Stina M Oredsson

List of Publications by Year
in descending order

107	3,211	147801 31	182427 51
papers	citations	h-index	g-index

110	110	110	4260
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antioxidant Levels and Inhibition of Cancer Cell Proliferation in Vitro by Extracts from Organically and Conventionally Cultivated Strawberries. Journal of Agricultural and Food Chemistry, 2006, 54, 1248-1255.	5.2	177
2	Highâ€resolution genomic profiles of breast cancer cell lines assessed by tiling BAC array comparative genomic hybridization. Genes Chromosomes and Cancer, 2007, 46, 543-558.	2.8	176
3	Boswellic acids trigger apoptosis via a pathway dependent on caspase-8 activation but independent on Fas/Fas ligand interaction in colon cancer HT-29 cells. Carcinogenesis, 2002, 23, 2087-2093.	2.8	166
4	The Antiproliferative Effect of Dietary Fiber Phenolic Compounds Ferulic Acid andp-Coumaric Acid on the Cell Cycle of Caco-2 Cells. Nutrition and Cancer, 2011, 63, 611-622.	2.0	148
5	Galectinâ€3â€Binding Glycomimetics that Strongly Reduce Bleomycinâ€Induced Lung Fibrosis and Modulate Intracellular Glycan Recognition. ChemBioChem, 2016, 17, 1759-1770.	2.6	145
6	Polyamine dependence of normal cell-cycle progression. Biochemical Society Transactions, 2003, 31, 366-370.	3.4	129
7	Fibroblasts Cultured on Nanowires Exhibit Low Motility, Impaired Cell Division, and DNA Damage. Small, 2013, 9, 4006-4016.	10.0	94
8	Differential Effects of Ferulic Acid andp-Coumaric Acid on S Phase Distribution and Length of S Phase in the Human Colonic Cell Line Caco-2. Journal of Agricultural and Food Chemistry, 2005, 53, 6658-6665.	5.2	88
9	Extracellular and intracellular small-molecule galectin-3 inhibitors. Scientific Reports, 2019, 9, 2186.	3.3	74
10	Ornithine Decarboxylase and S-Adenosylmethionine Decarboxylase Expression during the Cell Cycle of Chinese Hamster Ovary Cells. Experimental Cell Research, 1995, 216, 86-92.	2.6	72
11	Keto- and acetyl-keto-boswellic acids inhibit proliferation and induce apoptosis in Hep G2 cells via a caspase-8 dependent pathway. International Journal of Molecular Medicine, 2002, 10, 501-5.	4.0	67
12	Ornithine decarboxylase inhibitors increase the cellular content of the enzyme: Implications for translational regulation. Biochemical and Biophysical Research Communications, 1985, 131, 239-245.	2.1	64
13	The Molecular Basis for Inhibition of Stemlike Cancer Cells by Salinomycin. ACS Central Science, 2018, 4, 760-767.	11.3	58
14	Synthetic modification of salinomycin: selective O-acylation and biological evaluation. Chemical Communications, 2013, 49, 9944.	4.1	56
15	From immobilized cells to motile cells on a bed-of-nails: effects of vertical nanowire array density on cell behaviour. Scientific Reports, 2015, 5, 18535.	3.3	56
16	Low or No Inhibitory Potency of the Canonical Galectin Carbohydrate-binding Site by Pectins and Galactomannans. Journal of Biological Chemistry, 2016, 291, 13318-13334.	3.4	55
17	Cellular traction forces: a useful parameter in cancer research. Nanoscale, 2017, 9, 19039-19044.	5.6	54
18	Lactoferricin treatment decreases the rate of cell proliferation of a human colon cancer cell line. Journal of Dairy Science, 2009, 92, 2477-2484.	3.4	50

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19	Induction of apoptotic cell death by putrescine. International Journal of Biochemistry and Cell Biology, 2006, 38, 621-628.	2.8	45
20	Rapid caspase-dependent cell death in cultured human breast cancer cells induced by the polyamine analogueN1,N11-diethylnorspermine. FEBS Journal, 2002, 269, 1033-1039.	0.2	43
21	Characterization of a Novel Breast Carcinoma Xenograft and Cell Line Derived from a BRCA1 Germ-Line Mutation Carrier. Laboratory Investigation, 2003, 83, 387-396.	3.7	43
22	Fluorescent Nanowire Heterostructures as a Versatile Tool for Biology Applications. Nano Letters, 2013, 13, 4728-4732.	9.1	43
23	Irreversible inhibition of the early increase in ornithine decarboxylase activity following growth stimulation is required to block Ehrlich ascites tumor cell proliferation in culture. Biochemical and Biophysical Research Communications, 1980, 94, 151-158.	2.1	39
24	Breast cancer stem cell selectivity of synthetic nanomolar-active salinomycin analogs. BMC Cancer, 2016, 16, 145.	2.6	38
25	Comparison of three cytotoxicity tests in the evaluation of the cytotoxicity of a spermine analogue on human breast cancer cell lines. Toxicology in Vitro, 2005, 19, 379-387.	2.4	37
26	Apparent exchange rate for breast cancer characterization. NMR in Biomedicine, 2016, 29, 631-639.	2.8	36
27	Vertical oxide nanotubes connected by subsurface microchannels. Nano Research, 2012, 5, 190-198.	10.4	35
28	Semisynthesis of SY-1 for Investigation of Breast Cancer Stem Cell Selectivity of C-Ring-Modified Salinomycin Analogues. ACS Chemical Biology, 2014, 9, 1587-1594.	3.4	35
29	Identification of extracellular matrix proteins secreted by human dermal fibroblasts cultured in 3D electrospun scaffolds. Scientific Reports, 2021, 11, 6655.	3.3	34
30	Treatment of cells with the polyamine analog N 1 ,N 11 -diethylnorspermine retards S phase progression within one cell cycle. FEBS Journal, 2000, 267, 4157-4164.	0.2	32
31	Norspermidine and Novel Pd(II) and Pt(II) Polynuclear Complexes of Norspermidine as Potential Antineoplastic Agents Against Breast Cancer. PLoS ONE, 2013, 8, e55651.	2.5	32
32	Determination of free and esterified carotenoid composition in rose hip fruit by HPLC-DAD-APCI+-MS. Food Chemistry, 2016, 210, 541-550.	8.2	32
33	Cells and polyamines do it cyclically. Essays in Biochemistry, 2009, 46, 63-76.	4.7	31
34	Increased breast cancer cell toxicity by palladination of the polyamine analogue N 1,N 11-bis(ethyl)norspermine. Amino Acids, 2014, 46, 339-352.	2.7	30
35	Salinomycin Hydroxamic Acids: Synthesis, Structure, and Biological Activity of Polyether Ionophore Hybrids. ACS Medicinal Chemistry Letters, 2016, 7, 635-640.	2.8	30
36	Structureâ€“Activity Relationships in Salinomycin: Cytotoxicity and Phenotype Selectivity of Semiâ€synthetic Derivatives. Chemistry - A European Journal, 2017, 23, 2077-2083.	3.3	30

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37	Different Roles of Spermine in Glucocorticoid- and Fas-Induced Apoptosis. Experimental Cell Research, 2001, 266, 333-341.	2.6	28
38	Biocompatibility of a polymer based on Off-Stoichiometry Thiol-Enesâ€‰+â€‰Epoxy (OSTE+) for neural implants. Biomaterials Research, 2015, 19, 19.	6.9	28
39	Anti-cancer stem cell activity of a sesquiterpene lactone isolated from Ambrosia arborescens and of a synthetic derivative. PLoS ONE, 2017, 12, e0184304.	2.5	26
40	Spermine prevents cytochrome c release in glucocorticoid-induced apoptosis in mouse thymocytes. Cell Biology International, 2003, 27, 115-121.	3.0	24
41	Differential polyamine analogue effects in four human breast cancer cell lines. Toxicology, 2006, 223, 71-81.	4.2	23
42	A role for antizyme inhibitor in cell proliferation. Amino Acids, 2015, 47, 1341-1352.	2.7	23
43	Quinolineâ€“galactose hybrids bind selectively with high affinity to a galectin-8 N-terminal domain. Organic and Biomolecular Chemistry, 2018, 16, 6295-6305.	2.8	23
44	Impairment of DNA Replication within One Cell Cycle after Seeding of Cells in the Presence of a Polyamine-Biosynthesis Inhibitor. FEBS Journal, 1996, 237, 539-544.	0.2	22
45	Ordered Cell Cycle Phase Perturbations in Chinese Hamster Ovary Cells Treated with an S-Adenosylmethionine Decarboxylase Inhibitor. FEBS Journal, 1997, 249, 232-238.	0.2	22
46	Influence of salinomycin treatment on division and movement of individual cancer cells cultured in normoxia or hypoxia evaluated with time-lapse digital holographic microscopy. Cell Cycle, 2017, 16, 2128-2138.	2.6	22
47	Topoisomerase II is nonfunctional in polyamine-depleted cells. , 1999, 75, 46-55.		21
48	Importance of polyamines in cell cycle kinetics as studied in a transgenic system. Experimental Cell Research, 2005, 308, 254-264.	2.6	21
49	Reduction of the putative CD44+CD24â^' breast cancer stem cell population by targeting the polyamine metabolic pathway with PG11047. Anti-Cancer Drugs, 2010, 21, 897-906.	1.4	20
50	Inhibition of cell proliferation and induction of apoptosis by N1,N11-diethylnorspermine-induced polyamine pool reduction. Biochemical Society Transactions, 2007, 35, 405-409.	3.4	19
51	Polyamine biosynthetic enzymes as targets in cancer chemotherapy. Advances in Enzyme Regulation, 1984, 22, 243-264.	2.6	17
52	Subcellular distribution of spermidine/spermine N¹â€acetyltransferase. Cell Biology International, 2008, 32, 39-47.	3.0	17
53	Polyamine depletion increases cellular ribonucleotide levels. Molecular and Cellular Biochemistry, 1986, 70, 89-96.	3.1	16
54	Possible factors in the potentiation of 1-(2-chloroethy)-3-trans-4-methylcyclohexyl-1-nitrosourea cytotoxicity by Î±-difluoromethylornithine in 9L rat brain tumor cells. European Journal of Cancer & Clinical Oncology, 1984, 20, 535-542.	0.7	15

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55	Novel Pt(II) and Pd(II) complexes with polyamine analogues: Synthesis and vibrational analysis. Journal of Inorganic Biochemistry, 2012, 108, 1-7.	3.5	15
56	Morphology of living cells cultured on nanowire arrays with varying nanowire densities and diameters. Science China Life Sciences, 2018, 61, 427-435.	4.9	15
57	Unique animal friendly 3D culturing of human cancer and normal cells. Toxicology in Vitro, 2019, 60, 51-60.	2.4	15
58	Comparison of BrdUrd and [3H]TdR incorporation to estimate cell proliferation, cell loss, and potential doubling time in tumor xenografts. Cytometry, 1992, 13, 872-879.	1.8	14
59	COMPRENDO: Focus and Approach. Environmental Health Perspectives, 2006, 114, 98-100.	6.0	14
60	Different cell cycle kinetic effects of N 1,N 11-diethylnorspermine-induced polyamine depletion in four human breast cancer cell lines. Anti-Cancer Drugs, 2008, 19, 359-368.	1.4	14
61	Cytotoxic Sesquiterpene Lactones from Kauna lasiophthalma Griseb. Scientia Pharmaceutica, 2014, 82, 147-160.	2.0	14
62	Biochemical basis of the regulatory role of polyadenosine diphosphoribose. Advances in Enzyme Regulation, 1983, 21, 177-199.	2.6	13
63	Synergistic antileukemic effect of two polyamine synthesis inhibitors. Host survival and cell-cycle kinetic analysis. International Journal of Cancer, 1986, 37, 465-470.	5.1	13
64	Reduction of ultraviolet light-induced DNA damage in human colon cancer cells treated with a lactoferrin-derived peptide. Journal of Dairy Science, 2012, 95, 5552-5560.	3.4	13
65	Reversal of the growth inhibitory effect of ?-difluoromethylornithine by putrescine but not by other divalent cations. Molecular and Cellular Biochemistry, 1984, 64, 163-72.	3.1	12
66	Polyamine Depletion with Two Different Polyamine Analogues Causes DNA Damage in Human Breast Cancer Cell Lines. DNA and Cell Biology, 2008, 27, 511-516.	1.9	12
67	Aromatic heterocycle galectin-1 interactions for selective single-digit nM affinity ligands. RSC Advances, 2018, 8, 24913-24922.	3.6	12
68	Spiro-bicyclo[2.2.2]octane derivatives as paclitaxel mimetics. Synthesis and toxicity evaluation in breast cancer cell lines. Organic and Biomolecular Chemistry, 2013, 11, 7134.	2.8	11
69	Bivalent polyether ionophores: Synthesis and biological evaluation of C2-symmetric salinomycin dimers. Tetrahedron Letters, 2017, 58, 2396-2399.	1.4	11
70	Single cell analysis of proliferation and movement of cancer and normal-like cells on nanowire array substrates. Journal of Materials Chemistry B, 2018, 6, 7042-7049.	5.8	11
71	Comparison of different labelling index formulae used on bromodeoxyuridine-flow cytometry data. , 1998, 32, 233-240.		10
72	Half-Lives of Ornithine Decarboxylase and S-Adenosylmethionine Decarboxylase Activities during the Cell Cycle of Chinese Hamster Ovary Cells. Biochemical and Biophysical Research Communications, 1999, 263, 13-16.	2.1	10

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73	Estimating the Total Rate of DNA Replication Using Branching Processes. Bulletin of Mathematical Biology, 2008, 70, 2177-2194.	1.9	10
74	Semi-synthetic salinomycin analogs exert cytotoxic activity against human colorectal cancer stem cells. Biochemical and Biophysical Research Communications, 2018, 495, 53-59.	2.1	10
75	Amylase-Dependent Regulation of Glucose Metabolism and Insulin/Glucagon Secretion in the Streptozotocin-Induced Diabetic Pig Model and in a Rat Pancreatic Beta-Cell Line, BRIN-BD11. Journal of Diabetes Research, 2020, 2020, 1-10.	2.3	10
76	Potentiation of 1,3-Bis(2-chloroethyl)-1-nitrosourea cytotoxicity in 9L rat brain tumor cells by methylglyoxal-bis(guanylhydrazone), an inhibitor of S-adenosyl-l-methionine decarboxylase. European Journal of Cancer & Clinical Oncology, 1984, 20, 417-420.	0.7	9
77	Implications for a reduced DNA-elongation rate in polyamine-depleted cells. FEBS Journal, 1990, 190, 483-489.	0.2	9
78	Molecular mechanisms underlying N 1, N 11-diethylnorspermine-induced apoptosis in a human breast cancer cell line. Anti-Cancer Drugs, 2008, 19, 871-883.	1.4	9
79	Increased toxicity of a trinuclear Pt-compound in a human squamous carcinoma cell line by polyamine depletion. Cancer Cell International, 2012, 12, 20.	4.1	9
80	Inhibition of polyamine synthesis reduces the growth rate and delays the expression of differentiated phenotypes in primary cultures of embryonic mesoderm from chick. Cell and Tissue Research, 1987, 249, 151-160.	2.9	8
81	Novel antiâ€apoptotic effect of Bclâ€2: Prevention of polyamine depletionâ€induced cell death. Cell Biology International, 2008, 32, 66-74.	3.0	8
82	Estimating the variation in S phase duration from flow cytometric histograms. Mathematical Biosciences, 2008, 213, 40-49.	1.9	8
83	Activated cell cycle checkpoints in epirubicin-treated breast cancer cells studied by BrdUrd-flow cytometry. , 1997, 29, 321-327.		7
84	The Organization of Replicon Clusters Is Not Affected by Polyamine Depletion. Journal of Structural Biology, 2000, 131, 1-9.	2.8	7
85	Effect of polyamine deficiency on proteins involved in Okazaki fragment maturation. Cell Biology International, 2008, 32, 1467-1477.	3.0	7
86	A novel cytotoxic terpenoid from the flowers of Kaunia lasiophthalma Griseb. Phytochemistry Letters, 2014, 8, 105-108.	1.2	7
87	Development of stable haploid strains and molecular genetic tools forNaumovozyma castellii(Saccharomyces castellii). Yeast, 2016, 33, 633-646.	1.7	7
88	What is understood by â€œanimal-free researchâ€?. Toxicology in Vitro, 2019, 57, 143-144.	2.4	7
89	Breast cancer cell line toxicity of a flavonoid isolated from Baccharis densiflora. BMC Complementary Medicine and Therapies, 2021, 21, 188.	2.7	7
90	Cytocidal effect of Î±-methylornithine, a competitive inhibitor of ornithine decarboxylase, on Ehrlich ascites tumor cells in vivo. Cancer Letters, 1980, 9, 207-212.	7.2	6

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91	CHANGES IN POLYAMINE METABOLISM DURING GLUCOCORTICOID-INDUCED PROGRAMMED CELL DEATH IN MOUSE THYMUS. Cell Biology International, 2000, 24, 871-880.	3.0	6
92	A Markov model approach shows a large variation in the length of S phase in MCF-7 breast cancer cells. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2005, 65A, 15-25.	1.5	6
93	Construction of polyamine-modified uridine and adenosine derivativesâ€"evaluation of DNA binding capacity and cytotoxicity in vitro. Bioorganic and Medicinal Chemistry, 2007, 15, 7426-7433.	3.0	6
94	Solvent fractions of selected Ethiopian medicinal plants used in traditional breast cancer treatment inhibit cancer stem cells in a breast cancer cell line. BMC Complementary Medicine and Therapies, 2020, 20, 366.	2.7	6
95	Cytotoxic and other bioactivities of a novel and known sesquiterpene lactones isolated from Vernonia leopoldi (Sch. Bip. ex Walp.) Vatke in breast cancer cell lines. Toxicology Reports, 2022, 9, 382-392.	3.3	6
96	Omics Analyses Reveal a Potential Link between Hormone-Sensitive Lipase and Polyamine Metabolism. Journal of Proteome Research, 2009, 8, 5008-5019.	3.7	5
97	Salinomycin Treatment Specifically Inhibits Cell Proliferation of Cancer Stem Cells Revealed by Longitudinal Single Cell Tracking in Combination with Fluorescence Microscopy. Applied Sciences (Switzerland), 2020, 10, 4732.	2.5	5
98	A novel 3D polycaprolactone high-throughput system for evaluation of toxicity in normoxia and hypoxia. Toxicology Reports, 2021, 8, 627-635.	3.3	5
99	Estimating the distribution of the G2 phase duration from flow cytometric histograms. Mathematical Biosciences, 2008, 211, 1-17.	1.9	4
100	Apoptosis induced by the potential chemotherapeutic drug N 1, N 11-Diethylnorspermine in a neuroblastoma cell line. Anti-Cancer Drugs, 2010, 21, 917-926.	1.4	4
101	Quantifying the Rate, Degree, and Heterogeneity of Morphological Change during an Epithelial to Mesenchymal Transition Using Digital Holographic Cytometry. Applied Sciences (Switzerland), 2020, 10, 4726.	2.5	4
102	Increased rate of tumor cell death caused by polyamine synthesis inhibitors. Vigiliae Christianae, 1984, 47, 131-138.	0.1	3
103	Normal-like breast cells, but not breast cancer cells, recovered from treatment with Nâ€²,Nâ€²â€²-diethylnorspermine. Anti-Cancer Drugs, 2009, 20, 230-237.	1.4	3
104	Selective Cytotoxicity of Dams in Derivatives in Breast Cancer Cells. Journal of Advanced Pharmaceutical Science and Technology, 2018, 2, 23-37.	0.2	3
105	Energy Transfer between Fluorescein Isothiocyanate and Propidium Iodide â€“ A Problem in the Estimation of Tpotwith the Bromodeoxyuridineâ€“DNA Flow Cytometry Technique?. Analytical Cellular Pathology, 1999, 19, 91-98.	2.1	2
106	Novel anti-apoptotic effect of the retinoblastoma protein: implications for polyamine analogue toxicity. Amino Acids, 2012, 42, 929-937.	2.7	1
107	Polyamine-Dependent Early Cellular Signals and Cell Proliferation. , 2006, , 41-50.		0