

Samir Patra

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

2,938
citations

159525

30
h-index

175177

52
g-index

73
all docs

73
docs citations

73
times ranked

4068
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissecting lipid raft facilitated cell signaling pathways in cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2008, 1785, 182-206.	3.3	192
2	DNA methyltransferase and demethylase in human prostate cancer. <i>Molecular Carcinogenesis</i> , 2002, 33, 163-171.	1.3	187
3	Green synthesis of silver nanoparticles using fresh water green alga <i>Pithophora oedogonia</i> (Mont.) Wittrock and evaluation of their antibacterial activity. <i>Applied Nanoscience (Switzerland)</i> , 2015, 5, 703-709.	1.6	186
4	Autophagy. <i>Advances in Cancer Research</i> , 2013, 118, 61-95.	1.9	161
5	Histone Deacetylase and DNA Methyltransferase in Human Prostate Cancer. <i>Biochemical and Biophysical Research Communications</i> , 2001, 287, 705-713.	1.0	151
6	Histone Deacetylases. <i>Journal of Histochemistry and Cytochemistry</i> , 2014, 62, 11-33.	1.3	126
7	Structure-function and application of plant lectins in disease biology and immunity. <i>Food and Chemical Toxicology</i> , 2019, 134, 110827.	1.8	117
8	Demethylation of (Cytosine-5-C-methyl) DNA and regulation of transcription in the epigenetic pathways of cancer development. <i>Cancer and Metastasis Reviews</i> , 2008, 27, 315-334.	2.7	89
9	An insight into the various regulatory mechanisms modulating human DNA methyltransferase 1 stability and function. <i>Epigenetics</i> , 2012, 7, 994-1007.	1.3	89
10	Detergent solubilisation of phospholipid bilayers in the gel state: the role of polar and hydrophobic forces. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1998, 1373, 112-118.	1.4	88
11	Autophagy-modulating phytochemicals in cancer therapeutics: Current evidences and future perspectives. <i>Seminars in Cancer Biology</i> , 2022, 80, 205-217.	4.3	74
12	Dietary polyphenols in chemoprevention and synergistic effect in cancer: Clinical evidences and molecular mechanisms of action. <i>Phytomedicine</i> , 2021, 90, 153554.	2.3	73
13	Ras regulation of DNA-methylation and cancer. <i>Experimental Cell Research</i> , 2008, 314, 1193-1201.	1.2	70
14	Liposomes Containing Sphingomyelin and Cholesterol: Detergent Solubilisation and Infrared Spectroscopic Studies. <i>Journal of Liposome Research</i> , 1999, 9, 247-260.	1.5	59
15	Monomeric and Dimeric Oxidomolybdenum(V and VI) Complexes, Cytotoxicity, and DNA Interaction Studies: Molybdenum Assisted C α -N Bond Cleavage of Salophen Ligands. <i>Inorganic Chemistry</i> , 2017, 56, 11190-11210.	1.9	52
16	Epigenetic DNA-(cytosine-5-carbon) modifications: 5-aza-2 β -deoxycytidine and DNA-demethylation. <i>Biochemistry (Moscow)</i> , 2009, 74, 613-619.	0.7	48
17	Expression profiling of DNA methylation-mediated epigenetic gene-silencing factors in breast cancer. <i>Clinical Epigenetics</i> , 2014, 6, 20.	1.8	47
18	DNA methylation and not H3K4 trimethylation dictates the expression status of miR-152 gene which inhibits migration of breast cancer cells via DNMT1/CDH1 loop. <i>Experimental Cell Research</i> , 2016, 346, 176-187.	1.2	47

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19	Mechanisms of DNA methyltransferaseâ€inhibitor interactions: Procyanidin B2 shows new promise for therapeutic intervention of cancer. <i>Chemico-Biological Interactions</i> , 2015, 233, 122-138.	1.7	46
20	Epigenetic DNA-methylation regulation of genes coding for lipid raft-associated components: a role for raft proteins in cell transformation and cancer progression (review). <i>Oncology Reports</i> , 2007, 17, 1279-90.	1.2	45
21	Epigenetic silencing of genes enhanced by collective role of reactive oxygen species and MAPK signaling downstream ERK/Snail axis: Ectopic application of hydrogen peroxide repress CDH1 gene by enhanced DNA methyltransferase activity in human breast cancer. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1651-1665.	1.8	42
22	DNA methylationâ€mediated nucleosome dynamics and oncogenic Ras signaling. <i>FEBS Journal</i> , 2008, 275, 5217-5235.	2.2	38
23	Chromatin dynamics: H3K4 methylation and H3 variant replacement during development and in cancer. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 3439-3463.	2.4	37
24	Methyl-CpGâ€DNA binding proteins in human prostate cancer: expression of CXXC sequence containing MBD1 and repression of MBD2 and MeCP2. <i>Biochemical and Biophysical Research Communications</i> , 2003, 302, 759-766.	1.0	36
25	Intricacies of hedgehog signaling pathways: A perspective in tumorigenesis. <i>Experimental Cell Research</i> , 2012, 318, 1959-1972.	1.2	36
26	Identification of Genetic and Epigenetic Variants Associated with Breast Cancer Prognosis by Integrative Bioinformatics Analysis. <i>Cancer Informatics</i> , 2017, 16, CIN.S39783.	0.9	36
27	Terminalia bellirica extract induces anticancer activity through modulation of apoptosis and autophagy in oral squamous cell carcinoma. <i>Food and Chemical Toxicology</i> , 2020, 136, 111073.	1.8	36
28	Dissecting miRNA facilitated physiology and function in human breast cancer for therapeutic intervention. <i>Seminars in Cancer Biology</i> , 2021, 72, 46-64.	4.3	35
29	Molecular marks for epigenetic identification of developmental and cancer stem cells. <i>Clinical Epigenetics</i> , 2011, 2, 27-53.	1.8	34
30	Insights into the molecular interactions of thymoquinone with histone deacetylase: evaluation of the therapeutic intervention potential against breast cancer. <i>Molecular BioSystems</i> , 2016, 12, 48-58.	2.9	34
31	Clusterin gene is predominantly regulated by histone modifications in human colon cancer and ectopic expression of the nuclear isoform induces cell death. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 1630-1645.	1.8	32
32	Integrin-epigenetics: a system with imperative impact on cancer. <i>Cancer and Metastasis Reviews</i> , 2012, 31, 221-234.	2.7	31
33	Epigenetics of reproductive infertility. <i>Frontiers in Bioscience - Scholar</i> , 2017, 9, 509-535.	0.8	28
34	Epigenetic drift towards histone modifications regulates CAV1 gene expression in colon cancer. <i>Gene</i> , 2016, 581, 75-84.	1.0	27
35	Paederia foetida induces anticancer activity by modulating chromatin modification enzymes and altering pro-inflammatory cytokine gene expression in human prostate cancer cells. <i>Food and Chemical Toxicology</i> , 2019, 130, 161-173.	1.8	25
36	Clusterin as modulator of carcinogenesis: A potential avenue for targeted cancer therapy. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2021, 1875, 188500.	3.3	25

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37	<i>Abrus</i> agglutinin is a potent anti-proliferative and anti-angiogenic agent in human breast cancer. <i>International Journal of Cancer</i> , 2016, 139, 457-466.	2.3	24
38	Protein kinase C dependent and independent activation of phospholipase A2 under calcium ionophore (A23187) exposure in rabbit pulmonary arterial smooth muscle cells. <i>FEBS Letters</i> , 1991, 285, 104-107.	1.3	23
39	Elucidation of caveolin 1 both as a tumor suppressor and metastasis promoter in light of epigenetic modulators. <i>Tumor Biology</i> , 2014, 35, 12031-12047.	0.8	23
40	Anion triggered and solvent assisted structural diversity and reversible single-crystal-to-single-crystal (SCSC) transformation between 1D and 2D coordination polymers. <i>CrystEngComm</i> , 2015, 17, 8876-8887.	1.3	23
41	SOX2 function and Hedgehog signaling pathway are co-conspirators in promoting androgen independent prostate cancer. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 253-265.	1.8	23
42	5-Aza-2-deoxycytidine stress response and apoptosis in prostate cancer. <i>Clinical Epigenetics</i> , 2011, 2, 339-348.	1.8	22
43	Synthesis, structure and biological evaluation of mixed ligand oxidovanadium(IV) complexes incorporating 2-(aryloxy)phenolates. <i>New Journal of Chemistry</i> , 2019, 43, 17711-17725.	1.4	21
44	Epigenetic choreography of stem cells: the DNA demethylation episode of development. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 1017-1032.	2.4	20
45	Antagonistic activities of miR-148a and DNMT1: Ectopic expression of miR-148a impairs DNMT1 mRNA and dwindle cell proliferation and survival. <i>Gene</i> , 2018, 660, 68-79.	1.0	20
46	DNA methylation regulates Microtubule-associated tumor suppressor 1 in human non-small cell lung carcinoma. <i>Experimental Cell Research</i> , 2019, 374, 323-332.	1.2	20
47	Spectroscopic Probes of the Individual and Combined Effects of Triton X-100 and Chloroform on Serum Albumins and Serum-Albumin . Bilirubin Complexes. <i>FEBS Journal</i> , 1997, 246, 658-664.	0.2	19
48	Overexpression of OCT4 induced by modulation of histone marks plays crucial role in breast cancer progression. <i>Gene</i> , 2018, 643, 35-45.	1.0	19
49	Molecular mechanisms of KDM5A in cellular functions: Facets during development and disease. <i>Experimental Cell Research</i> , 2020, 396, 112314.	1.2	19
50	miR-193a targets MLL1 mRNA and drastically decreases MLL1 protein production: Ectopic expression of the miRNA aberrantly lowers H3K4me3 content of the chromatin and hampers cell proliferation and viability. <i>Gene</i> , 2019, 705, 22-35.	1.0	18
51	Roles of OCT4 in pathways of embryonic development and cancer progression. <i>Mechanisms of Ageing and Development</i> , 2020, 189, 111286.	2.2	18
52	Secretory clusterin promotes oral cancer cell survival via inhibiting apoptosis by activation of autophagy in AMPK/mTOR/ULK1 dependent pathway. <i>Life Sciences</i> , 2021, 264, 118722.	2.0	18
53	Inflammasomes in cancer: Effect of epigenetic and autophagic modulations. <i>Seminars in Cancer Biology</i> , 2020, , .	4.3	15
54	Bioactive compounds from marine invertebrates as potent anticancer drugs: the possible pharmacophores modulating cell death pathways. <i>Molecular Biology Reports</i> , 2020, 47, 7209-7228.	1.0	15

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55	Bacopa monnieri inhibits apoptosis and senescence through mitophagy in human astrocytes. Food and Chemical Toxicology, 2020, 141, 111367.	1.8	14
56	State of aggregation of bilirubin in aqueous solution: principal component analysis approach. Journal of Photochemistry and Photobiology A: Chemistry, 1999, 122, 23-31.	2.0	13
57	Silencing of ZRF1 impedes survival of estrogen receptor positive MCF-7 cells and potentiates the effect of curcumin. Tumor Biology, 2016, 37, 12535-12546.	0.8	12
58	PAX9 reactivation by inhibiting DNA methyltransferase triggers antitumor effect in oral squamous cell carcinoma. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2022, 1868, 166428.	1.8	12
59	Red edge excitation shift emission spectroscopic investigation of serum albumins and serum albumin-bilirubin complexes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1997, 53, 1609-1614.	2.0	11
60	Epigenetic DNA-methylation regulation of genes coding for lipid raft-associated components: A role for raft proteins in cell transformation and cancer progression (Review). Oncology Reports, 0, , .	1.2	10
61	Epigenetic Dietary Interventions for Prevention of Cancer. , 2019, , 23-48.		8
62	Emerging histone glutamine modifications mediated gene expression in cell differentiation and the VTA reward pathway. Gene, 2021, 768, 145323.	1.0	5
63	Comprehensive bioinformatic analyses of KRAS mutations and deciphering chromatin modification landscape of Caveolin-1 gene by lipid raft destabilization induced modulation of RAS-MAPK axis in colon cancer. Advances in Cancer Biology Metastasis, 2022, 4, 100048.	1.1	4
64	Interaction of phospholipase C with liposome: A conformation transition of the enzyme is critical and specific to liposome composition for burst hydrolysis and fusion in concert. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 173, 647-654.	2.0	3
65	Dichroic Probe of the Equilibrium Constant of the Distribution of Bilirubin to Human and Bovine Serum Albumins. Journal of Macromolecular Science - Pure and Applied Chemistry, 1997, 34, 1569-1579.	1.2	2
66	Epigenetic MicroRNA Regulation of Multiple Chromatin Functions: A Perspective in Cancer. Epigenetic Diagnosis & Therapy, 2016, 1, 81-90.	0.1	1
67	Involvement of Lipid Rafts in Growth Factor Receptors-Mediated Signaling for Cancer Metastasis. Cancer Metastasis - Biology and Treatment, 2010, , 209-224.	0.1	0