Chandi C Mandal

List of Publications by Year
in descending order

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62	2,060	236612	243296
papers	citations	25 h-index	44 g-index

64	64	64	3025
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	MicroRNA-21 Orchestrates High Glucose-induced Signals to TOR Complex 1, Resulting in Renal Cell Pathology in Diabetes. Journal of Biological Chemistry, 2011, 286, 25586-25603.	1.6	198
2	Simvastatin induces derepression of PTEN expression via NFÎºB to inhibit breast cancer cell growth. Cellular Signalling, 2010, 22, 749-758.	1.7	146
3	Statin-induced Ras Activation Integrates the Phosphatidylinositol 3-Kinase Signal to Akt and MAPK for Bone Morphogenetic Protein-2 Expression in Osteoblast Differentiation. Journal of Biological Chemistry, 2007, 282, 4983-4993.	1.6	128
4	Reactive oxygen species derived from Nox4 mediateBMP2gene transcription and osteoblast differentiation. Biochemical Journal, 2011, 433, 393-402.	1.7	128
5	Simvastatin Prevents Skeletal Metastasis of Breast Cancer by an Antagonistic Interplay between p53 and CD44. Journal of Biological Chemistry, 2011, 286, 11314-11327.	1.6	103
6	miR-21 is targeted by omega-3 polyunsaturated fatty acid to regulate breast tumor CSF-1 expression. Carcinogenesis, 2012, 33, 1897-1908.	1.3	94
7	Fish oil targets PTEN to regulate NFÎºB for downregulation of anti-apoptotic genes in breast tumor growth. Breast Cancer Research and Treatment, 2009, 118, 213-228.	1.1	92
8	Fish oil prevents breast cancer cell metastasis to bone. Biochemical and Biophysical Research Communications, 2010, 402, 602-607.	1.0	91
9	High Cholesterol Deteriorates Bone Health: New Insights into Molecular Mechanisms. Frontiers in Endocrinology, 2015, 6, 165.	1.5	80
10	microRNA-21 Governs TORC1 Activation in Renal Cancer Cell Proliferation and Invasion. PLoS ONE, 2012, 7, e37366.	1.1	70
11	miR-214: a potential biomarker and therapeutic for different cancers. Future Oncology, 2015, 11, 349-363.	1.1	61
12	Phosphatidylinositol 3 Kinase/Akt Signal Relay Cooperates with Smad in Bone Morphogenetic Protein-2-Induced Colony Stimulating Factor-1 (CSF-1) Expression and Osteoclast Differentiation. Endocrinology, 2009, 150, 4989-4998.	1.4	56
13	Can the summer temperatures reduce COVID-19 cases?. Public Health, 2020, 185, 72-79.	1.4	45
14	Bone Morphogenetic Protein-2 (BMP-2) Activates NFATc1 Transcription Factor via an Autoregulatory Loop Involving Smad/Akt/Ca2+ Signaling. Journal of Biological Chemistry, 2016, 291, 1148-1161.	1.6	44
15	A Comprehensive Review on miR-200c, A Promising Cancer Biomarker with Therapeutic Potential. Current Drug Targets, 2015, 16, 1381-1403.	1.0	44
16	Metformin exhibited anticancer activity by lowering cellular cholesterol content in breast cancer cells. PLoS ONE, 2019, 14, e0209435.	1.1	39
17	A Molecular View of Pathological Microcalcification in Breast Cancer. Journal of Mammary Gland Biology and Neoplasia, 2016, 21, 25-40.	1.0	38
18	Unrestrained Mammalian Target of Rapamycin Complexes 1 and 2 Increase Expression of Phosphatase and Tensin Homolog Deleted on Chromosome 10 to Regulate Phosphorylation of Akt Kinase. Journal of Biological Chemistry, 2012, 287, 3808-3822.	1.6	37

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19	Integration of Phosphatidylinositol 3-Kinase, Akt Kinase, and Smad Signaling Pathway in BMP-2-Induced Osterix Expression. Calcified Tissue International, 2010, 87, 533-540.	1.5	34
20	Targeting Intracellular Cholesterol is a Novel Therapeutic Strategy for Cancer Treatment. Journal of Cancer Science & Therapy, 2014, 6, 510-513.	1.7	33
21	A link between cold environment and cancer. Tumor Biology, 2015, 36, 5953-5964.	0.8	32
22	Colocynth Extracts Prevent Epithelial to Mesenchymal Transition and Stemness of Breast Cancer Cells. Frontiers in Pharmacology, 2017, 8, 593.	1.6	32
23	c-Abl-dependent Molecular Circuitry Involving Smad5 and Phosphatidylinositol 3-Kinase Regulates Bone Morphogenetic Protein-2-induced Osteogenesis. Journal of Biological Chemistry, 2013, 288, 24503-24517.	1.6	29
24	Prediction-based protein engineering of domain I of Cry2A entomocidal toxin of Bacillus thuringiensis for the enhancement of toxicity against lepidopteran insects. Protein Engineering, Design and Selection, 2007, 20, 599-606.	1.0	28
25	Homo- and heteroleptic trimethoxy terpyridineâ€“Cu(<scp>ii</scp>) complexes: synthesis, characterization, DNA/BSA binding, DNA cleavage and cytotoxicity studies. Dalton Transactions, 2020, 49, 4100-4113.	1.6	28
26	TSC2 Deficiency Increases PTEN via HIF1Î±. Journal of Biological Chemistry, 2009, 284, 27790-27798.	1.6	26
27	Colder environments are associated with a greater cancer incidence in the female population of the United States. Tumor Biology, 2017, 39, 101042831772478.	0.8	26
28	Simvastatin and MBCD Inhibit Breast Cancer-Induced Osteoclast Activity by Targeting Osteoclastogenic Factors. Cancer Investigation, 2017, 35, 403-413.	0.6	25
29	Omegaâ€3 fatty acids in pathological calcification and bone health. Journal of Food Biochemistry, 2020, 44, e13333.	1.2	23
30	Interplay between Dysbiosis of Gut Microbiome, Lipid Metabolism, and Tumorigenesis: Can Gut Dysbiosis Stand as a Prognostic Marker in Cancer?. Disease Markers, 2022, 2022, 1-15.	0.6	23
31	A Molecular Analysis Provides Novel Insights into Androgen Receptor Signalling in Breast Cancer. PLoS ONE, 2015, 10, e0120622.	1.1	19
32	A Piscibacillus sp. Isolated from A Soda Lake Exhibits Anticancer Activity Against Breast Cancer MDA-MB-231 Cells. Microorganisms, 2019, 7, 34.	1.6	19
33	Is cholesterol a mediator of cold-induced cancer?. Tumor Biology, 2016, 37, 9635-9648.	0.8	18
34	Docosahexaenoic Acid (DHA) Inhibits Bone Morphogenetic Protein-2 (BMP-2) Elevated Osteoblast Potential of Metastatic Breast Cancer (MDA-MB-231) Cells in Mammary Microcalcification. Nutrition and Cancer, 2020, 72, 873-883.	0.9	16
35	Cold-hearted: A case for cold stress in cancer risk. Journal of Thermal Biology, 2020, 91, 102608.	1.1	16
36	A deletion mutant ndv200 of the Bacillus thuringiensis vip3BR insecticidal toxin gene is a prospective candidate for the next generation of genetically modified crop plants resistant to lepidopteran insect damage. Planta, 2015, 242, 269-281.	1.6	15

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37	Nâ€arachidonoyl dopamine inhibits epithelialâ€“mesenchymal transition of breast cancer cells through ERK signaling and decreasing the cellular cholesterol. Journal of Biochemical and Molecular Toxicology, 2021, 35, e22693.	1.4	15
38	Osteolytic metastasis in breast cancer: effective prevention strategies. Expert Review of Anticancer Therapy, 2020, 20, 797-811.	1.1	14
39	Presence of a consensus DNA motif at nearby DNA sequence of the mutation susceptible CG nucleotides. Gene, 2018, 639, 85-95.	1.0	12
40	Molecular insights into the interplay between adiposity, breast cancer and bone metastasis. Clinical and Experimental Metastasis, 2021, 38, 119-138.	1.7	9
41	Development, evaluation and effect of anionic co-ligand on the biological activity of benzothiazole derived copper(II) complexes. Journal of Inorganic Biochemistry, 2020, 210, 111174.	1.5	8
42	Interplay between DNA Methyltransferase 1 and microRNAs During Tumorigenesis. Current Drug Targets, 2021, 22, 1129-1148.	1.0	8
43	Molecular insights into phytochemicalsâ€driven break function in tumor microenvironment. Journal of Food Biochemistry, 2021, 45, e13824.	1.2	8
44	Cholesterol-Lowering Drugs on Akt Signaling for Prevention of Tumorigenesis. Frontiers in Genetics, 2021, 12, 724149.	1.1	8
45	Dual Role of microRNAs in Autophagy of Colorectal Cancer. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2021, 21, 56-66.	0.6	7
46	Duality of bone morphogenetic proteins in cancer: A comprehensive analysis. Journal of Cellular Physiology, 2022, 237, 3127-3163.	2.0	7
47	Editorial: Cancer and Bone Metastasis. Frontiers in Endocrinology, 2019, 10, 852.	1.5	4
48	Combinatorial influence of environmental temperature, obesity and cholesterol on SARS-CoV-2 infectivity. Scientific Reports, 2022, 12, 4796.	1.6	4
49	Variant cry1Ab entomocidal Bacillus thuringiensis toxin gene facilitates the recovery of an increased number of lepidopteran insect resistant independent rice transformants against yellow stem borer (Scirpophaga incertulus) inflicted damage. Journal of Plant Biochemistry and Biotechnology, 2014, 23, 81-92.	0.9	3
50	Can the aging influence cold environment mediated cancer risk in the USA female population?. Journal of Thermal Biology, 2020, 92, 102676.	1.1	3
51	Omega-3 fatty acid treatment combined with chemotherapy to prevent toxicity, drug resistance, and metastasis in cancer. Current Drug Targets, 2021, 22, .	1.0	3
52	Effect of environmental factors on SARS-CoV-2 infectivity in northern hemisphere countries: a 2-year data analysis. Public Health, 2022, 208, 105-110.	1.4	3
53	Anti-Obesity Medications in Cancer Therapy: A Comprehensive Insight. Current Cancer Drug Targets, 2021, 21, 476-494.	0.8	2
54	Biphasic Effects of Phytochemicals and their Relevance to Cancer Therapeutics. , 2020, , 197-219.		2

#	Article	IF	Citations
55	Technological Advancement in Cancer Stem Cell Research. , 2020, , 241-256.		2
56	Modulation of Cancer Cell Metabolism and Microenvironment by Phytochemicals. , 2020, , 143-165.		1
57	Natural Extracts Target NF-Î²B and Reactive Oxygen Species. , 2021, , 1-28.		1
58	Epidemiological investigation of a jaundice outbreak in Kishangarh, Rajasthan, India, 2014. Zeitschrift Fur Gesundheitswissenschaften, 2016, 24, 83-89.	0.8	0
59	The Influence of the Cholesterol Level in Cells on Endovanilloid Cytotoxicity. Doklady Biochemistry and Biophysics, 2020, 493, 167-170.	0.3	0
60	Meet the Associate Editorial Board Member. Current Drug Targets, 2021, 22, 1089-1089.	1.0	0
61	A Differential Role of miRNAs in Regulation of Breast Cancer Stem Cells. , 2020, , 87-109.		0
62	Animal Models Systems of Cancer for Preclinical Trials. , 2020, , 299-324.		0