

# 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	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
2	Optimization of extraction and quantification of Flavonoids from <i>Averrhoa bilimbi</i> fruits using RP-HPLC and its correlation between total flavonoids content against antimicrobial activity. <i>Applied Nanoscience (Switzerland)</i> , 2023, 13, 1293-1300.	3.1	2
3	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
4	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
5	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
6	Spectral and structure characterization of <i>Ferula assafoetida</i> fabricated silver nanoparticles and evaluation of its cytotoxic, and photocatalytic competence. <i>Environmental Research</i> , 2022, 204, 111987.	7.5	53
7	Influence of dissolved oxygen on the synthesis of Ag-Au mono and bimetallic nanostructure using <i>Cudrania tricuspidata</i> leaf extract and its broad-spectrum antibacterial activity. <i>Materials Letters</i> , 2022, 310, 131471.	2.6	3
8	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
9	Preparation, characterization and investigation of the anti-human ovarian cancer of silver nanoparticles green-formulated by <i>Salvia officinalis</i> leaf aqueous extract. <i>Archives of Medical Science</i> , 2022, , .	0.9	1
10	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
11	STAT3/HIF1A and EMT specific transcription factors regulated genes: Novel predictors of breast cancer metastasis. <i>Gene</i> , 2022, 818, 146245.	2.2	2
12	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
13	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
14	Green synthesis of Zirconium nanoparticles using <i>Punica granatum</i> (pomegranate) peel extract and their antimicrobial and antioxidant potency. <i>Environmental Research</i> , 2022, 209, 112771.	7.5	41
15	Leelamine Modulates STAT5 Pathway Causing Both Autophagy and Apoptosis in Chronic Myelogenous Leukemia Cells. <i>Biology</i> , 2022, 11, 366.	2.8	10
16	Oxytetracycline Degrading Potential of <i>Lysinibacillus</i> sp. Strain 3+I Isolated from Poultry Manure. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-10.	1.2	1
17	Development of a Model System to Study Expression Profile of RAC2 Gene in Breast Cancer MDA-MB-231 Cell Line. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-8.	1.2	2
18	Isolation, Identification, Characterization, and Plasmid Profile of Urinary Tract Infectious <i>Escherichia coli</i> from Clinical Samples. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-10.	1.2	3

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19	In vitro efficacy of green synthesized ZnO nanoparticles against biofilm and virulence of <i>Serratia marcescens</i> . <i>Progress in Organic Coatings</i> , 2022, 166, 106781.	3.9	4
20	3-Formylchromone Counteracts STAT3 Signaling Pathway by Elevating SHP-2 Expression in Hepatocellular Carcinoma. <i>Biology</i> , 2022, 11, 29.	2.8	15
21	Potential Applications of Halloysite Nanotubes as Drug Carriers: A Review. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-7.	2.7	13
22	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
23	Leelamine Exerts Antineoplastic Effects in Association with Modulating Mitogen-Activated Protein Kinase Signaling Cascade. <i>Nutrition and Cancer</i> , 2022, 74, 3375-3387.	2.0	3
24	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
25	Tanshinone IIA exerts autophagic cell death through down-regulation of $\beta$ -catenin in renal cell carcinoma cells. <i>Biochimie</i> , 2022, 200, 119-130.	2.6	9
26	Euphorbiasteroid Abrogates EGFR and Wnt/ $\beta$ -Catenin Signaling in Non-Small-Cell Lung Cancer Cells to Impart Anticancer Activity. <i>Molecules</i> , 2022, 27, 3824.	3.8	10
27	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
28	Neuroprotective effect of rhaponticin against Parkinson disease: Insights from in vitro BV2 model and in vivo MPTP-induced mice model. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, e22631.	3.0	4
29	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
30	Novel strategy for biodegradation of 4-nitrophenol by the immobilized cells of <i>Pseudomonas</i> sp. YPS3 with Acacia gum. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 833-839.	3.8	16
31	Identification of protocathechuic acid as a novel blocker of epithelial-mesenchymal transition in lung tumor cells. <i>Phytotherapy Research</i> , 2021, 35, 1953-1966.	5.8	13
32	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
33	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
34	Anticancer Effect of Troxerutin in Human Non-Small-Cell Lung Cancer Cell A549 and Inhibition of Tumor Formation in BALB/c Nude Mice. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2021, 40, 25-35.	1.2	2
35	Biogenesis of copper nanoparticles (Cu-NPs) using leaf extract of <i>Allium noeanum</i> , antioxidant and in-vitro cytotoxicity. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2021, 49, 500-510.	2.8	22
36	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

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37	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
38	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
39	Phyllanthin inhibits MOLT-4 leukemic cancer cell growth and induces apoptosis through the inhibition of AKT and JNK signaling pathway. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, 1-10.	3.0	2
40	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
41	Zinc nanoparticles green-synthesized by <i>Alhagi maurorum</i> leaf aqueous extract: Chemical characterization and cytotoxicity, antioxidant, and anti-osteosarcoma effects. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103083.	4.9	19
42	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
43	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
44	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
45	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
46	Anti-human acute leukemia, cytotoxicity, antioxidant, and collagenase and aldose reductase inhibition effects of 2-Hydroxy-4,5-dimethoxyacetophenone in the in vitro condition. <i>Archives of Medical Science</i> , 2021, , .	0.9	0
47	Phycoremediation potential of <i>Chlorella</i> sp. on the polluted Thirumanimutharu river water. <i>Chemosphere</i> , 2021, 277, 130246.	8.2	24
48	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
49	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
50	Introducing a novel chemotherapeutic drug formulated by Anthraflavic acid for the treatment of human breast carcinoma and Type 2 diabetes mellitus. <i>Archives of Medical Science</i> , 2021, , .	0.9	1
51	Novel formulation, cytotoxicity, antioxidant, and anti-human lung cancer properties of gold nanoparticles containing <i>Verbascum thapsus</i> L. leaf aqueous extract. <i>Archives of Medical Science</i> , 2021, , .	0.9	2
52	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
53	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
54	Crocetin imparts antiproliferative activity via inhibiting <sc>STAT3</sc> signaling in hepatocellular carcinoma. <i>IUBMB Life</i> , 2021, 73, 1348-1362.	3.4	25

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55	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
56	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
57	Purification and characterization of carboxymethylcellulase from <i>Bacillus pumilus</i> EWBCM1 isolated from earthworm gut ( <i>Eudrilus eugeniae</i> ). <i>Journal of King Saud University - Science</i> , 2021, 33, 101261.	3.5	17
58	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
59	Anti-inflammatory effects of rhaponticin on LPS-induced human endothelial cells through inhibition of MAPK/NF- $\kappa$ B signaling pathways. <i>Journal of Biochemical and Molecular Toxicology</i> , 2021, 35, e22733.	3.0	4
60	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
61	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
62	Anti-human ovarian cancer, cytotoxicity, and antioxidant effects of <i>Nigella Sativa</i> green-formulated Au nanoparticles: Describing a new chemotherapeutic supplement. <i>Archives of Medical Science</i> , 2021, , .	0.9	2
63	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
64	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
65	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
66	D-Carvone inhibit cerebral ischemia/reperfusion induced inflammatory response TLR4/NLRP3 signaling pathway. <i>Biomedicine and Pharmacotherapy</i> , 2020, 132, 110870.	5.6	25
67	Plumbagin protects the myocardial damage by modulating the cardiac biomarkers, antioxidants, and apoptosis signaling in the doxorubicin-induced cardiotoxicity in rats. <i>Environmental Toxicology</i> , 2020, 35, 1374-1385.	4.0	19
68	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
69	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
70	Novel 1,3,4-oxadiazole Targets STAT3 Signaling to Induce Antitumor Effect in Lung Cancer. <i>Biomedicines</i> , 2020, 8, 368.	3.2	17
71	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
72	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

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73	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
74	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
75	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
76	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
77	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
78	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
79	Celastrol Alleviates Gamma Irradiation-Induced Damage by Modulating Diverse Inflammatory Mediators. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1084.	4.1	23
80	Novel marine <i>Nocardiosis dasonvillei</i> -DS013 mediated silver nanoparticles characterization and its bactericidal potential against clinical isolates. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 991-995.	3.8	18
81	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
82	Vitexin abrogates invasion and survival of hepatocellular carcinoma cells through targeting STAT3 signaling pathway. <i>Biochimie</i> , 2020, 175, 58-68.	2.6	47
83	Bioinert Control of Zwitterionic Poly(ethylene terephthalate) Fibrous Membranes. <i>Langmuir</i> , 2019, 35, 1727-1739.	3.5	16
84	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
85	Farnesol abrogates epithelial to mesenchymal transition process through regulating Akt/mTOR pathway. <i>Pharmacological Research</i> , 2019, 150, 104504.	7.1	114
86	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
87	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
88	The $\kappa$ B Kinase Inhibitor ACHP Targets the STAT3 Signaling Pathway in Human Non-Small Cell Lung Carcinoma Cells. <i>Biomolecules</i> , 2019, 9, 875.	4.0	50
89	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
90	Oleuropein induces apoptosis via abrogating NF- $\kappa$ B activation cascade in estrogen receptor-negative breast cancer cells. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 4504-4513.	2.6	85



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91	<i>Abrus</i> agglutinin stimulates BMP2-dependent differentiation through autophagic degradation of $\beta$ -catenin in colon cancer stem cells. <i>Molecular Carcinogenesis</i> , 2018, 57, 664-677.	2.7	33
92	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
93	N-Substituted Pyrido-1,4-Oxazin-3-Ones Induce Apoptosis of Hepatocellular Carcinoma Cells by Targeting NF- $\beta$ Signaling Pathway. <i>Frontiers in Pharmacology</i> , 2018, 9, 1125.	3.5	35
94	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
95	Role of novel histone modifications in cancer. <i>Oncotarget</i> , 2018, 9, 11414-11426.	1.8	88
96	Novel 1,3,4-Oxadiazole Induces Anticancer Activity by Targeting NF- $\beta$ in Hepatocellular Carcinoma Cells. <i>Frontiers in Oncology</i> , 2018, 8, 42.	2.8	76
97	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
98	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
99	<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
100	Surface charge-bias impact of amine-contained pseudozwitterionic biointerfaces on the human blood compatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 151, 372-383.	5.0	20
101	A Zwitterionic-Shielded Carrier with pH-Modulated Reversible Self-Assembly for Gene Transfection. <i>Langmuir</i> , 2017, 33, 1914-1926.	3.5	20
102	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. <i>Journal of Materials Chemistry B</i> , 2017, 5, 4732-4744.	5.8	18
103	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
104	<i>Abrus</i> agglutinin promotes irreparable DNA damage by triggering ROS generation followed by ATM-p73 mediated apoptosis in oral squamous cell carcinoma. <i>Molecular Carcinogenesis</i> , 2017, 56, 2400-2413.	2.7	28
105	In vitro antibacterial activity of MGDG-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
106	Epoxyated Zwitterionic Triblock Copolymers Grafted onto Metallic Surfaces for General Biofouling Mitigation. <i>Langmuir</i> , 2017, 33, 9822-9835.	3.5	28
107	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
108	Relationship Between Fetal Loss and Serum Gonadal Hormones Level in Experimental Antiphospholipid Syndrome Mouse. <i>Indian Journal of Clinical Biochemistry</i> , 2017, 32, 347-352.	1.9	3

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109	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. Apoptosis: an International Journal on Programmed Cell Death, 2017, 22, 145-157.	4.9	53
110	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
111	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. Molecules, 2017, 22, 276.	3.8	59
112	2,5-Dihydroxyacetophenone Induces Apoptosis of Multiple Myeloma Cells by Regulating the MAPK Activation Pathway. Molecules, 2017, 22, 1157.	3.8	23
113	Isorhynchophylline, a Potent Plant Alkaloid, Induces Apoptotic and Anti-Metastatic Effects in Human Hepatocellular Carcinoma Cells through the Modulation of Diverse Cell Signaling Cascades. International Journal of Molecular Sciences, 2017, 18, 1095.	4.1	44
114	A novel benzimidazole derivative, MBIC inhibits tumor growth and promotes apoptosis via activation of ROS-dependent JNK signaling pathway in hepatocellular carcinoma. Oncotarget, 2017, 8, 12831-12842.	1.8	82
115	Combined use of irinotecan with histone deacetylase inhibitor belinostat could cause severe toxicity by inhibiting SN-38 glucuronidation via UGT1A1. Oncotarget, 2017, 8, 41572-41581.	1.8	9
116	Novel Synthetic Oxazines Target NF- $\kappa$ B in Colon Cancer In Vitro and Inflammatory Bowel Disease In Vivo. PLoS ONE, 2016, 11, e0163209.	2.5	39
117	Factors affecting Agrobacterium-mediated transformation in Hybanthus enneaspermus (L.) F. Muell.. Plant Biotechnology Reports, 2016, 10, 49-60.	1.5	9
118	Zwitterionic Modifications for Enhancing the Antifouling Properties of Poly(vinylidene fluoride) Membranes. Langmuir, 2016, 32, 4113-4124.	3.5	46
119	High-efficient Agrobacterium-mediated in planta transformation in black gram (Vigna mungo (L.) Tj ETQq1 1 0.784314 rgBT /Overloc	2.1	10
120	Involvement of exogenous polyamines enhances regeneration and Agrobacterium-mediated genetic transformation in half-seeds of soybean. 3 Biotech, 2016, 6, 148.	2.2	15
121	A novel combinatorial strategy using Seliciclib <sup>®</sup> and Belinostat <sup>®</sup> for eradication of non-small cell lung cancer via apoptosis induction and BID activation. Cancer Letters, 2016, 381, 49-57.	7.2	41
122	Antifouling pseudo-zwitterionic poly(vinylidene fluoride) membranes with efficient mixed-charge surface grafting via glow dielectric barrier discharge plasma-induced copolymerization. Journal of Membrane Science, 2016, 516, 13-25.	8.2	83
123	The cell aggregating propensity of probiotic actinobacterial isolates: isolation and characterization of the aggregation inducing peptide pheromone. Biofouling, 2016, 32, 71-79.	2.2	13
124	Assessment of the bacterial contamination of hand air dryer in washrooms. Saudi Journal of Biological Sciences, 2016, 23, 268-271.	3.8	20
125	Zwitterionic fibrous polypropylene assembled with amphiphatic carboxybetaine copolymers for hemocompatible blood filtration. Acta Biomaterialia, 2016, 40, 130-141.	8.3	21
126	Resveratrol inhibits STAT3 signaling pathway through the induction of SOCS-1: Role in apoptosis induction and radiosensitization in head and neck tumor cells. Phytomedicine, 2016, 23, 566-577.	5.3	131



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127	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
128	Hemocompatible biomaterials of zwitterionic sulfobetaine hydrogels regulated with pH-responsive DMAEMA random sequences. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016, 65, 65-74.	3.4	19
129	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
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