

Nadine Hempel

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

3,488
citations

147801

31
h-index

161849

54
g-index

69
all docs

69
docs citations

69
times ranked

4968
citing authors

#	ARTICLE	IF	CITATIONS
1	Human Sulfotransferases and Their Role in Chemical Metabolism. <i>Toxicological Sciences</i> , 2006, 90, 5-22.	3.1	582
2	The type III TGF- β 2 receptor suppresses breast cancer progression. <i>Journal of Clinical Investigation</i> , 2007, 117, 206-217.	8.2	212
3	The Type III Transforming Growth Factor- β 2 Receptor as a Novel Tumor Suppressor Gene in Prostate Cancer. <i>Cancer Research</i> , 2007, 67, 1090-1098.	0.9	167
4	Crosstalk between calcium and reactive oxygen species signaling in cancer. <i>Cell Calcium</i> , 2017, 63, 70-96.	2.4	163
5	Manganese Superoxide Dismutase Enhances the Invasive and Migratory Activity of Tumor Cells. <i>Cancer Research</i> , 2007, 67, 10260-10267.	0.9	157
6	Manganese Superoxide Dismutase (Sod2) and Redox-Control of Signaling Events That Drive Metastasis. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2011, 11, 191-201.	1.7	135
7	Negative Regulation of TRPC3 Channels by Protein Kinase C-Mediated Phosphorylation of Serine 712. <i>Molecular Pharmacology</i> , 2005, 67, 558-563.	2.3	121
8	Loss of Betaglycan Expression in Ovarian Cancer: Role in Motility and Invasion. <i>Cancer Research</i> , 2007, 67, 5231-5238.	0.9	108
9	Extracellular Glutathione Peroxidase GPx3 and Its Role in Cancer. <i>Cancers</i> , 2020, 12, 2197.	3.7	105
10	Insights into the Dichotomous Regulation of SOD2 in Cancer. <i>Antioxidants</i> , 2017, 6, 86.	5.1	100
11	Altered redox status accompanies progression to metastatic human bladder cancer. <i>Free Radical Biology and Medicine</i> , 2009, 46, 42-50.	2.9	92
12	The native ORAI channel trio underlies the diversity of Ca ²⁺ signaling events. <i>Nature Communications</i> , 2020, 11, 2444.	12.8	90
13	Mitochondria control store-operated Ca ²⁺ entry through Na ⁺ and redox signals. <i>EMBO Journal</i> , 2017, 36, 797-815.	7.8	82
14	Mitochondrial Calcium Regulation of Redox Signaling in Cancer. <i>Cells</i> , 2020, 9, 432.	4.1	77
15	Bioenergetic Analysis of Ovarian Cancer Cell Lines: Profiling of Histological Subtypes and Identification of a Mitochondria-Defective Cell Line. <i>PLoS ONE</i> , 2014, 9, e98479.	2.5	74
16	A calcium/cAMP signaling loop at the ORAI1 mouth drives channel inactivation to shape NFAT induction. <i>Nature Communications</i> , 2019, 10, 1971.	12.8	73
17	The type III TGF- β 2 receptor suppresses breast cancer progression through GIPC-mediated inhibition of TGF- β 2 signaling. <i>Carcinogenesis</i> , 2010, 31, 175-183.	2.8	57
18	Mitochondrial Superoxide Dismutase Has a Protumorigenic Role in Ovarian Clear Cell Carcinoma. <i>Cancer Research</i> , 2015, 75, 4973-4984.	0.9	57

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19	Omnitemporal choreographies of all five STIM/Orai and IP3Rs underlie the complexity of mammalian Ca ²⁺ signaling. <i>Cell Reports</i> , 2021, 34, 108760.	6.4	57
20	Regulation of MMP-1 expression in response to hypoxia is dependent on the intracellular redox status of metastatic bladder cancer cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 2593-2602.	3.8	56
21	Recent Advances in Intracellular and In Vivo ROS Sensing: Focus on Nanoparticle and Nanotube Applications. <i>International Journal of Molecular Sciences</i> , 2012, 13, 10660-10679.	4.1	53
22	Human cytosolic sulfotransferase SULT1A1. <i>International Journal of Biochemistry and Cell Biology</i> , 2007, 39, 685-689.	2.8	52
23	The Human Sulfotransferase SULT1A1 Gene Is Regulated in a Synergistic Manner by Sp1 and GA Binding Protein. <i>Molecular Pharmacology</i> , 2004, 66, 1690-1701.	2.3	48
24	Expression of the type III TGF- β 2 receptor is negatively regulated by TGF- β 2. <i>Carcinogenesis</i> , 2008, 29, 905-912.	2.8	47
25	Loss of type III transforming growth factor- β 2 receptor expression is due to methylation silencing of the transcription factor GATA3 in renal cell carcinoma. <i>Oncogene</i> , 2010, 29, 2905-2915.	5.9	41
26	Activation of Mitofusin2 by Smad2-RIN1 Complex during Mitochondrial Fusion. <i>Molecular Cell</i> , 2016, 62, 520-531.	9.7	41
27	GPx3 supports ovarian cancer progression by manipulating the extracellular redox environment. <i>Redox Biology</i> , 2019, 25, 101051.	9.0	41
28	Dichotomous role of the human mitochondrial Na ⁺ /Ca ²⁺ /Li ⁺ exchanger NCLX in colorectal cancer growth and metastasis. <i>ELife</i> , 2020, 9, .	6.0	39
29	Focal adhesion kinase-promoted tumor glucose metabolism is associated with a shift of mitochondrial respiration to glycolysis. <i>Oncogene</i> , 2016, 35, 1926-1942.	5.9	38
30	Development of Nanoscale Approaches for Ovarian Cancer Therapeutics and Diagnostics. <i>Critical Reviews in Oncogenesis</i> , 2014, 19, 281-315.	0.4	37
31	Context-dependent activation of SIRT3 is necessary for anchorage-independent survival and metastasis of ovarian cancer cells. <i>Oncogene</i> , 2020, 39, 1619-1633.	5.9	37
32	L-type Ca ²⁺ channel blockers promote vascular remodeling through activation of STIM proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17369-17380.	7.1	37
33	Cross-talk between N-terminal and C-terminal domains in stromal interaction molecule 2 (STIM2) determines enhanced STIM2 sensitivity. <i>Journal of Biological Chemistry</i> , 2019, 294, 6318-6332.	3.4	36
34	Mitochondrial Calcium Uniporter Drives Metastasis and Confers a Targetable Cystine Dependency in Pancreatic Cancer. <i>Cancer Research</i> , 2022, 82, 2254-2268.	0.9	36
35	TAK1 activation of alpha-TAT1 and microtubule hyperacetylation control AKT signaling and cell growth. <i>Nature Communications</i> , 2018, 9, 1696.	12.8	35
36	Clonal evolution in paired endometrial intraepithelial neoplasia/atypical hyperplasia and endometrioid adenocarcinoma. <i>Human Pathology</i> , 2017, 67, 69-77.	2.0	34

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37	Inhibin Is a Novel Paracrine Factor for Tumor Angiogenesis and Metastasis. <i>Cancer Research</i> , 2018, 78, 2978-2989.	0.9	32
38	The Mitochondrial Ca ²⁺ uniporter is a central regulator of interorganellar Ca ²⁺ transfer and NFAT activation. <i>Journal of Biological Chemistry</i> , 2021, 297, 101174.	3.4	30
39	Chemically Modified Dendritic Starch: A Novel Nanomaterial for siRNA Delivery. <i>Bioconjugate Chemistry</i> , 2015, 26, 1766-1774.	3.6	29
40	Redox-control of the alarmin, Interleukin-1 β . <i>Redox Biology</i> , 2013, 1, 218-225.	9.0	28
41	Acquisition of the Metastatic Phenotype Is Accompanied by H ₂ O ₂ -Dependent Activation of the p130Cas Signaling Complex. <i>Molecular Cancer Research</i> , 2013, 11, 303-312.	3.4	26
42	Intracellular redox status controls membrane localization of pro- and anti-migratory signaling molecules. <i>Redox Biology</i> , 2014, 2, 245-250.	9.0	23
43	Site-Directed Mutagenesis of the Substrate-Binding Cleft of Human Estrogen Sulfotransferase. <i>Biochemical and Biophysical Research Communications</i> , 2000, 276, 224-230.	2.1	18
44	Human SULT1A Genes: Cloning and Activity Assays of the SULT1A Promoters. <i>Methods in Enzymology</i> , 2005, 400, 147-165.	1.0	18
45	Cationic dendritic starch as a vehicle for photodynamic therapy and siRNA co-delivery. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 168, 185-192.	3.8	13
46	Emerging perspectives on growth factor metabolic relationships in the ovarian cancer ascites environment. <i>Seminars in Cancer Biology</i> , 2022, 86, 709-719.	9.6	12
47	Hypoxia-induced inhibin promotes tumor growth and vascular permeability in ovarian cancers. <i>Communications Biology</i> , 2022, 5, .	4.4	7
48	PVT1 is a stress-responsive lncRNA that drives ovarian cancer metastasis and chemoresistance. <i>Life Science Alliance</i> , 2022, 5, e202201370.	2.8	7
49	Metastatic bladder cancer cells distinctively sense and respond to physical cues of collagen fibril-mimetic nanotopography. <i>Experimental Biology and Medicine</i> , 2015, 240, 601-610.	2.4	6
50	HuR-dependent SOD2 protein synthesis is an early adaptation to anchorage-independence. <i>Redox Biology</i> , 2022, 53, 102329.	9.0	6
51	Antisense oligonucleotide-mediated knockdown of Mpl3 attenuates the negative metabolic effects of diet-induced obesity in mice. <i>Physiological Reports</i> , 2021, 9, e14853.	1.7	5
52	Optimization of Extracellular Flux Assay to Measure Respiration of Anchorage-independent Tumor Cell Spheroids. <i>Bio-protocol</i> , 2022, 12, e4321.	0.4	4
53	Regulation of the Cellular Redox Environment by Superoxide Dismutases, Catalase, and Glutathione Peroxidases During Tumor Metastasis. <i>Oxidative Stress in Applied Basic Research and Clinical Practice</i> , 2016, , 51-79.	0.4	1
54	A Novel Tumor Model for the Characterization of Ovarian Cancer Spheroids. <i>Free Radical Biology and Medicine</i> , 2012, 53, S52.	2.9	0

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55	Respiratory Control of Redox Signaling and Cancer. , 2009, , 33-44.		0
56	Abstract 1440: Mitochondrial superoxide dismutase (Sod2) modulates ovarian clear cell carcinoma transcoelomic metastatic pathway. , 2015, , .		0
57	Abstract A12: Regulation of the mitochondrial stress response and metabolism by the intraperitoneal tumor environment during ovarian cancer transcoelomic metastasis. , 2016, , .		0