> , 2021, 33, 101641.	3.5	4
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