

Thomas Klonisch

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

4,235
citations

109321

35
h-index

128289

60
g-index

92
all docs

92
docs citations

92
times ranked

6694
citing authors

#	ARTICLE	IF	CITATIONS
1	Cancer stem cell markers in common cancers – therapeutic implications. Trends in Molecular Medicine, 2008, 14, 450-460.	6.7	353
2	Glioblastoma and chemoresistance to alkylating agents: Involvement of apoptosis, autophagy, and unfolded protein response. , 2018, 184, 13-41.		230
3	S100A8/A9 induces autophagy and apoptosis via ROS-mediated cross-talk between mitochondria and lysosomes that involves BNIP3. Cell Research, 2010, 20, 314-331.	12.0	198
4	Molecular and genetic regulation of testis descent and external genitalia development. Developmental Biology, 2004, 270, 1-18.	2.0	174
5	Autophagy is a regulator of TGF- β 1-induced fibrogenesis in primary human atrial myofibroblasts. Cell Death and Disease, 2015, 6, e1696-e1696.	6.3	166
6	Brevinin ² selectively kills cancer cells by a distinct mechanism, which involves the lysosomal-mitochondrial death pathway. Journal of Cellular and Molecular Medicine, 2008, 12, 1005-1022.	3.6	151
7	New frontiers in the treatment of colorectal cancer: Autophagy and the unfolded protein response as promising targets. Autophagy, 2017, 13, 781-819.	9.1	117
8	Mevalonate Cascade Inhibition by Simvastatin Induces the Intrinsic Apoptosis Pathway via Depletion of Isoprenoids in Tumor Cells. Scientific Reports, 2017, 7, 44841.	3.3	105
9	Autophagy and the unfolded protein response promote profibrotic effects of TGF- β 1 in human lung fibroblasts. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 314, L493-L504.	2.9	100
10	Photodynamic N-TiO ₂ Nanoparticle Treatment Induces Controlled ROS-mediated Autophagy and Terminal Differentiation of Leukemia Cells. Scientific Reports, 2016, 6, 34413.	3.3	88
11	Relaxin-like peptides in cancer. International Journal of Cancer, 2003, 107, 513-519.	5.1	84
12	Simvastatin increases temozolomide-induced cell death by targeting the fusion of autophagosomes and lysosomes. FEBS Journal, 2020, 287, 1005-1034.	4.7	84
13	Autophagy modulates transforming growth factor beta 1 induced epithelial to mesenchymal transition in non-small cell lung cancer cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 749-768.	4.1	83
14	Mevalonate Cascade Regulation of Airway Mesenchymal Cell Autophagy and Apoptosis: A Dual Role for p53. PLoS ONE, 2011, 6, e16523.	2.5	81
15	Suppression of influenza A virus replication in human lung epithelial cells by noncytotoxic concentrations bafilomycin A1. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L270-L286.	2.9	77
16	HMGA2 exhibits dRP/AP site cleavage activity and protects cancer cells from DNA-damage-induced cytotoxicity during chemotherapy. Nucleic Acids Research, 2009, 37, 4371-4384.	14.5	73
17	Airway mesenchymal cell death by mevalonate cascade inhibition: Integration of autophagy, unfolded protein response and apoptosis focusing on Bcl2 family proteins. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 1259-1271.	4.1	70
18	Statin-triggered cell death in primary human lung mesenchymal cells involves p53-PUMA and release of Smac and Omi but not cytochrome c. Biochimica Et Biophysica Acta - Molecular Cell Research, 2010, 1803, 452-467.	4.1	68

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19	C1q/TNF-related protein 6 (CTRP6) links obesity to adipose tissue inflammation and insulin resistance. <i>Journal of Biological Chemistry</i> , 2017, 292, 14836-14850.	3.4	67
20	Wnt and PI3K/Akt/mTOR Survival Pathways as Therapeutic Targets in Glioblastoma. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1353.	4.1	67
21	Cancer stem cells, cancer-initiating cells and methods for their detection. <i>Drug Discovery Today</i> , 2016, 21, 836-842.	6.4	66
22	Suppression of relaxin receptor RXFP1 decreases prostate cancer growth and metastasis. <i>Endocrine-Related Cancer</i> , 2010, 17, 1021-1033.	3.1	63
23	Relaxin Enhances the Oncogenic Potential of Human Thyroid Carcinoma Cells. <i>American Journal of Pathology</i> , 2006, 169, 617-632.	3.8	62
24	Fetal-maternal exchange of multipotent stem/progenitor cells: microchimerism in diagnosis and disease. <i>Trends in Molecular Medicine</i> , 2009, 15, 510-518.	6.7	60
25	Geranylgeranyl transferase 1 modulates autophagy and apoptosis in human airway smooth muscle. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2012, 302, L420-L428.	2.9	58
26	Role of BNIP3 in TNF-induced cell death - TNF upregulates BNIP3 expression. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009, 1793, 546-560.	4.1	57
27	Inhibition of autophagy inhibits the conversion of cardiac fibroblasts to cardiac myofibroblasts. <i>Oncotarget</i> , 2016, 7, 78516-78531.	1.8	52
28	β -Dystroglycan binds caveolin-1 in smooth muscle: a functional role in caveolae distribution and Ca ²⁺ release. <i>Journal of Cell Science</i> , 2010, 123, 3061-3070.	2.0	51
29	HMGA2 Inhibits Apoptosis through Interaction with ATR-CHK1 Signaling Complex in Human Cancer Cells. <i>Neoplasia</i> , 2013, 15, 263-IN13.	5.3	51
30	Nuclear localized Akt enhances breast cancer stem-like cells through counter-regulation of p21 ^{Waf1/Cip1} and p27 ^{kip1} . <i>Cell Cycle</i> , 2015, 14, 2109-2120.	2.6	49
31	Developmental Expression and Gene Regulation of Insulin-like 3 Receptor RXFP2 in Mouse Male Reproductive Organs. <i>Biology of Reproduction</i> , 2007, 77, 671-680.	2.7	47
32	Three-dimensional Nuclear Telomere Architecture Is Associated with Differential Time to Progression and Overall Survival in Glioblastoma Patients. <i>Neoplasia</i> , 2010, 12, 183-191.	5.3	46
33	Thyroid Stem Cells and Cancer. <i>Thyroid</i> , 2009, 19, 1303-1315.	4.5	45
34	Relaxin-like factor (RLF) is differentially expressed in the normal and neoplastic human mammary gland. <i>Cancer</i> , 2000, 89, 2161-2168.	4.1	44
35	Human cathelicidin LL-37-derived peptide IG-19 confers protection in a murine model of collagen-induced arthritis. <i>Molecular Immunology</i> , 2014, 57, 86-92.	2.2	41
36	Autophagy regulates trans fatty acid-mediated apoptosis in primary cardiac myofibroblasts. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 2274-2286.	4.1	39

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37	Relaxin Enhances the Collagenolytic Activity and <i>In Vitro</i> Invasiveness by Upregulating Matrix Metalloproteinases in Human Thyroid Carcinoma Cells. <i>Molecular Cancer Research</i> , 2011, 9, 673-687.	3.4	35
38	INSL3 has tumor-promoting activity in thyroid cancer. <i>International Journal of Cancer</i> , 2010, 127, 521-531.	5.1	34
39	A radial microfluidic platform for higher throughput chemotaxis studies with individual gradient control. <i>Lab on A Chip</i> , 2018, 18, 3855-3864.	6.0	34
40	The roe deer as a model for studying seasonal regulation of testis function. <i>Journal of Developmental and Physical Disabilities</i> , 2006, 29, 122-128.	3.6	33
41	C1q-related protein 8 (CTRP8) is a novel interaction partner of relaxin receptor RXFP1 in human brain cancer cells. <i>Journal of Pathology</i> , 2013, 231, 466-479.	4.5	33
42	Chaperoning HMGA2 Protein Protects Stalled Replication Forks in Stem and Cancer Cells. <i>Cell Reports</i> , 2014, 6, 684-697.	6.4	33
43	Relaxin-Like Ligand-Receptor Systems Are Autocrine/Paracrine Effectors in Tumor Cells and Modulate Cancer Progression and Tissue Invasiveness. <i>Advances in Experimental Medicine and Biology</i> , 2007, 612, 104-118.	1.6	32
44	Prognostic Nomograms To Predict Oncological Outcome of Thyroid Cancers. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 4768-4775.	3.6	32
45	Epidermal Growth Factor-Like Ligands and erbB Genes in the Peri-Implantation Rabbit Uterus and Blastocyst. <i>Biology of Reproduction</i> , 2001, 64, 1835-1844.	2.7	31
46	Mechanisms of Therapeutic Resistance in Cancer (Stem) Cells with Emphasis on Thyroid Cancer Cells. <i>Frontiers in Endocrinology</i> , 2014, 5, 37.	3.5	31
47	PDK2-mediated alternative splicing switches Bnip3 from cell death to cell survival. <i>Journal of Cell Biology</i> , 2015, 210, 1101-1115.	5.2	31
48	Biodistribution of negatively charged iron oxide nanoparticles (IONPs) in mice and enhanced brain delivery using lysophosphatidic acid (LPA). <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 1775-1784.	3.3	31
49	Canine Relaxin-Like Factor: Unique Molecular Structure and Differential Expression Within Reproductive Tissues of the Dog. <i>Biology of Reproduction</i> , 2001, 64, 442-450.	2.7	30
50	INSL3 Ligand-Receptor System in the Equine Testis. <i>Biology of Reproduction</i> , 2003, 68, 1975-1981.	2.7	30
51	RAGE Mediates the Pro-Migratory Response of Extracellular S100A4 in Human Thyroid Cancer Cells. <i>Thyroid</i> , 2015, 25, 514-527.	4.5	28
52	FDG-PET characteristics of H ¹²⁵ I-thyrotropin-releasing hormone cell and follicular adenomas. <i>Annals of Nuclear Medicine</i> , 2016, 30, 506-509.	2.2	27
53	Structural commonality of C1q TNF-related proteins and their potential to activate relaxin/insulin-like family peptide receptor 1 signalling pathways in cancer cells. <i>British Journal of Pharmacology</i> , 2017, 174, 1025-1033.	5.4	27
54	Statins: A New Approach to Combat Temozolomide Chemoresistance in Glioblastoma. <i>Journal of Investigative Medicine</i> , 2018, 66, 1083-1087.	1.6	27

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55	Investigations on T cell transmigration in a human skin-on-chip (SoC) model. <i>Lab on A Chip</i> , 2021, 21, 1527-1539.	6.0	27
56	EGF receptor inhibitors in the treatment of glioblastoma multiform: Old clinical allies and newly emerging therapeutic concepts. <i>European Journal of Pharmacology</i> , 2009, 625, 23-30.	3.5	25
57	Dovitinib enhances temozolomide efficacy in glioblastoma cells. <i>Molecular Oncology</i> , 2017, 11, 1078-1098.	4.6	21
58	Maternal smoking and high BMI disrupt thyroid gland development. <i>BMC Medicine</i> , 2018, 16, 194.	5.5	21
59	Inhibitor of DNA Binding 2 Inhibits Epithelial-Mesenchymal Transition via Up-Regulation of Notch3 in Breast Cancer. <i>Translational Oncology</i> , 2018, 11, 1259-1270.	3.7	21
60	HMGA2 as a functional antagonist of PARP1 inhibitors in tumor cells. <i>Molecular Oncology</i> , 2019, 13, 153-170.	4.6	19
61	Platinum (IV) coiled coil nanotubes selectively kill human glioblastoma cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 913-925.	3.3	17
62	C1q/TNFR-related peptide 8 (CTRP8) promotes temozolomide resistance in human glioblastoma. <i>Molecular Oncology</i> , 2018, 12, 1464-1479.	4.6	17
63	The Cytoplasmic Domain of proEGF Negatively Regulates Motility and Elastolytic Activity in Thyroid Carcinoma Cells. <i>Neoplasia</i> , 2008, 10, 1120-IN7.	5.3	16
64	RXFP1 is Targeted by Complement C1q Tumor Necrosis Factor-Related Factor 8 in Brain Cancer. <i>Frontiers in Endocrinology</i> , 2015, 6, 127.	3.5	16
65	Claudin 1 Is Highly Upregulated by PKC in MCF7 Human Breast Cancer Cells and Correlates Positively with PKC μ in Patient Biopsies. <i>Translational Oncology</i> , 2019, 12, 561-575.	3.7	16
66	Emerging roles for the relaxin/RXFP1 system in cancer therapy. <i>Molecular and Cellular Endocrinology</i> , 2019, 487, 85-93.	3.2	16
67	High Mobility Group A2 protects cancer cells against telomere dysfunction. <i>Oncotarget</i> , 2016, 7, 12761-12782.	1.8	16
68	Nuclear imaging in three dimensions: A unique tool in cancer research. <i>Annals of Anatomy</i> , 2010, 192, 292-301.	1.9	14
69	Pelota Regulates Epidermal Differentiation by Modulating BMP and PI3K/AKT Signaling Pathways. <i>Journal of Investigative Dermatology</i> , 2016, 136, 1664-1671.	0.7	14
70	Lysosomal Acid Hydrolases of the Cathepsin Family Are Novel Targets of INSL3 in Human Thyroid Carcinoma Cells. <i>Annals of the New York Academy of Sciences</i> , 2009, 1160, 361-366.	3.8	13
71	Characterization of GPCRs in extracellular vesicle (EV). <i>Methods in Cell Biology</i> , 2017, 142, 119-132.	1.1	13
72	Novel CTRP8/RXFP1/JAK3/STAT3 axis promotes Cdc42-dependent actin remodeling for enhanced filopodia formation and motility in human glioblastoma cells. <i>Molecular Oncology</i> , 2022, 16, 368-387.	4.6	13

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73	A prospective cohort study to assess the role of FDG-PET in differentiating benign and malignant follicular neoplasms. <i>Annals of Medicine and Surgery</i> , 2016, 12, 27-31.	1.1	12
74	Simple, Hackable, Size-Selective, Amine-Functionalized Fe-Oxide Nanoparticles for Biomedical Applications. <i>Langmuir</i> , 2018, 34, 2748-2757.	3.5	11
75	Characterization of the dystrophin-glycoprotein complex in airway smooth muscle: role of Î-sarcoglycan in airway responsiveness. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015, 93, 195-202.	1.4	9
76	INSL3 in the benign hyperplastic and neoplastic human prostate gland. <i>International Journal of Oncology</i> , 2005, 27, 307-15.	3.3	9
77	Three-Dimensional Telomere Dynamics in Follicular Thyroid Cancer. <i>Thyroid</i> , 2014, 24, 296-304.	4.5	8
78	Membrane potential differences and GABA _A receptor expression in hepatic tumor and non-tumor stem cells. <i>Canadian Journal of Physiology and Pharmacology</i> , 2014, 92, 85-91.	1.4	7
79	Zika Infection Disrupts Proteins Involved in the Neurosensory System. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 571.	3.7	7
80	Dynamics of three-dimensional telomere profiles of circulating tumor cells in patients with high-risk prostate cancer who are undergoing androgen deprivation and radiation therapies. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2017, 35, 112.e1-112.e11.	1.6	6
81	Ubiquitin C-terminal hydrolase isozyme L1 is associated with shelterin complex at interstitial telomeric sites. <i>Epigenetics and Chromatin</i> , 2017, 10, 54.	3.9	6
82	Slow Off-Rate Modified Aptamer (SOMAmer) Proteomic Analysis of Patient-Derived Malignant Glioma Identifies Distinct Cellular Proteomes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9566.	4.1	6
83	The C-terminal cytoplasmic domain of human proEGF is a negative modulator of body and organ weights in transgenic mice. <i>FEBS Letters</i> , 2009, 583, 1349-1357.	2.8	3
84	Population-based analysis of breast cancer treatment by intrinsic sub-type in Manitoba, Canada. <i>Cancer Epidemiology</i> , 2016, 45, 82-90.	1.9	3
85	Betacellulin transgenic mice develop urothelial hyperplasia and show sex-dependent reduction in urinary major urinary protein content. <i>Experimental and Molecular Pathology</i> , 2015, 99, 33-38.	2.1	2
86	The role of 3D printing in teaching and education in human skeletal anatomy. <i>FASEB Journal</i> , 2009, 23, 479.1.	0.5	2
87	Inhibition of Autophagy by Mevalonate Pathway Inhibitors, a New Therapeutic Approach to sensitize Glioblastoma Cells to Temozolomide Induced Apoptosis. <i>FASEB Journal</i> , 2018, 32, 533.41.	0.5	2
88	Editorial to the mini-review series on relaxin, related peptides and receptors?. <i>Molecular and Cellular Endocrinology</i> , 2019, 487, 1.	3.2	0
89	C1Q–TNF-related peptide 8 (CTRP8) in human prostate cancer. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
90	Transferrin-mediated apoptosis is regulated by autophagy in primary cardiac myofibroblasts. <i>FASEB Journal</i> , 2012, 26, .	0.5	0

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91	HMGA2 inhibits apoptosis through interaction with ATR/CHK1 signaling complex in human cancer cells. FASEB Journal, 2013, 27, 471.2.	0.5	0