Gopal C Kundu

List of Publications by Year
in descending order

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105	6,719	53660	62479
papers	citations	45 h-index	80 g-index

109	109	109	9327
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Osteopontin: role in cell signaling and cancer progression. Trends in Cell Biology, 2006, 16, 79-87.	3.6	653
2	Hydrogen Peroxide Activates NF-ÎºB through Tyrosine Phosphorylation of IÎºBÎ± and Serine Phosphorylation of p65. Journal of Biological Chemistry, 2003, 278, 24233-24241.	1.6	424
3	Osteopontin Promotes Vascular Endothelial Growth Factorâ€"Dependent Breast Tumor Growth and Angiogenesis via Autocrine and Paracrine Mechanisms. Cancer Research, 2008, 68, 152-161.	0.4	248
4	Osteopontin Stimulates Tumor Growth and Activation of Promatrix Metalloproteinase-2 through Nuclear Factor-ÎºB-mediated Induction of Membrane Type 1 Matrix Metalloproteinase in Murine Melanoma Cells. Journal of Biological Chemistry, 2001, 276, 44926-44935.	1.6	225
5	Receptor tyrosine kinases (RTKs) in breast cancer: signaling, therapeutic implications and challenges. Molecular Cancer, 2018, 17, 34.	7.9	221
6	Osteopontin Induces Nuclear Factor ÎºB-mediated Promatrix Metalloproteinase-2 Activation through IÎºBÎ±/IKK Signaling Pathways, and Curcumin (Diferulolylmethane) Down-regulates These Pathways. Journal of Biological Chemistry, 2003, 278, 14487-14497.	1.6	220
7	Biological synthesis of silver nanoparticles using the fungus Humicola sp. and evaluation of their cytoxicity using normal and cancer cell lines. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 114, 144-147.	2.0	174
8	Nuclear Factor-inducing Kinase Plays a Crucial Role in Osteopontin-induced MAPK/IÎºBÎ± Kinase-dependent Nuclear Factor ÎºB-mediated Promatrix Metalloproteinase-9 Activation. Journal of Biological Chemistry, 2004, 279, 38921-38935.	1.6	160
9	Prostaglandin E2 Regulates Tumor Angiogenesis in Prostate Cancer. Cancer Research, 2008, 68, 7750-7759.	0.4	149
10	Osteopontin Stimulates Cell Motility and Nuclear Factor ÎºB-mediated Secretion of Urokinase Type Plasminogen Activator through Phosphatidylinositol 3-Kinase/Akt Signaling Pathways in Breast Cancer Cells. Journal of Biological Chemistry, 2003, 278, 28593-28606.	1.6	144
11	MiRNA199a-3p suppresses tumor growth, migration, invasion and angiogenesis in hepatocellular carcinoma by targeting VEGFA, VEGFR1, VEGFR2, HGF and MMP2. Cell Death and Disease, 2017, 8, e2706-e2706.	2.7	131
12	Green synthesis of selenium nanoparticles using Acinetobacter sp. SW30: optimization, characterization and its anticancer activity in breast cancer cells. International Journal of Nanomedicine, 2017, Volume 12, 6841-6855.	3.3	128
13	Rapid efficient synthesis and characterization of silver, gold, and bimetallic nanoparticles from the medicinal plant Plumbago zeylanica and their application in biofilm control. International Journal of Nanomedicine, 2014, 9, 2635.	3.3	127
14	The Multifaceted Roles of Osteopontin in Cell Signaling, Tumor Progression and Angiogenesis. Current Molecular Medicine, 2006, 6, 819-830.	0.6	126
15	Severe Fibronectin-Deposit Renal Glomerular Disease in Mice Lacking Uteroglobin. Science, 1997, 276, 1408-1412.	6.0	120
16	Activation of JAK2/STAT3 signaling by osteopontin promotes tumor growth in human breast cancer cells. Carcinogenesis, 2010, 31, 192-200.	1.3	119
17	Osteopontin signaling upregulates cyclooxygenase-2 expression in tumor-associated macrophages leading to enhanced angiogenesis and melanoma growth via Î±9Î²1 integrin. Oncogene, 2014, 33, 2295-2306.	2.6	119
18	Osteopontin as a therapeutic target for cancer. Expert Opinion on Therapeutic Targets, 2014, 18, 883-895.	1.5	116

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19	Breast cancer stem cells: Biology and therapeutic implications. International Journal of Biochemistry and Cell Biology, 2019, 107, 38-52.	1.2	115
20	Hypoxia-driven osteopontin contributes to breast tumor growth through modulation of HIF1Î±-mediated VEGF-dependent angiogenesis. Oncogene, 2014, 33, 2053-2064.	2.6	110
21	Osteopontin Induces AP-1-mediated Secretion of Urokinase-type Plasminogen Activator through c-Src-dependent Epidermal Growth Factor Receptor Transactivation in Breast Cancer Cells. Journal of Biological Chemistry, 2004, 279, 11051-11064.	1.6	93
22	Evidence That Porcine Pancreatic Phospholipase A2 via Its High Affinity Receptor Stimulates Extracellular Matrix Invasion by Normal and Cancer Cells. Journal of Biological Chemistry, 1997, 272, 2346-2353.	1.6	92
23	Uteroglobin is essential in preventing immunoglobulin A nephropathy in mice. Nature Medicine, 1999, 5, 1018-1025.	15.2	86
24	Ascochlorin Enhances the Sensitivity of Doxorubicin Leading to the Reversal of Epithelial-to-Mesenchymal Transition in Hepatocellular Carcinoma. Molecular Cancer Therapeutics, 2016, 15, 2966-2976.	1.9	86
25	The Crucial Role of Cyclooxygenase-2 in Osteopontin-Induced Protein Kinase C Î±/c-Src/IÎºB Kinase Î±/Î²â€“Dependent Prostate Tumor Progression and Angiogenesis. Cancer Research, 2006, 66, 6638-6648.	0.4	80
26	Diosgenin Functionalized Iron Oxide Nanoparticles as Novel Nanomaterial Against Breast Cancer. Journal of Nanoscience and Nanotechnology, 2015, 15, 9464-9472.	0.9	78
27	Osteopontin: It's Role in Regulation of Cell Motility and Nuclear Factor ÎºB-mediated Urokinase Type Plasminogen Activator Expression. IUBMB Life, 2005, 57, 441-447.	1.5	75
28	Semaphorin 3A Suppresses Tumor Growth and Metastasis in Mice Melanoma Model. PLoS ONE, 2012, 7, e33633.	1.1	73
29	Functional design of pH-responsive folate-targeted polymer-coated gold nanoparticles for drug delivery and in vivo therapy in breast cancer . International Journal of Nanomedicine, 2019, Volume 14, 8285-8302.	3.3	72
30	p38 Kinase Is Crucial for Osteopontin-Induced Furin Expression That Supports Cervical Cancer Progression. Cancer Research, 2010, 70, 10381-10391.	0.4	71
31	Osteopontin selectively regulates p70S6K/mTOR phosphorylation leading to NF-ÎºB dependent AP-1-mediated ICAM-1 expression in breast cancer cells. Molecular Cancer, 2010, 9, 101.	7.9	70
32	Non-coding RNAs as potential therapeutic targets in breast cancer. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2020, 1863, 194378.	0.9	68
33	RGD functionalized chitosan nanoparticle mediated targeted delivery of raloxifene selectively suppresses angiogenesis and tumor growth in breast cancer. Nanoscale, 2020, 12, 10664-10684.	2.8	68
34	Syk, a Protein-tyrosine Kinase, Suppresses the Cell Motility and Nuclear Factor ÎºB-mediated Secretion of Urokinase Type Plasminogen Activator by Inhibiting the Phosphatidylinositol 3â€²-Kinase Activity in Breast Cancer Cells. Journal of Biological Chemistry, 2003, 278, 6209-6221.	1.6	66
35	Osteopontin: a potentially important therapeutic target in cancer. Expert Opinion on Therapeutic Targets, 2011, 15, 1113-1126.	1.5	65
36	Notch1-MAPK Signaling Axis Regulates CD133+ Cancer Stem Cell-Mediated Melanoma Growth and Angiogenesis. Journal of Investigative Dermatology, 2016, 136, 2462-2474.	0.3	61

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37	Hypoxia Regulates Cross-talk between Syk and Lck Leading to Breast Cancer Progression and Angiogenesis. Journal of Biological Chemistry, 2006, 281, 11322-11331.	1.6	57
38	Tumor-associated macrophage derived IL-6 enriches cancer stem cell population and promotes breast tumor progression via Stat-3 pathway. Cancer Cell International, 2022, 22, 122.	1.8	55
39	Therapeutic implications of cellular and molecular biology of cancer stem cells in melanoma. Molecular Cancer, 2017, 16, 7.	7.9	54
40	Semaphorin 3A upregulates FOXO 3a-dependent MelCAM expression leading to attenuation of breast tumor growth and angiogenesis. Oncogene, 2015, 34, 1584-1595.	2.6	52
41	Non-migratory tumorigenic intrinsic cancer stem cells ensure breast cancer metastasis by generation of CXCR4+ migrating cancer stem cells. Oncogene, 2016, 35, 4937-4948.	2.6	52
42	Hyaluronan-binding protein 1 (HABP1/p32/gC1qR) induces melanoma cell migration and tumor growth by NF-kappa B dependent MMP-2 activation through integrin Î±vÎ²3 interaction. Cellular Signalling, 2011, 23, 1563-1577.	1.7	50
43	In Vivo Wound Healing Performance of Halloysite Clay and Gentamicin-Incorporated Cellulose Ether-PVA Electrospun Nanofiber Mats. ACS Applied Bio Materials, 2019, 2, 4324-4334.	2.3	48
44	Transcriptional regulation of human osteopontin promoter by histone deacetylase inhibitor, trichostatin A in cervical cancer cells. Molecular Cancer, 2010, 9, 178.	7.9	47
45	The Biology and Therapeutic Implications of Tumor Dormancy and Reactivation. Frontiers in Oncology, 2018, 8, 72.	1.3	47
46	Tyrosine Kinase p56 Regulates Cell Motility and Nuclear Factor ÎºB-mediated Secretion of Urokinase Type Plasminogen Activator through Tyrosine Phosphorylation of IÎºBÎ± following Hypoxia/Reoxygenation. Journal of Biological Chemistry, 2003, 278, 52598-52612.	1.6	46
47	Curcumin suppresses breast tumor angiogenesis by abrogating osteopontin-induced VEGF expression. Molecular Medicine Reports, 2008, 1, 641-6.	1.1	46
48	Epoxyazadiradione suppresses breast tumor growth through mitochondrial depolarization and caspase-dependent apoptosis by targeting PI3K/Akt pathway. BMC Cancer, 2018, 18, 52.	1.1	46
49	Liposomal nanotheranostics for multimode targeted in vivo bioimaging and nearâ€infrared light mediated cancer therapy. Communications Biology, 2020, 3, 284.	2.0	46
50	Osteopontin stimulates melanoma growth and lung metastasis through NIK/MEKK1-dependent MMP-9 activation pathways. Oncology Reports, 2007, 18, 909-15.	1.2	46
51	Osteopontin: an emerging therapeutic target for anticancer therapy. Expert Opinion on Therapeutic Targets, 2007, 11, 81-90.	1.5	43
52	JNK1 Differentially Regulates Osteopontin-induced Nuclear Factorinducing Kinase/MEKK1-dependent Activating Protein-1-mediated Promatrix Metalloproteinase-9 Activation. Journal of Biological Chemistry, 2005, 280, 19381-19392.	1.6	42
53	Downâ€regulation of osteopontin attenuates breast tumour progression in vivo. Journal of Cellular and Molecular Medicine, 2008, 12, 2305-2318.	1.6	42
54	Altered Sialylation of Osteopontin Prevents Its Receptor-Mediated Binding on the Surface of Oncogenically Transformed tsB77 Cellsâ€. Biochemistry, 1997, 36, 5729-5738.	1.2	41

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55	Quercetin and sulforaphane in combination suppress the progression of melanoma through the down-regulation of matrix metalloproteinase-9. Experimental and Therapeutic Medicine, 2010, 1, 915-920.	0.8	41
56	Uteroglobin (UG) Suppresses Extracellular Matrix Invasion by Normal and Cancer Cells That Express the High Affinity UG-binding Proteins. Journal of Biological Chemistry, 1998, 273, 22819-22824.	1.6	40
57	Functional Characterization of Stromal Osteopontin in Melanoma Progression and Metastasis. PLoS ONE, 2013, 8, e69116.	1.1	38
58	p53 gainâ€ofâ€function mutations increase Cdc7â€dependent replication initiation. EMBO Reports, 2017, 18, 2030-2050.	2.0	34
59	Alcohol, Signaling, and ECM Turnover. Alcoholism: Clinical and Experimental Research, 2010, 34, 4-18.	1.4	33
60	Modified dipeptide-based nanoparticles: vehicles for targeted tumor drug delivery. Nanomedicine, 2013, 8, 1927-1942.	1.7	32
61	Tumor-derived osteopontin drives the resident fibroblast to myofibroblast differentiation through Twist1 to promote breast cancer progression. Oncogene, 2021, 40, 2002-2017.	2.6	32
62	Chronic exposure to chewing tobacco selects for overexpression of stearoyl-CoA desaturase in normal oral keratinocytes. Cancer Biology and Therapy, 2015, 16, 1593-1603.	1.5	31
63	A biodegradable fluorescent nanohybrid for photo-driven tumor diagnosis and tumor growth inhibition. Nanoscale, 2018, 10, 19082-19091.	2.8	30
64	Graphene Oxide Supported Liposomes as Red Emissive Theranostics for Phototriggered Tissue Visualization and Tumor Regression. ACS Applied Bio Materials, 2019, 2, 3312-3320.	2.3	30
65	Association of osteopontin and cyclooxygenase-2 expression with breast cancer subtypes and their use as potential biomarkers. Oncology Letters, 2013, 6, 1559-1564.	0.8	28
66	Gold Nanocages as Effective Photothermal Transducers in Killing Highly Tumorigenic Cancer Cells. Particle and Particle Systems Characterization, 2014, 31, 398-405.	1.2	28
67	Biocompatible Amphiphilic Pentablock Copolymeric Nanoparticles for Anti-Cancer Drug Delivery. Journal of Biomedical Nanotechnology, 2014, 10, 109-119.	0.5	27
68	Cross-talk between Endoplasmic Reticulum (ER) Stress and the MEK/ERK Pathway Potentiates Apoptosis in Human Triple Negative Breast Carcinoma Cells. Journal of Biological Chemistry, 2015, 290, 3936-3949.	1.6	25
69	Tyrosine Kinase, p56 -induced Cell Motility, and Urokinase-type Plasminogen Activator Secretion Involve Activation of Epidermal Growth Factor Receptor/Extracellular Signal Regulated Kinase Pathways. Journal of Biological Chemistry, 2004, 279, 9733-9742.	1.6	22
70	The alkylating properties of chlorambucil. Pharmacology Biochemistry and Behavior, 1994, 49, 621-624.	1.3	21
71	Impact of semaphorin expression on prognostic characteristics in breast cancer. Breast Cancer: Targets and Therapy, 2018, Volume 10, 79-88.	1.0	20
72	Insight into the Physiological Function(s) of Uteroglobin by Geneâ€Knockout and Antisenseâ€Transgenic Approaches. Annals of the New York Academy of Sciences, 2000, 923, 210-233.	1.8	19

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73	Induction of monoamine oxidase A-mediated oxidative stress and impairment of NRF2-antioxidant defence response by polyphenol-rich fraction of Bergenia ligulata sensitizes prostate cancer cells in vitro and in vivo. Free Radical Biology and Medicine, 2021, 172, 136-151.	1.3	19
74	The Amino-terminal Region of the Luteinizing Hormone/Choriogonadotropin Receptor Contacts Both Subunits of Human Choriogonadotropin. Journal of Biological Chemistry, 1998, 273, 13841-13847.	1.6	18
75	Isolation, purification and characterization of Trichothecinol-A produced by endophytic fungus Trichotheciumsp. and its antifungal, anticancer and antimetastatic activities. Sustainable Chemical Processes, 2014, 2, .	2.3	18
76	Osteopontin stimulates melanoma growth and lung metastasis through NIK/MEKK1-dependent MMP-9 activation pathways. Oncology Reports, 0, , .	1.2	16
77	Identification of endothelin converting enzyme in bovine lung membranes using a new fluorogenic substrate. Life Sciences, 1992, 50, 965-970.	2.0	15
78	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
79	CRISPR based therapeutics: a new paradigm in cancer precision medicine. Molecular Cancer, 2022, 21, 85.	7.9	15
80	Ultrahigh Penetration and Retention of Graphene Quantum Dot Mesoporous Silica Nanohybrids for Image Guided Tumor Regression. ACS Applied Bio Materials, 2021, 4, 1693-1703.	2.3	14
81	MiRNA-146a/AKT/Î²-Catenin Activation Regulates Cancer Stem Cell Phenotype in Oral Squamous Cell Carcinoma by Targeting CD24. Frontiers in Oncology, 2021, 11, 651692.	1.3	14
82	Uteroglobin Binding Proteins: Regulation of Cellular Motility and Invasion in Normal and Cancer Cells. Annals of the New York Academy of Sciences, 2000, 923, 234-248.	1.8	11
83	Isolation, Structure, and Functional Elucidation of a Modified Pentapeptide, Cysteine Protease Inhibitor (CPI-2081) from Streptomyces Species 2081 that Exhibit Inhibitory Effect on Cancer Cell Migration. Journal of Medicinal Chemistry, 2010, 53, 5121-5128.	2.9	11
84	Comparative Characterization of Cardiac Development Specific microRNAs: Fetal Regulators for Future. PLoS ONE, 2015, 10, e0139359.	1.1	11
85	The potential of class 3 semaphorins as both targets and therapeutics in cancer. Expert Opinion on Therapeutic Targets, 2015, 19, 427-442.	1.5	10
86	Osteopontin Signaling in Shaping Tumor Microenvironment Conducive to Malignant Progression. Advances in Experimental Medicine and Biology, 2021, 1329, 419-441.	0.8	10
87	Photoaffinity Labeling of the Lutropin Receptor with Synthetic Peptide for Carboxyl Terminus of the Human Choriogonadotropin Î³ Subunit. Journal of Biological Chemistry, 1996, 271, 11063-11066.	1.6	9
88	Continuous flow fabrication of Fmoc-cysteine based nanobowl infused coreâ€“shell like microstructures for pH switchable on-demand anti-cancer drug delivery. Biomaterials Science, 2021, 9, 942-959.	2.6	9
89	One-Pot Fluorescent Labeling Protocol for Complex Hydroxylated Bioactive Natural Products. Journal of Organic Chemistry, 2013, 78, 10192-10202.	1.7	8
90	Desialylation of Sonic-Hedgehog by Neu2 Inhibits Its Association with Patched1 Reducing Stemness-Like Properties in Pancreatic Cancer Sphere-forming Cells. Cells, 2020, 9, 1512.	1.8	8

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91	Polyherbal formulation Anoacâ€'H suppresses theÂexpression of RANTES and VEGF for theÂmanagement of bleeding hemorrhoids and fistula. Molecular Medicine Reports, 2021, 24, .	1.1	8
92	Endothelinâ€converting enzyme: the binding of metal ions. International Journal of Peptide and Protein Research, 1993, 42, 64-67.	0.1	6
93	Structural Constraint of Osteopontin Facilitates Efficient Binding to CD44. Biomolecules, 2021, 11, 813.	1.8	6
94	Antimelanomal activity of the copper(II) complexes of 1-substituted 5-amino-imidazole ligands against B16F10 mouse melanoma cells. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 2877-2882.	1.0	5
95	Amino Acid Residues in Î±â€Helixâ€3 of Human Uteroglobin Are Critical for Its Phospholipase A₂ Inhibitory Activity. Annals of the New York Academy of Sciences, 2000, 923, 307-311.	1.8	5
96	Curcuma zedoaria (christm.) roscoe inhibits proliferation of MDA-MB231 cells via caspase-cascade apoptosis. Oriental Pharmacy and Experimental Medicine, 2019, 19, 235-241.	1.2	5
97	Role of Osteopontin in Tumor Microenvironment: A New Paradigm in Cancer Therapy. , 2015, , 113-125.		4
98	Extracellular volatilomic alterations induced by hypoxia in breast cancer cells. Metabolomics, 2020, 16, 21.	1.4	4
99	Herbal medicine AnoSpray suppresses proinflammatory cytokines COXâ€'2 and RANTES in the management of hemorrhoids, acute anal fissures and perineal wounds. Experimental and Therapeutic Medicine, 2021, 23, 86.	0.8	4
100	Trichothecin from Endophytic Fungus Trichothecium sp. and its Anticancer Effect on Murine Melanoma and Breast Cancer Cell Lines. Current Biochemical Engineering, 2015, 2, 73-80.	1.3	3
101	Folated curcumin-gold nanoformulations: A nanotherapeutic strategy for breast cancer therapy. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2020, 38, 050802.	0.6	3
102	Antiproliferative and apoptotic potential of methotrexate lipid nanoparticles in a murine breast cancer model. Nanomedicine, 2022, 17, 753-764.	1.7	3
103	Status of research on matrix metalloproteinases (MMPs) in India. Expert Opinion on Therapeutic Targets, 2011, 15, 671-675.	1.5	2
104	SARS-CoV-2: Origin, Pathogenesis and Therapeutic Interventions. Coronaviruses, 2021, 2, .	0.2	2
105	Notch1-MAPK Signaling Axis is Essential in CD133+ Melanoma Initiating Cells. Journal of Cell Signaling, 2017, 02, .	0.3	0