

# Jayanta Sarkar

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44  
papers

1,217  
citations

20  
h-index

34  
g-index

48  
ext. papers

1,390  
ext. citations

4.3  
avg, IF

4.2  
L-index

#	Paper	IF	Citations
44	Synthesis and in vitro evaluation of novel coumarin-chalcone hybrids as potential anticancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 7205-11	2.9	207
43	Oral cancer: risk factors and molecular pathogenesis. <i>Journal of Maxillofacial and Oral Surgery</i> , <b>2011</b> , 10, 132-7	0.9	99
42	Natural antitubulin agents: importance of 3,4,5-trimethoxyphenyl fragment. <i>Bioorganic and Medicinal Chemistry</i> , <b>2015</b> , 23, 373-89	3.4	90
41	Synthesis and cytotoxicity evaluation of (tetrahydro-beta-carboline)-1,3,5-triazine hybrids as anticancer agents. <i>European Journal of Medicinal Chemistry</i> , <b>2010</b> , 45, 2265-76	6.8	58
40	Cassane diterpenes from <i>Caesalpinia bonduc</i> . <i>Phytochemistry</i> , <b>2009</b> , 70, 256-61	4	53
39	Antiproliferative action of <i>Xylopiya aethiopica</i> fruit extract on human cervical cancer cells. <i>Phytotherapy Research</i> , <b>2011</b> , 25, 1558-63	6.7	47
38	Anti-tumour activity of a novel coumarin-chalcone hybrid is mediated through intrinsic apoptotic pathway by inducing PUMA and altering Bax/Bcl-2 ratio. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , <b>2014</b> , 19, 1017-28	5.4	43
37	Synthesis of novel $\beta$ -carboline based chalcones with high cytotoxic activity against breast cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2014</b> , 24, 2820-4	2.9	43
36	Recent Advances in chemistry and pharmacology of 2-methoxyestradiol: An anticancer investigational drug. <i>Steroids</i> , <b>2016</b> , 110, 9-34	2.8	36
35	Synthesis of pharmacologically important naphthoquinones and anticancer activity of 2-benzylawsone through DNA topoisomerase-II inhibition. <i>Bioorganic and Medicinal Chemistry</i> , <b>2017</b> , 25, 1364-1373	3.4	34
34	Antiproliferative efficacy of curcumin mimics through microtubule destabilization. <i>European Journal of Medicinal Chemistry</i> , <b>2018</b> , 151, 51-61	6.8	33
33	Synthesis of novel anticancer agents through opening of spiroacetal ring of diosgenin. <i>Steroids</i> , <b>2014</b> , 87, 108-18	2.8	31
32	Synthesis and biological evaluation of novel 4-(hetero) aryl-2-piperazino quinazolines as anti-leishmanial and anti-proliferative agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2009</b> , 19, 2542-5	2.9	30
31	Anticancer activity and toxicity profiles of 2-benzylidene indanone lead molecule. <i>European Journal of Pharmaceutical Sciences</i> , <b>2015</b> , 76, 57-67	5.1	29
30	Synthesis of 2-(pyrimidin-2-yl)-1-phenyl-2,3,4,9-tetrahydro-1H-beta-carbolines as antileishmanial agents. <i>European Journal of Medicinal Chemistry</i> , <b>2010</b> , 45, 3274-80	6.8	29
29	Cytotoxic cycloartane triterpene and rare isomeric bisclerodane diterpenes from the leaves of <i>Polyalthia longifolia</i> var. <i>pendula</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 5767-71	2.9	26
28	(22 $\beta$ 5R)-3 $\beta$ -Hydroxy-spirost-5-en-7-iminoxy-heptanoic acid exhibits anti-prostate cancer activity through caspase pathway. <i>Steroids</i> , <b>2017</b> , 119, 43-52	2.8	24

27	Melatonin Reverses Fas, E2F-1 and Endoplasmic Reticulum Stress Mediated Apoptosis and Dysregulation of Autophagy Induced by the Herbicide Atrazine in Murine Splenocytes. <i>PLoS ONE</i> , <b>2014</b> , 9, e108602	3.7	23
26	Identification of gallic acid based glycoconjugates as a novel tubulin polymerization inhibitors. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 1338-58	3.9	22
25	Ormeloxifene-induced unfolded protein response contributes to autophagy-associated apoptosis via disruption of Akt/mTOR and activation of JNK. <i>Scientific Reports</i> , <b>2018</b> , 8, 2303	4.9	21
24	Staurosporine induces apoptosis in human papillomavirus positive oral cancer cells at G2/M phase by disrupting mitochondrial membrane potential and modulation of cell cytoskeleton. <i>Oral Oncology</i> , <b>2009</b> , 45, 974-9	4.4	20
23	Rapid screening and quantitative determination of bioactive compounds from fruit extracts of Myristica species and their in vitro antiproliferative activity. <i>Food Chemistry</i> , <b>2016</b> , 211, 483-93	8.5	20
22	Coumarin-chalcone hybrid instigates DNA damage by minor groove binding and stabilizes p53 through post translational modifications. <i>Scientific Reports</i> , <b>2017</b> , 7, 45287	4.9	18
21	Synthesis of 3,5-dihydroxy-7,8-dimethoxy-2-(4-methoxyphenyl)benzopyran-4-one derivatives as anticancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2016</b> , 26, 5322-5327	2.9	16
20	Infectivity, virulence, pathogenicity, host-pathogen interactions of SARS and SARS-CoV-2 in experimental animals: a systematic review. <i>Veterinary Research Communications</i> , <b>2020</b> , 44, 101-110	2.9	16
19	An efficient combinatorial synthesis of allocolchicine analogues via a triple cascade reaction and their evaluation as inhibitors of insulin aggregation. <i>ChemMedChem</i> , <b>2013</b> , 8, 1767-72	3.7	15
18	Dual targeting of MDM2 with a novel small-molecule inhibitor overcomes TRAIL resistance in cancer. <i>Carcinogenesis</i> , <b>2016</b> , 37, 1027-1040	4.6	14
17	The prophage-encoded hyaluronate lyase has broad substrate specificity and is regulated by the N-terminal domain. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 35225-36	5.4	13
16	Quantification of multianalyte by UPLC-QQQ-MS/MS and in-vitro anti-proliferative screening in Cassia species. <i>Industrial Crops and Products</i> , <b>2015</b> , 76, 1133-1141	5.9	10
15	Gedunin isolated from the mangrove plant <i>Xylocarpus granatum</i> exerts its anti-proliferative activity in ovarian cancer cells through G2/M-phase arrest and oxidative stress-mediated intrinsic apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , <b>2020</b> , 25, 481-499	5.4	10
14	Syntheses of 2-methoxyestradiol and eugenol template based diarylpropenes as non-steroidal anticancer agents. <i>RSC Advances</i> , <b>2014</b> , 4, 35171	3.7	10
13	Modeling gene-environment interactions in oral cavity and esophageal cancers demonstrates a role for the p53 R72P polymorphism in modulating susceptibility. <i>Molecular Carcinogenesis</i> , <b>2014</b> , 53, 648-58 <sup>5</sup>	5	10
12	Salinomycin inhibits epigenetic modulator EZH2 to enhance death receptors in colon cancer stem cells. <i>Epigenetics</i> , <b>2021</b> , 16, 144-161	5.7	10
11	Synthesis, SAR and biological studies of sugar amino acid-based almiramide analogues: N-methylation leads the way. <i>Organic and Biomolecular Chemistry</i> , <b>2017</b> , 15, 3337-3352	3.9	9
10	Mycobacterium tuberculosis can gain access to adipose depots of mice infected via the intra-nasal route and to lungs of mice with an infected subcutaneous fat implant. <i>Microbial Pathogenesis</i> , <b>2016</b> , 93, 32-7	3.8	8

9	New orally active DNA minor groove binding small molecule CT-1 acts against breast cancer by targeting tumor DNA damage leading to p53-dependent apoptosis. <i>Molecular Carcinogenesis</i> , <b>2017</b> , 56, 1266-1280	5	8
8	Induction of targeted osteogenesis with 3-aryl-2H-benzopyrans and 3-aryl-3H-benzopyrans: Novel osteogenic agents. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2016</b> , 158, 63-75	5.1	7
7	Microtubule disrupting agent-mediated inhibition of cancer cell growth is associated with blockade of autophagic flux and simultaneous induction of apoptosis. <i>Cell Proliferation</i> , <b>2020</b> , 53, e12749	7.9	6
6	Bioguided chemical characterization of the antiproliferative fraction of edible pseudo bulbs of <i>Malaxis acuminata</i> D. Don by HPLC-ESI-QTOF-MS. <i>Medicinal Chemistry Research</i> , <b>2017</b> , 26, 3307-3314	2.2	5
5	Synthesis of 4-phenyl-5,6-dihydrobenzo[h]quinazolines and their evaluation as growth inhibitors of carcinoma cells. <i>RSC Advances</i> , <b>2016</b> , 6, 18607-18618	3.7	5
4	CXCR4 intracellular protein promotes drug resistance and tumorigenic potential by inversely regulating the expression of Death Receptor 5. <i>Cell Death and Disease</i> , <b>2021</b> , 12, 464	9.8	5
3	Synthesis, photophysical and anticancer study of D-ring extended estrone analogues. <i>RSC Advances</i> , <b>2015</b> , 5, 68843-68851	3.7	2
2	7-hydroxyfrullanolide, isolated from <i>Sphaeranthus indicus</i> , inhibits colorectal cancer cell growth by p53-dependent and -independent mechanism. <i>Carcinogenesis</i> , <b>2019</b> , 40, 791-804	4.6	2
1	3-Arylindanones and related compounds as antiproliferative agents against colorectal cancer. <i>Chemical Biology and Drug Design</i> , <b>2019</b> , 94, 1694-1705	2.9	