Mahitosh Mandal

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9029758/publications.pdf

Version: 2024-02-01

214 papers	11,227 citations	20759 60 h-index	39575 94 g-index
222 all docs	222 docs citations	222 times ranked	15571 citing authors

#	Article	IF	Citations
1	Transcriptional repression of oestrogen receptor by metastasis-associated protein 1 corepressor. Nature Cell Biology, 2001, 3, 30-37.	4.6	354
2	A naturally occurring MTA1 variant sequesters oestrogen receptor-Î± in the cytoplasm. Nature, 2002, 418, 654-657.	13.7	238
3	Regulatable Expression of p21-activated Kinase-1 Promotes Anchorage-independent Growth and Abnormal Organization of Mitotic Spindles in Human Epithelial Breast Cancer Cells. Journal of Biological Chemistry, 2000, 275, 36238-36244.	1.6	226
4	The potential of celecoxib-loaded hydroxyapatite-chitosan nanocomposite for the treatment of colon cancer. Biomaterials, 2011, 32, 3794-3806.	5.7	214
5	Antiproliferative Effects of Honey and of Its Polyphenols: A Review. Journal of Biomedicine and Biotechnology, 2009, 2009, 1-13.	3.0	213
6	Cell cycle-dependent modulation of telomerase activity in tumor cells.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 6091-6095.	3.3	205
7	Physical Interaction between Epidermal Growth Factor Receptor and DNA-dependent Protein Kinase in Mammalian Cells. Journal of Biological Chemistry, 1998, 273, 1568-1573.	1.6	203
8	Regulation of Cyclooxygenase-2 pathway by HER2 receptor. Oncogene, 1999, 18, 305-314.	2.6	200
9	Epithelial to mesenchymal transition in head and neck squamous carcinoma. Cancer, 2008, 112, 2088-2100.	2.0	184
10	Cancer development, chemoresistance, epithelial to mesenchymal transition and stem cells: A snapshot of IL-6 mediated involvement. Cancer Letters, 2016, 375, 51-61.	3.2	184
11	Improvement of cellular uptake, in vitro antitumor activity and sustained release profile with increased bioavailability from a nanoemulsion platform. International Journal of Pharmaceutics, 2014, 460, 131-143.	2.6	169
12	Exosome as a Novel Shuttle for Delivery of Therapeutics across Biological Barriers. Molecular Pharmaceutics, 2019, 16, 24-40.	2.3	163
13	Autophagy. Advances in Cancer Research, 2013, 118, 61-95.	1.9	161
14	Epidermal Growth Factor Receptor (EGFR) Is Overexpressed in Anaplastic Thyroid Cancer, and the EGFR Inhibitor Gefitinib Inhibits the Growth of Anaplastic Thyroid Cancer. Clinical Cancer Research, 2004, 10, 8594-8602.	3.2	154
15	Regulation of Microfilament Reorganization and Invasiveness of Breast Cancer Cells by Kinase Dead p21-activated Kinase-1. Journal of Biological Chemistry, 2000, 275, 12041-12050.	1.6	153
16	Apoptotic effect of eugenol in human colon cancer cell lines. Cell Biology International, 2011, 35, 607-615.	1.4	149
17	PI3K and Akt as molecular targets for cancer therapy: current clinical outcomes. Acta Pharmacologica Sinica, 2012, 33, 1441-1458.	2.8	141
18	Synthesis of biocompatible multicolor luminescent carbon dots for bioimaging applications. Science and Technology of Advanced Materials, 2012, 13, 045008.	2.8	140

#	Article	IF	Citations
19	p21â€activated kinase 1 interacts with and phosphorylates histone H3 in breast cancer cells. EMBO Reports, 2002, 3, 767-773.	2.0	134
20	Silk sericin protein of tropical tasar silkworm inhibits UVB-induced apoptosis in human skin keratinocytes. Molecular and Cellular Biochemistry, 2008, 311, 111-119.	1.4	133
21	Bcl-2 Modulates Telomerase Activity. Journal of Biological Chemistry, 1997, 272, 14183-14187.	1.6	132
22	Nuclear targeting of Bax during apoptosis in human colorectal cancer cells. Oncogene, 1998, 17, 999-1007.	2.6	129
23	Events associated with apoptotic effect of p-Coumaric acid in HCT-15 colon cancer cells. World Journal of Gastroenterology, 2013, 19, 7726.	1.4	129
24	Dual growth factor loaded nonmulberry silk fibroin/carbon nanofiber composite 3D scaffolds for inÂvitro and inÂvivo bone regeneration. Biomaterials, 2017, 136, 67-85.	5.7	128
25	Engineered silk fibroin protein 3D matrices for in vitro tumor model. Biomaterials, 2011, 32, 2149-2159.	5.7	126
26	Antineoplastic and Apoptotic Potential of Traditional Medicines Thymoquinone and Diosgenin in Squamous Cell Carcinoma. PLoS ONE, 2012, 7, e46641.	1.1	125
27	Molecular targeting of Akt by thymoquinone promotes G1 arrest through translation inhibition of cyclin D1 and induces apoptosis in breast cancer cells. Life Sciences, 2013, 93, 783-790.	2.0	116
28	Pro-survival autophagy and cancer cell resistance to therapy. Cancer and Metastasis Reviews, 2018, 37, 749-766.	2.7	116
29	Insights into molecular therapy of glioma: current challenges and next generation blueprint. Acta Pharmacologica Sinica, 2017, 38, 591-613.	2.8	115
30	Etk/Bmx Tyrosine Kinase Activates Pak1 and Regulates Tumorigenicity of Breast Cancer Cells. Journal of Biological Chemistry, 2001, 276, 29403-29409.	1.6	114
31	Growth Factors Regulate Heterogeneous Nuclear Ribonucleoprotein K Expression and Function. Journal of Biological Chemistry, 2001, 276, 9699-9704.	1.6	108
32	Identification and structural insights of three novel antimicrobial peptides isolated from green coconut water. Peptides, 2009, 30, 633-637.	1.2	105
33	Interferon-induces expression of cyclin-dependent kinase-inhibitors p21WAF1 and p27Kip1 that prevent activation of cyclin-dependent kinase by CDK-activating kinase (CAK). Oncogene, 1998, 16, 217-225.	2.6	104
34	Bcl-2 Prevents CD95 (Fas/APO-1)-induced Degradation of Lamin B and Poly(ADP-ribose) Polymerase and Restores the NF-Î²B Signaling Pathway. Journal of Biological Chemistry, 1996, 271, 30354-30359.	1.6	102
35	Targeted Apoptotic Effects of Thymoquinone and Tamoxifen on XIAP Mediated Akt Regulation in Breast Cancer. PLoS ONE, 2013, 8, e61342.	1.1	100
36	Marine lipopeptide Iturin A inhibits Akt mediated GSK3Î² and FoxO3a signaling and triggers apoptosis in breast cancer. Scientific Reports, 2015, 5, 10316.	1.6	96

#	Article	IF	Citations
37	Oxidative stress triggered by naturally occurring flavone apigenin results in senescence and chemotherapeutic effect in human colorectal cancer cells. Redox Biology, 2015, 5, 153-162.	3.9	87
38	Butyric acid induces apoptosis by up-regulating Bax expression via stimulation of the c-Jun N-terminal kinase/activation protein-1 pathway in human colon cancer cells. Gastroenterology, 2001, 120, 71-78.	0.6	86
39	Photoresponsive Coumarin-Tethered Multifunctional Magnetic Nanoparticles for Release of Anticancer Drug. ACS Applied Materials & Interfaces, 2013, 5, 5232-5238.	4.0	86
40	ZD6474, a dual tyrosine kinase inhibitor of EGFR and VEGFR-2, inhibits MAPK/ERK and AKT/PI3-K and induces apoptosis in breast cancer cells. Cancer Biology and Therapy, 2010, 9, 592-603.	1.5	83
41	Integrin-linked kinase is a potential therapeutic target for anaplastic thyroid cancer. Molecular Cancer Therapeutics, 2005, 4, 1146-1156.	1.9	80
42	Antitumor promoting potential of selected phytochemicals derived from spices. European Journal of Cancer Prevention, 2012, 21, 205-215.	0.6	75
43	Paclitaxel-loaded solid lipid nanoparticles modified with Tyr-3-octreotide for enhanced anti-angiogenic and anti-glioma therapy. Acta Biomaterialia, 2016, 38, 69-81.	4.1	75
44	Silk fibroin nanoparticles support in vitro sustained antibiotic release and osteogenesis on titanium surface. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 1193-1204.	1.7	75
45	Involvement of non-protein thiols, mitochondrial dysfunction, reactive oxygen species and p53 in honey-induced apoptosis. Investigational New Drugs, 2010, 28, 624-633.	1.2	72
46	Lactate dehydrogenase A regulates autophagy and tamoxifen resistance in breast cancer. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 1004-1018.	1.9	72
47	BAG3 Overexpression and Cytoprotective Autophagy Mediate Apoptosis Resistance in Chemoresistant Breast Cancer Cells. Neoplasia, 2018, 20, 263-279.	2.3	71
48	In-Silico approach for identification of effective and stable inhibitors for COVID-19 main protease (M^{pro}) from flavonoid based phytochemical constituents of Calendula officinalis. Journal of Biomolecular Structure and Dynamics, 2021, 39, 6265-6280.	2.0	71
49	Gallic acid induced apoptotic events in HCT-15 colon cancer cells. World Journal of Gastroenterology, 2016, 22, 3952.	1.4	71
50	Marine Bacterium Derived Lipopeptides: Characterization and Cytotoxic Activity Against Cancer Cell Lines. International Journal of Peptide Research and Therapeutics, 2010, 16, 215-222.	0.9	70
51	Effect of Honey and Eugenol on Ehrlich Ascites and Solid Carcinoma. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-5.	3.0	69
52	Overcoming Akt Induced Therapeutic Resistance in Breast Cancer through siRNA and Thymoquinone Encapsulated Multilamellar Gold Niosomes. Molecular Pharmaceutics, 2015, 12, 4214-4225.	2.3	68
53	N-doped carbon dot as fluorescent probe for detection of cysteamine and multicolor cell imaging. Sensors and Actuators B: Chemical, 2019, 286, 77-85.	4.0	68
54	Dual drug loaded liposome bearing apigenin and 5-Fluorouracil for synergistic therapeutic efficacy in colorectal cancer. Colloids and Surfaces B: Biointerfaces, 2019, 180, 9-22.	2.5	68

#	Article	IF	Citations
55	Second generation liposomal cancer therapeutics: Transition from laboratory to clinic. International Journal of Pharmaceutics, 2013, 448, 28-43.	2.6	67
56	Screening of plant-based natural compounds as a potential COVID-19 main protease inhibitor: an in silico docking and molecular dynamics simulation approach. Journal of Biomolecular Structure and Dynamics, 2022, 40, 696-711.	2.0	67
57	Novel ZnO hollow-nanocarriers containing paclitaxel targeting folate-receptors in a malignant pH-microenvironment for effective monitoring and promoting breast tumor regression. Scientific Reports, 2015, 5, 11760.	1.6	66
58	Redox-Responsive Core-Cross-Linked Block Copolymer Micelles for Overcoming Multidrug Resistance in Cancer Cells. ACS Applied Materials & Interfaces, 2018, 10, 5318-5330.	4.0	66
59	Somatostatin receptor targeted liposomes with Diacerein inhibit IL-6 for breast cancer therapy. Cancer Letters, 2017, 388, 292-302.	3.2	65
60	Prospects of nonmulberry silk protein sericin-based nanofibrous matrices for wound healing â€“ In vitro and in vivo investigations. Acta Biomaterialia, 2018, 78, 137-150.	4.1	63
61	Targeted molecular therapy of anaplastic thyroid carcinoma with AEE788. Molecular Cancer Therapeutics, 2005, 4, 632-640.	1.9	62
62	Tailor-Made Temperature-Sensitive Micelle for Targeted and On-Demand Release of Anticancer Drugs. ACS Applied Materials & Interfaces, 2016, 8, 12063-12074.	4.0	62
63	Multi-nucleated cells use ROS to induce breast cancer chemo-resistance in vitro and in vivo. Oncogene, 2018, 37, 4546-4561.	2.6	61
64	A combined artificial neural network modelingâ€“particle swarm optimization strategy for improved production of marine bacterial lipopeptide from food waste. Biochemical Engineering Journal, 2014, 84, 59-65.	1.8	60
65	Diacerein-mediated inhibition of IL-6/IL-6R signaling induces apoptotic effects on breast cancer. Oncogene, 2016, 35, 3965-3975.	2.6	59
66	Suppression of epidermal growth factor receptor, mitogen-activated protein kinase, and Pak1 pathways and invasiveness of human cutaneous squamous cancer cells by the tyrosine kinase inhibitor ZD1839 (Iressa). Molecular Cancer Therapeutics, 2003, 2, 345-51.	1.9	59
67	Gold nanorod embedded reduction responsive block copolymer micelle-triggered drug delivery combined with photothermal ablation for targeted cancer therapy. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 3039-3052.	1.1	58
68	Celecoxib alleviates tamoxifen-instigated angiogenic effects by ROS-dependent VEGF/VEGFR2 autocrine signaling. BMC Cancer, 2013, 13, 273.	1.1	57
69	An Orthotopic Model of Anaplastic Thyroid Carcinoma in Athymic Nude Mice. Clinical Cancer Research, 2005, 11, 1713-1721.	3.2	56
70	Heregulin induces expression, ATPase activity, and nuclear localization of G3BP, a Ras signaling component, in human breast tumors. Cancer Research, 2002, 62, 1251-5.	0.4	56
71	MTA1 Interacts with MAT1, a Cyclin-dependent Kinase-activating Kinase Complex Ring Finger Factor, and Regulates Estrogen Receptor Transactivation Functions. Journal of Biological Chemistry, 2003, 278, 11676-11685.	1.6	55
72	Carbon Nanofiber Reinforced Nonmulberry Silk Protein Fibroin Nanobiocomposite for Tissue Engineering Applications. ACS Applied Materials & Interfaces, 2017, 9, 19356-19370.	4.0	53

#	Article	IF	Citations
73	The Akt inhibitor KP372-1 inhibits proliferation and induces apoptosis and anoikis in squamous cell carcinoma of the head and neck. Oral Oncology, 2006, 42, 430-439.	0.8	52
74	Hydroxyapatite reinforced inherent RGD containing silk fibroin composite scaffolds: Promising platform for bone tissue engineering. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 1745-1759.	1.7	52
75	Antivascular Therapy of Human Follicular Thyroid Cancer Experimental Bone Metastasis by Blockade of Epidermal Growth Factor Receptor and Vascular Growth Factor Receptor Phosphorylation. Cancer Research, 2005, 65, 4716-4727.	0.4	51
76	Identification of multifunctional peptides from human milk. Peptides, 2014, 56, 84-93.	1.2	51
77	Concurrent Cetuximab and Bevacizumab Therapy in a Murine Orthotopic Model of Anaplastic Thyroid Carcinoma. Laryngoscope, 2007, 117, 674-679.	1.1	50
78	Identification and characterization of a bactericidal and proapoptotic peptide from cycas revoluta seeds with DNA binding properties. Journal of Cellular Biochemistry, 2012, 113, 184-193.	1.2	50
79	Polymer grafted magnetic nanoparticles for delivery of anticancer drug at lower pH and elevated temperature. Journal of Colloid and Interface Science, 2016, 467, 70-80.	5.0	50
80	Electrospinning applications from diagnosis to treatment of diabetes. RSC Advances, 2016, 6, 83638-83655.	1.7	49
81	Successful delivery of docetaxel to rat brain using experimentally developed nanoliposome: a treatment strategy for brain tumor. Drug Delivery, 2017, 24, 346-357.	2.5	49
82	Thymoquinone Restores Radiationâ€induced TGFâ€Î² Expression and Abrogates EMT in Chemoradiotherapy of Breast Cancer Cells. Journal of Cellular Physiology, 2015, 230, 620-629.	2.0	48
83	Microbial amphiphiles: a class of promising new-generation anticancer agents. Drug Discovery Today, 2015, 20, 136-146.	3.2	47
84	Cancer associated fibroblast mediated chemoresistance: A paradigm shift in understanding the mechanism of tumor progression. Biochimica Et Biophysica Acta: Reviews on Cancer, 2020, 1874, 188416.	3.3	46
85	Lead bioactive compounds of Aloe vera as potential anticancer agent. Pharmacological Research, 2019, 148, 104416.	3.1	45
86	The emerging roles of exosomes in anti-cancer drug resistance and tumor progression: An insight towards tumor-microenvironment interaction. Biochimica Et Biophysica Acta: Reviews on Cancer, 2021, 1875, 188488.	3.3	45
87	Effective bacterial inactivation using low temperature radio frequency plasma. International Journal of Pharmaceutics, 2010, 396, 17-22.	2.6	44
88	Pro-survival autophagy: An emerging candidate of tumor progression through maintaining hallmarks of cancer. Seminars in Cancer Biology, 2020, 66, 59-74.	4.3	44
89	Probing the potential of apigenin liposomes in enhancing bacterial membrane perturbation and integrity loss. Journal of Colloid and Interface Science, 2015, 453, 48-59.	5.0	43
90	Bcl-2 deregulation leads to inhibition of sodium butyrate-induced apoptosis in human colorectal carcinoma cells. Carcinogenesis, 1997, 18, 229-232.	1.3	42

#	Article	IF	Citations
91	Redistribution of Activated Caspase-3 to the Nucleus during Butyric Acid-Induced Apoptosis. Biochemical and Biophysical Research Communications, 1999, 260, 775-780.	1.0	42
92	Dietary flavone chrysin (5,7-dihydroxyflavone ChR) functionalized highly-stable metal nanoformulations for improved anticancer applications. RSC Advances, 2015, 5, 89869-89878.	1.7	42
93	Sonochemically synthesized biocompatible zirconium phosphate nanoparticles for pH sensitive drug delivery application. Materials Science and Engineering C, 2016, 60, 84-91.	3.8	42
94	Glioma progression through the prism of heat shock protein mediated extracellular matrix remodeling and epithelial to mesenchymal transition. Experimental Cell Research, 2017, 359, 299-311.	1.2	42
95	Effect of liposomal celecoxib on proliferation of colon cancer cell and inhibition of DMBA-induced tumor in rat model. Cancer Nanotechnology, 2011, 2, 67-79.	1.9	41
96	Stimulation of indoleacetic acid production in a Rhizobium isolate of Vigna mungo by root nodule phenolic acids. Archives of Microbiology, 2009, 191, 389-393.	1.0	38
97	Senescence in polyploid giant cancer cells: A road that leads to chemoresistance. Cytokine and Growth Factor Reviews, 2020, 52, 68-75.	3.2	37
98	Studies on the phenolic profiling, anti-oxidant and cytotoxic activity of Indian honey:in vitroevaluation. Natural Product Research, 2010, 24, 1295-1306.	1.0	36
99	Metal Ion Ornamented Ultrafast Light-Sensitive Nanogel for Potential in Vivo Cancer Therapy. Chemistry of Materials, 2016, 28, 8598-8610.	3.2	35
100	Micellear Gold Nanoparticles as Delivery Vehicles for Dual Tyrosine Kinase Inhibitor ZD6474 for Metastatic Breast Cancer Treatment. Langmuir, 2017, 33, 7649-7659.	1.6	35
101	Bioimpedimetric analysis in conjunction with growth dynamics to differentiate aggressiveness of cancer cells. Scientific Reports, 2018, 8, 783.	1.6	35
102	The transformation of cancer-associated fibroblasts: Current perspectives on the role of TGF-Î² in CAF mediated tumor progression and therapeutic resistance. Cancer Letters, 2021, 520, 222-232.	3.2	35
103	Photocaging of Single and Dual (Similar or Different) Carboxylic and Amino Acids by Acetyl Carbazole and its Application as Dual Drug Delivery in Cancer Therapy. Journal of Organic Chemistry, 2016, 81, 11168-11175.	1.7	34
104	Enhanced chemotherapeutic efficacy of apigenin liposomes in colorectal cancer based on flavone-membrane interactions. Journal of Colloid and Interface Science, 2017, 491, 98-110.	5.0	34
105	Differential expression of IL-6/IL-6R and MAO-A regulates invasion/angiogenesis in breast cancer. British Journal of Cancer, 2018, 118, 1442-1452.	2.9	34
106	Dynamic chromatin remodeling on the HER2 promoter in human breast cancer cells. FEBS Letters, 2001, 507, 88-94.	1.3	33
107	Inflammation induced by human papillomavirus in cervical cancer and its implication in prevention. European Journal of Cancer Prevention, 2014, 23, 432-448.	0.6	33
108	Monitoring cellular activities of cancer cells using impedance sensing devices. Sensors and Actuators B: Chemical, 2014, 193, 478-483.	4.0	32

#	Article	IF	Citations
109	A peptide-modified solid lipid nanoparticle formulation of paclitaxel modulates immunity and outperforms dacarbazine in a murine melanoma model. Biomaterials Science, 2019, 7, 1161-1178.	2.6	32
110	Timeâ€dependent dosing of Fe²⁺ for improved lipopeptide production by marine Bacillus megaterium. Journal of Chemical Technology and Biotechnology, 2012, 87, 1661-1669.	1.6	31
111	GW627368X inhibits proliferation and induces apoptosis in cervical cancer by interfering with EP4/EGFR interactive signaling. Cell Death and Disease, 2016, 7, e2154-e2154.	2.7	31
112	Preferential hepatic uptake of paclitaxel-loaded poly-(d-l-lactide-co-glycolide) nanoparticles â€" A possibility for hepatic drug targeting: Pharmacokinetics and biodistribution. International Journal of Biological Macromolecules, 2018, 112, 818-830.	3.6	31
113	Therapeutic implication of â€˜Iturin Aâ€™ for targeting MD-2/TLR4 complex to overcome angiogenesis and invasion. Cellular Signalling, 2017, 35, 24-36.	1.7	30
114	Resensitization of Akt Induced Docetaxel Resistance in Breast Cancer by â€˜Iturin Aâ€™ a Lipopeptide Molecule from Marine Bacteria Bacillus megaterium. Scientific Reports, 2017, 7, 17324.	1.6	30
115	Copper(II)-sulfonamide Schiff base complexes: Structure, biological activity and theoretical interpretation. Polyhedron, 2018, 151, 344-354.	1.0	29
116	Targeting of EGFR, VEGFR2, and Akt by Engineered Dual Drug Encapsulated Mesoporous Silicaâ€“Gold Nanoclusters Sensitizes Tamoxifen-Resistant Breast Cancer. Molecular Pharmaceutics, 2018, 15, 2698-2713.	2.3	29
117	Delineation of crosstalk between HSP27 and MMP-2/MMP-9: A synergistic therapeutic avenue for glioblastoma management. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 1196-1209.	1.1	29
118	Curcumin Complexed with Graphene Derivative for Breast Cancer Therapy. ACS Applied Bio Materials, 2020, 3, 6284-6296.	2.3	29
119	Antisense oligonucleotides to the epidermal growth factor receptor. Breast Cancer Research and Treatment, 1999, 53, 41-50.	1.1	28
120	Molecular analysis of anoikis resistance in oral cavity squamous cell carcinoma. Oral Oncology, 2007, 43, 440-454.	0.8	28
121	ZD6474 enhances paclitaxel antiproliferative and apoptotic effects in breast carcinoma cells. Journal of Cellular Physiology, 2011, 226, 375-384.	2.0	28
122	Lumefantrine, an antimalarial drug, reverses radiation and temozolomide resistance in glioblastoma. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12324-12331.	3.3	28
123	Rapid determination of vitamin B2 and B12 in human urine by isocratic liquid chromatography. Analytica Chimica Acta, 2009, 640, 110-113.	2.6	27
124	Frequency dependent impedimetric cytotoxic evaluation of anticancer drug on breast cancer cell. Biosensors and Bioelectronics, 2014, 55, 44-50.	5.3	27
125	Nonmulberry silk protein sericin blend hydrogels for skin tissue regeneration - in vitro and in vivo. International Journal of Biological Macromolecules, 2019, 137, 545-553.	3.6	26
126	Effect of AEE788 and/or Celecoxib on colon cancer cell morphology using advanced microscopic techniques. Micron, 2010, 41, 247-256.	1.1	25

#	Article	IF	Citations
127	Self-assembled cardanol azo derivatives as antifungal agent with chitin-binding ability. International Journal of Biological Macromolecules, 2014, 69, 5-11.	3.6	25
128	A targeted, image-guided and dually locked photoresponsive drug delivery system. Journal of Materials Chemistry B, 2015, 3, 728-732.	2.9	25
129	Prevention of epithelial to mesenchymal transition in colorectal carcinoma by regulation of the E-cadherin-Î²-catenin-vinculin axis. Cancer Letters, 2019, 452, 254-263.	3.2	25
130	Stimulation of Forward Motility of Goat Cauda Epididymal Spermatozoa by a Serum Glycoprotein Factor1. Biology of Reproduction, 1989, 41, 983-989.	1.2	24
131	Glucose Directly Promotes Antifungal Resistance in the Fungal Pathogen, Candida spp.. Journal of Biological Chemistry, 2014, 289, 25469-25473.	1.6	24
132	Abrus agglutinin is a potent antiâ€proliferative and antiâ€angiogenic agent in human breast cancer. International Journal of Cancer, 2016, 139, 457-466.	2.3	24
133	REDOX Responsive Fluorescence Active Glycopolymer Based Nanogel: A Potential Material for Targeted Anticancer Drug Delivery. ACS Applied Bio Materials, 2019, 2, 2587-2599.	2.3	24
134	Targeting NFE2L2, a transcription factor upstream of MMP-2: A potential therapeutic strategy for temozolomide resistant glioblastoma. Biochemical Pharmacology, 2019, 164, 1-16.	2.0	24
135	Fe₃O₄@zirconium phosphate coreâ€“shell nanoparticles for pH-sensitive and magnetically guided drug delivery applications. RSC Advances, 2016, 6, 21285-21292.	1.7	23
136	Selective and sensitive detection of cinnamaldehyde by nitrogen and sulphur co-doped carbon dots: a detailed systematic study. RSC Advances, 2018, 8, 42361-42373.	1.7	23
137	Ag NPs incorporated self-healable thermoresponsive hydrogel using precise structural â€œInterlockingâ€• complex of polyelectrolyte BCPs: A potential new wound healing material. Chemical Engineering Journal, 2021, 405, 126436.	6.6	23
138	Paracrine TGF-Î²1 from breast cancer contributes to chemoresistance in cancer associated fibroblasts via upregulation of the p44/42 MAPK signaling pathway. Biochemical Pharmacology, 2021, 186, 114474.	2.0	23
139	Regulation of Elongation Factor-1Î± Expression by Growth Factors and Anti-receptor Blocking Antibodies. Journal of Biological Chemistry, 2001, 276, 5636-5642.	1.6	22
140	Sequential release of drugs from hollow manganese ferrite nanocarriers for breast cancer therapy. Journal of Materials Chemistry B, 2015, 3, 90-101.	2.9	22
141	Cascade photocaging of diazeniumdiolate: a novel strategy for one and two photon triggered uncaging with real time reporting. Chemical Communications, 2017, 53, 9470-9473.	2.2	22
142	Amino acid based amphiphilic copolymer micelles as carriers of non-steroidal anti-inflammatory drugs: Solubilization, in vitro release and biological evaluation. International Journal of Pharmaceutics, 2011, 407, 207-216.	2.6	21
143	Prospect of natural products in glioma: A novel avenue in glioma management. Phytotherapy Research, 2019, 33, 2571-2584.	2.8	21
144	Exploring the fluorescence switching phenomenon of curcumin encapsulated niosomes: in vitro real time monitoring of curcumin release to cancer cells. RSC Advances, 2013, 3, 2553.	1.7	20

#	Article	IF	Citations
145	Identification of RAB2A and PRDX1 as the potential biomarkers for oral squamous cell carcinoma using mass spectrometry-based comparative proteomic approach. Tumor Biology, 2015, 36, 9829-9837.	0.8	20
146	Pre-clinical risk assessment and therapeutic potential of antitumor lipopeptide â€˜Iturin Aâ€™ in an in vivo and in vitro model. RSC Advances, 2016, 6, 71612-71623.	1.7	20
147	Rheology and thermal properties of marketed Indian honey. Nutrition and Food Science, 2009, 39, 111-117.	0.4	18
148	Identification and characterization of a sperm motility promoting glycoprotein from buffalo blood serum. Journal of Cellular Physiology, 2006, 209, 353-362.	2.0	17
149	Electric cellâ€“substrate impedance sensing technique to monitor cellular behaviours of cancer cells. RSC Advances, 2014, 4, 9432.	1.7	17
150	BI2536 â€“ A PLK inhibitor augments paclitaxel efficacy in suppressing tamoxifen induced senescence and resistance in breast cancer cells. Biomedicine and Pharmacotherapy, 2015, 74, 124-132.	2.5	17
151	Honey and its Phytochemicals: Plausible Agents in Combating Colon Cancer through its Diversified Actions. Journal of Food Biochemistry, 2016, 40, 613-629.	1.2	17
152	A dual-analyte probe: hypoxia activated nitric oxide detection with phototriggered drug release ability. Chemical Communications, 2018, 54, 7940-7943.	2.2	17
153	Sericin-chitosan-glycosaminoglycans hydrogels incorporated with growth factors for in vitro and in vivo skin repair. Carbohydrate Polymers, 2021, 258, 117717.	5.1	17
154	Targeted therapy against EGFR and VEGFR using ZD6474 enhances the therapeutic potential of UV-B phototherapy in breast cancer cells. Molecular Cancer, 2013, 12, 122.	7.9	16
155	Cooperative effect of BI-69A11 and celecoxib enhances radiosensitization by modulating DNA damage repair in colon carcinoma. Tumor Biology, 2016, 37, 6389-6402.	0.8	16
156	In Vitro Drug and Gene Delivery Using Random Cationic Copolymers Forming Stable and pHâ€Sensitive Polymersomes. Macromolecular Bioscience, 2017, 17, 1600324.	2.1	16
157	TGF-Î²1 induced autophagy in cancer associated fibroblasts during hypoxia contributes EMT and glycolysis via MCT4 upregulation. Experimental Cell Research, 2022, 417, 113195.	1.2	16
158	Stepwise dual stimuli triggered dual drug release by a single naphthalene based two-photon chromophore to reverse MDR for alkylating agents with dual surveillance in uncaging steps. Chemical Communications, 2019, 55, 13140-13143.	2.2	15
159	Transcriptional regulation of HSPB1 by Friend leukemia integration-1 factor modulates radiation and temozolomide resistance in glioblastoma. Oncotarget, 2020, 11, 1097-1108.	0.8	15
160	pH-degradable and thermoresponsive water-soluble core cross-linked polymeric nanoparticles as potential drug delivery vehicle for doxorubicin. RSC Advances, 2015, 5, 83565-83575.	1.7	14
161	Blockade of autophagy enhances proapoptotic potential of BI-69A11, a novel Akt inhibitor, in colon carcinoma. European Journal of Pharmacology, 2015, 765, 217-227.	1.7	14
162	Threeâ€Arm, Biotinâ€Tagged Carbazoleâ€“Dicyanovinylâ€“Chlorambucil Conjugate: Simultaneous Tumor Targeting, Sensing, and Photoresponsive Anticancer Drug Delivery. Chemistry - an Asian Journal, 2016, 11, 3482-3486.	1.7	14

#	Article	IF	Citations
163	Learning of speckle statistics for in vivo and noninvasive characterization of cutaneous wound regions using laser speckle contrast imaging. Microvascular Research, 2016, 107, 6-16.	1.1	14
164	Growth Factor Receptors and Apoptosis Regulators: Signaling Pathways, Prognosis, Chemosensitivity and Treatment Outcomes of Breast Cancer. Breast Cancer: Basic and Clinical Research, 2009, 3, BCBCR.S2492.	0.6	13
165	AEE788 potentiates celecoxib-induced growth inhibition and apoptosis in human colon cancer cells. Life Sciences, 2012, 91, 789-799.	2.0	13
166	Molecular inhibition of prostaglandin E2 with GW627368X: Therapeutic potential and preclinical safety assessment in mouse sarcoma model. Cancer Biology and Therapy, 2015, 16, 922-932.	1.5	13
167	A self-assembled clavanin A-coated amniotic membrane scaffold for the prevention of biofilm formation by ocular surface fungal pathogens. Biofouling, 2017, 33, 881-891.	0.8	13
168	Copper Catalyzed Regioselective N â€“ Alkynylation of Pyrazoles and Evaluation of the Anticancer Activity of Ethynylâ€•Pyrazoles. ChemistrySelect, 2018, 3, 3511-3515.	0.7	13
169	Osteochondral Defects Healing Using Extracellular Matrix Mimetic Phosphate/Sulfate Decorated GAGs-Agarose Gel and Quantitative Micro-CT Evaluation. ACS Biomaterials Science and Engineering, 2019, 5, 149-164.	2.6	13
170	ETV6 gene aberrations in non-haematological malignancies: A review highlighting ETV6 associated fusion genes in solid tumors. Biochimica Et Biophysica Acta: Reviews on Cancer, 2020, 1874, 188389.	3.3	13
171	Screening of the Prime bioactive compounds from Aloe vera as potential anti-proliferative agents targeting DNA. Computers in Biology and Medicine, 2022, 141, 105052.	3.9	13
172	Growth inhibition of orthotopic anaplastic thyroid carcinoma xenografts in nude mice by PTK787/ZK222584 and CPT-11. Head and Neck, 2006, 28, 389-399.	0.9	12
173	in vivo laser speckle imaging by adaptive contrast computation for microvasculature assessment. Optics and Lasers in Engineering, 2014, 62, 87-94.	2.0	12
174	Pushâ€“Pull Stilbene: Visible Light Activated Photoremovable Protecting Group for Alcohols and Carboxylic Acids with Fluorescence Reporting Employed for Drug Delivery. Organic Letters, 2019, 21, 2968-2972.	2.4	12
175	Active autophagy in cancerâ€associated fibroblasts: Recent advances in understanding the novel mechanism of tumor progression and therapeutic response. Journal of Cellular Physiology, 2021, 236, 7887-7902.	2.0	12
176	Assessing Cytotoxic Effect of ZD6474 on MDA-MB-468 Cells Using Cell-Based Sensor. IEEE Sensors Journal, 2014, 14, 1476-1481.	2.4	11
177	Wavelet-based multiscale analysis of bioimpedance data measured by electric cell-substrate impedance sensing for classification of cancerous and normal cells. Physical Review E, 2015, 92, 062702.	0.8	11
178	Photoresponsive Block Copolymer Prodrug Nanoparticles as Delivery Vehicle for Single and Dual Anticancer Drugs. ACS Omega, 2017, 2, 6677-6690.	1.6	11
179	Synthesis, self-assembly and drug release study of a new dual-responsive biocompatible block copolymer containing phenylalanine derivative. Journal of Macromolecular Science - Pure and Applied Chemistry, 2021, 58, 792-803.	1.2	11
180	Induction of apoptosis of azurin synthesized from P.Âaeruginosa MTCC 2453 against Dalton's lymphoma ascites model. Biomedicine and Pharmacotherapy, 2011, 65, 461-466.	2.5	10

#	Article	IF	Citations
181	A copper-free click reaction for the synthesis of redox-responsive water-soluble core cross-linked nanoparticles for drug delivery in cancer therapy. Green Chemistry, 2019, 21, 5624-5638.	4.6	10
182	Iron Oxide Nanoparticle Assisted Purification and Mass Spectrometry Based Proteolytic Mapping of Intact CD4+T Cells from Human Blood. Preparative Biochemistry and Biotechnology, 2008, 39, 20-31.	1.0	9
183	Azurin Synthesis from Pseudomonas Aeruginosa MTCC 2453, Properties, Induction of Reactive Oxygen Species, and p53 Stimulated Apoptosis in Breast Carcinoma Cells. Journal of Cancer Science & Therapy, 2011, 03, .	1.7	9
184	NDF induces expression of a novel 46 kD protein in estrogen receptor positive breast cancer cells. , 1996, 62, 102-112.		8
185	Growth Factor Regulation of the Molecular Chaperone Calnexin. Biochemical and Biophysical Research Communications, 2001, 289, 725-732.	1.0	8
186	Comparative Analyses of Different Surfactants on Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Peptide Analysis. European Journal of Mass Spectrometry, 2010, 16, 567-575.	0.5	8
187	Natural products based nanoformulations for cancer treatment: current evolution in Indian research. Biomedical Materials (Bristol), 2021, 16, 044101.	1.7	8
188	Understanding the function and regulation of Sox2 for its therapeutic potential in breast cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2022, 1877, 188692.	3.3	8
189	Proteomics view of aRhizobiumisolate response to arsenite [As(III)] stress. Acta Microbiologica Et Immunologica Hungarica, 2009, 56, 157-167.	0.4	7
190	Gold Nanoparticle Embedded Stimuliâ€Responsive Functional Glycopolymer: A Potential Material for Synergistic Chemoâ€Photodynamic Therapy of Cancer Cells. Macromolecular Bioscience, 2022, 22, .	2.1	7
191	Purification of Azurin from Pseudomonas Aeuroginosa. , 0, , .		6
192	Organic Nanoparticle-Based Fluorescent Chemosensor for Selective Switching ON and OFF of Photodynamic Therapy (PDT). ChemistrySelect, 2016, 1, 6523-6531.	0.7	6
193	NIR fluorescent organic nanoparticles for photoinduced nitric oxide delivery with self monitoring and real time reporting abilities. Journal of Materials Chemistry B, 2018, 6, 6042-6046.	2.9	6
194	An insight into the ubiquitin-proteasomal axis and related therapeutic approaches towards central nervous system malignancies. Biochimica Et Biophysica Acta: Reviews on Cancer, 2022, 1877, 188734.	3.3	5
195	Green surfactant of marine origin exerting a cytotoxic effect on cancer cell lines. RSC Advances, 2015, 5, 53086-53094.	1.7	4
196	Spontaneous vesicle formation by Î³-aminobutyric acid derived steroidal surfactant: Curcumin loading, cytotoxicity and cellular uptake studies. Journal of Colloid and Interface Science, 2017, 507, 1-10.	5.0	4
197	Heregulin up-regulates heat shock protein-70 expression in breast cancer cells. Anticancer Research, 2002, 22, 1965-9.	0.5	4
198	Therapeutic targeting of RBPJ, an upstream regulator of ETV6 gene, abrogates ETV6-NTRK3 fusion gene transformations in glioblastoma. Cancer Letters, 2022, 544, 215811.	3.2	4

#	Article	IF	Citations
199	Sperm Motility Regulatory Proteins: A Tool to Enhance Sperm Quality. , 2016, , .		3
200	[(paraâ€Cymene)Ru(dppp)Cl][PF₆]â€Catalysed Stereospecific Synthesis of Oâ€Dienyl Esters, and Evaluation of the Anticancer Activity of a Longâ€Chain Fatty Acid Oâ€Dienyl Ester. European Journal of Organic Chemistry, 2017, 2017, 1514-1519.	1.2	3
201	Hemocompatibility of Sulfuric Acid-Treated Metallocene Polyethylene and its Application in Reducing the Quantity of Medical Plastic Waste. Polymer-Plastics Technology and Engineering, 2017, 56, 240-253.	1.9	3
202	A computational study to assess the polymorphic landscape of matrix metalloproteinase 3 promoter and its effects on transcriptional activity. Computers in Biology and Medicine, 2022, 145, 105404.	3.9	3
203	Regulation of Extracellular Matrix Remodeling and Epithelial-Mesenchymal Transition by Matrix Metalloproteinases: Decisive Candidates in Tumor Progression. , 2017, , 159-194.		2
204	Therapeutic targeting of membrane-associated proteins in central nervous system tumors. Experimental Cell Research, 2021, 406, 112760.	1.2	2
205	Editor's Note: Epidermal Growth Factor Receptor (EGFR) Is Overexpressed in Anaplastic Thyroid Cancer, and the EGFR Inhibitor Gefitinib Inhibits the Growth of Anaplastic Thyroid Cancer. Clinical Cancer Research, 2019, 25, 4862-4862.	3.2	2
206	Heregulin promotes expression and subcellular redistribution of ADP-ribosylation factor 3. FEBS Letters, 2002, 524, 49-53.	1.3	1
207	Screening of Pseudomonas aeruginosa strain for enhanced synthesis of azurin induced by copper sulphate and potassiun nitrate and its characterization. , 2010, , .		0
208	Screening of Pseudomonas aeruginosa strain for enhanced synthesis of azurin induced by copper sulphate and potassiun nitrate and its characterization. , 2010, , .		0
209	Probabilistic graphical modeling of speckle statistics in laser speckle contrast imaging for noninvasive and label-free retinal angiography. , 2015, 2015, 6244-7.		0
210	Wavelength Dependent, Sequentially Activated, Dual Anticancer Drug Delivery System with Photoinduced Fluorescence off-on for Real Time Imaging. ChemistrySelect, 2017, 2, 4033-4038.	0.7	0
211	Fluidic embedding of additional macroporosity in alginate-gelatin composite structure for biomimetic application. Journal of Biomaterials Science, Polymer Edition, 2020, 31, 2396-2417.	1.9	0
212	Therapeutic Aspects of Heat Shock Proteins in Glioma: Cementing the Crevasses Between Bench and Bedside. Heat Shock Proteins, 2019, , 231-257.	0.2	0
213	The Interplay of Autophagy and the Immune System in the Tumor Microenvironment. , 2020, , 183-202.		0
214	The Intricacy of ROS in Cancer Therapy Resistance. , 2022, , 1217-1238.		0