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List of Publications by Year
in descending order

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78 papers	8,203 citations	109321 35 h-index	66911 78 g-index
80 all docs	80 docs citations	80 times ranked	17800 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Metabolic reprogramming of cancer-associated fibroblasts by TGF-Î² drives tumor growth: Connecting TGF-Î² signaling with â€œWarburg-likeâ€•cancer metabolism and L-lactate production. Cell Cycle, 2012, 11, 3019-3035.	2.6	249
3	Estrogen Receptor (ER)Î± and ERÎ² Are Both Expressed in Human Ejaculated Spermatozoa: Evidence of Their Direct Interaction with Phosphatidylinositol-3-OH Kinase/Akt Pathway. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 1443-1451.	3.6	165
4	Estrogen Receptor Î± Binds to Peroxisome Proliferatorâ€“Activated Receptor Response Element and Negatively Interferes with Peroxisome Proliferatorâ€“Activated Receptor Î³ Signaling in Breast Cancer Cells. Clinical Cancer Research, 2005, 11, 6139-6147.	7.0	136
5	Epidermal Growth Factor Induces G Protein-Coupled Receptor 30 Expression in Estrogen Receptor-Negative Breast Cancer Cells. Endocrinology, 2008, 149, 3799-3808.	2.8	131
6	G Protein-Coupled Receptor 30 Expression Is Up-Regulated by EGF and TGFÎ± in Estrogen Receptor Î±-Positive Cancer Cells. Molecular Endocrinology, 2009, 23, 1815-1826.	3.7	121
7	Leptin Secretion by Human Ejaculated Spermatozoa. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 4753-4761.	3.6	112
8	Omegaâ€3 PUFA ethanolamides DHEA and EPEA induce autophagy through PPARÎ³ activation in MCFâ€7 breast cancer cells. Journal of Cellular Physiology, 2013, 228, 1314-1322.	4.1	107
9	Autocrine Regulation of Insulin Secretion in Human Ejaculated Spermatozoa. Endocrinology, 2005, 146, 552-557.	2.8	103
10	The Role of Oxidative Stress and Autophagy in Atherosclerosis. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-10.	4.0	103
11	Human male gamete endocrinology: 1alpha, 25-dihydroxyvitamin D3 (1,25(OH)2D3) regulates different aspects of human sperm biology and metabolism. Reproductive Biology and Endocrinology, 2009, 7, 140.	3.3	101
12	Human Ejaculated Spermatozoa Contain Active P450 Aromatase. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 3385-3390.	3.6	99
13	Peroxisome Proliferator-Activated Receptor-Î³ Activates p53 Gene Promoter Binding to the Nuclear Factor-ÎºB Sequence in Human MCF7 Breast Cancer Cells. Molecular Endocrinology, 2006, 20, 3083-3092.	3.7	87
14	Human sperm express a functional androgen receptor: effects on PI3K/AKT pathway. Human Reproduction, 2007, 22, 2594-2605.	0.9	81
15	Human sperm anatomy: ultrastructural localization of 1Î±,25â€dihydroxyvitamin D₃ receptor and its possible role in the human male gamete. Journal of Anatomy, 2008, 213, 555-564.	1.5	75
16	The estrogen receptor Î± is the key regulator of the bifunctional role of FoxO3a transcription factor in breast cancer motility and invasiveness. Cell Cycle, 2013, 12, 3405-3420.	2.6	70
17	Estrogen receptor beta (ERÎ²) produces autophagy and necroptosis in human seminoma cell line through the binding of the Sp1 on the phosphatase and tensin homolog deleted from chromosome 10 (PTEN) promoter gene. Cell Cycle, 2012, 11, 2911-2921.	2.6	67
18	Peroxisome proliferator-activated receptor (PPAR)Î³ is expressed by human spermatozoa: Its potential role on the sperm physiology. Journal of Cellular Physiology, 2006, 209, 977-986.	4.1	63

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19	Towards a physiological role for cytochrome P450 aromatase in ejaculated human sperm. Human Reproduction, 2003, 18, 1650-1659.	0.9	61
20	Peroxisome proliferator-activated receptor gamma activates fas ligand gene promoter inducing apoptosis in human breast cancer cells. Breast Cancer Research and Treatment, 2009, 113, 423-434.	2.5	60
21	The nuclear localization signal is required for nuclear GPER translocation and function in breast Cancer-Associated Fibroblasts (CAFs). Molecular and Cellular Endocrinology, 2013, 376, 23-32.	3.2	59
22	Human sperm physiology: Estrogen receptor alpha (ERÎ±) and estrogen receptor beta (ERÎ²) influence sperm metabolism and may be involved in the pathophysiology of varicocele-associated male infertility. Journal of Cellular Physiology, 2011, 226, 3403-3412.	4.1	57
23	Human Sperm Anatomy: Ultrastructural Localization of the Cannabinoid1 Receptor and a Potential Role of Anandamide in Sperm Survival and Acrosome Reaction. Anatomical Record, 2010, 293, 298-309.	1.4	56
24	Leptin and leptin receptor in pig spermatozoa: evidence of their involvement in sperm capacitation and survival. Reproduction, 2008, 136, 23-32.	2.6	52
25	In vitro mechanism for downregulation of <scp>ER</scp> â€Î± expression by epigallocatechin gallate in <scp>ER</scp> +/ <scp>PR</scp> + human breast cancer cells. Molecular Nutrition and Food Research, 2013, 57, 840-853.	3.3	52
26	Bergapten drives autophagy through the up-regulation of PTEN expression in breast cancer cells. Molecular Cancer, 2015, 14, 130.	19.2	50
27	The Tumor Suppressor PTEN as Molecular Switch Node Regulating Cell Metabolism and Autophagy: Implications in Immune System and Tumor Microenvironment. Cells, 2020, 9, 1725.	4.1	50
28	Arguments raised by the recent discovery that insulin and leptin are expressed in and secreted by human ejaculated spermatozoa. Molecular and Cellular Endocrinology, 2005, 245, 1-6.	3.2	48
29	Cytochrome P450arom, androgen and estrogen receptors in pig sperm. Reproductive Biology and Endocrinology, 2007, 5, 23.	3.3	46
30	Epigallocatechin gallate inhibits growth and epithelialâ€toâ€mesenchymal transition in human thyroid carcinoma cell lines. Journal of Cellular Physiology, 2013, 228, 2054-2062.	4.1	45
31	Steroid receptors and their ligands: Effects on male gamete functions. Experimental Cell Research, 2014, 328, 303-313.	2.6	43
32	Epigallocatechin gallate affects survival and metabolism of human sperm. Molecular Nutrition and Food Research, 2012, 56, 1655-1664.	3.3	42
33	HIF-1Î± and VEGF: Immunohistochemical Profile and Possible Function in Human Aortic Valve Stenosis. Ultrastructural Pathology, 2015, 39, 198-206.	0.9	42
34	Exosomes in human atherosclerosis: An ultrastructural analysis study. Ultrastructural Pathology, 2016, 40, 101-106.	0.9	38
35	17Î²-Estradiol enhances Î±5 integrin subunit gene expression through ERÎ±â€“Sp1 interaction and reduces cell motility and invasion of ERÎ±-positive breast cancer cells. Breast Cancer Research and Treatment, 2010, 124, 63-77.	2.5	37
36	A new role of anandamide in human sperm: Focus on metabolism. Journal of Cellular Physiology, 2009, 221, 147-153.	4.1	36

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37	The Mitochondrial Citrate Carrier (CIC) Is Present and Regulates Insulin Secretion by Human Male Gamete. Endocrinology, 2012, 153, 1743-1754.	2.8	36
38	Bergapten induces metabolic reprogramming in breast cancer cells. Oncology Reports, 2016, 35, 568-576.	2.6	35
39	Fibronectin and type IV collagen activate ERÎ± AF-1 by c-Src pathway: effect on breast cancer cell motility. Oncogene, 2004, 23, 8920-8930.	5.9	34
40	Breast cancer cell survival signal is affected by bergapten combined with an ultraviolet irradiation. FEBS Letters, 2010, 584, 2321-2326.	2.8	34
41	Detection of estrogen receptors ER-alpha and ER-beta in human ejaculated immature spermatozoa with excess residual cytoplasm. Reproductive Biology and Endocrinology, 2006, 4, 36.	3.3	33
42	A novel functional interplay between Progesterone Receptorâ€Β and <scp>PTEN</scp>,ÂviaÂ<scp>AKT</scp>, modulates autophagy in breast cancer cells. Journal of Cellular and Molecular Medicine, 2014, 18, 2252-2265.	3.6	32
43	Influence of allâ€trans retinoic acid on sperm metabolism and oxidative stress: Its involvement in the physiopathology of varicoceleâ€associated male infertility. Journal of Cellular Physiology, 2018, 233, 9526-9537.	4.1	32
44	Human Ejaculated Spermatozoa Contain Active P450 Aromatase. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 3385-3390.	3.6	32
45	Nitric oxide involvement in the acrosome reaction triggered by leptin in pig sperm. Reproductive Biology and Endocrinology, 2011, 9, 133.	3.3	28
46	Leptin and Its Receptor Are Expressed in the Testis and in the Epididymis of Young and Adult Pigs. Anatomical Record, 2009, 292, 736-745.	1.4	24
47	Sperm metabolism in pig: a role for peroxisome proliferator-activated receptor (PPAR)Î³. Journal of Experimental Biology, 2013, 216, 1085-92.	1.7	24
48	Evidence that low doses of Taxol enhance the functional transactivatory properties of p53 on p21 waf promoter in MCF-7 breast cancer cells. FEBS Letters, 2006, 580, 2371-2380.	2.8	23
49	Matrix Metalloproteinase-9 Expression in Calcified Human Aortic Valves. Applied Immunohistochemistry and Molecular Morphology, 2016, 24, 128-137.	1.2	22
50	T3 enhances thyroid cancer cell proliferation through TRÎ²1/Oct-1-mediated cyclin D1 activation. Molecular and Cellular Endocrinology, 2014, 382, 205-217.	3.2	20
51	Androgens Inhibit Aromatase Expression Through DAX-1: Insights Into the Molecular Link Between Hormone Balance and Leydig Cancer Development. Endocrinology, 2015, 156, 1251-1262.	2.8	20
52	Ligand activated progesterone receptor B drives autophagy-senescence transition through a Beclin-1/Bcl-2 dependent mechanism in human breast cancer cells. Oncotarget, 2016, 7, 57955-57969.	1.8	20
53	Macrophage Autophagy and Oxidative Stress: An Ultrastructural and Immunoelectron Microscopical Study. Oxidative Medicine and Cellular Longevity, 2011, 2011, 1-8.	4.0	19
54	Estradiol via estrogen receptor beta influences ROS levels through the transcriptional regulation of SIRT3 in human seminoma TCam-2 cells. Tumor Biology, 2017, 39, 101042831770164.	1.8	19

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55	FoxO3a Mediates the Inhibitory Effects of the Antiepileptic Drug Lamotrigine on Breast Cancer Growth. Molecular Cancer Research, 2018, 16, 923-934.	3.4	19
56	Progesterone Receptor B signaling Reduces Breast Cancer Cell Aggressiveness: Role of Cyclin-D1/Cdk4 Mediating Paxillin Phosphorylation. Cancers, 2019, 11, 1201.	3.7	19
57	Human sperm anatomy and endocrinology in varicocele: role of androgen receptor. Reproduction, 2014, 147, 589-598.	2.6	18
58	Androgens downregulate miR-21 expression in breast cancer cells underlining the protective role of androgen receptor. Oncotarget, 2016, 7, 12651-12661.	1.8	17
59	Red wine consumption may affect sperm biology: The effects of different concentrations of the phytoestrogen Myricetin on human male gamete function. Molecular Reproduction and Development, 2013, 80, 155-165.	2.0	16
60	Human Sperm Anatomy: Different Expression and Localization of Phosphatidylinositol 3-Kinase in Normal and Varicocele Human Spermatozoa. Ultrastructural Pathology, 2013, 37, 176-182.	0.9	15
61	Glucagonâ€like peptideâ€1 receptor is expressed in human and rodent testis. Andrology, 2020, 8, 1935-1945.	3.5	15
62	Human Sperm Express the Receptor for Glucagon-like Peptide-1 (GLP-1), Which Affects Sperm Function and Metabolism. Endocrinology, 2020, 161, .	2.8	15
63	Low calcium intake is associated with decreased adrenal androgens and reduced bone age in premenarcheal girls in the last pubertal stages. Journal of Bone and Mineral Metabolism, 2004, 22, 64-70.	2.7	14
64	Human sperm molecular anatomy: the enzyme 5Î±-reductase (SRD5A) is present in the sperm and may be involved in the varicocele-related infertility. Histochemistry and Cell Biology, 2015, 144, 67-76.	1.7	14
65	Peroxisome proliferator-activated receptor gamma expression along the male genital system and its role in male fertility. Human Reproduction, 2020, 35, 2072-2085.	0.9	14
66	Sperm performance in oligoasthenoteratozoospermic patients is induced by a nutraceuticals mix, containing mainly myo-inositol. Systems Biology in Reproductive Medicine, 2021, 67, 50-63.	2.1	14
67	Leptin Receptor as a Potential Target to Inhibit Human Testicular Seminoma Growth. American Journal of Pathology, 2019, 189, 687-698.	3.8	13
68	Recombinant Arabidopsis HSP70 Sustains Cell Survival and Metastatic Potential of Breast Cancer Cells. Molecular Cancer Therapeutics, 2016, 15, 1063-1073.	4.1	11
69	Cytochrome P450 aromatase expression in human seminoma. Reproductive Biology and Endocrinology, 2005, 3, 72.	3.3	10
70	Expression and Subcellular Localization of Retinoic Acid Receptor-Î± (RARÎ±) in Healthy and Varicocele Human Spermatozoa. Applied Immunohistochemistry and Molecular Morphology, 2015, 23, 374-381.	1.2	8
71	Human sperm liver receptor homologâ€1 (<scp>LRH</scp>â€1) acts as a downstream target of the estrogen signaling pathway. Journal of Anatomy, 2015, 227, 541-549.	1.5	8
72	Insulin affects sperm capacity in pig through nitric oxide. Asian Journal of Andrology, 2013, 15, 835-837.	1.6	6

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73	Internal Mammary Artery Atherosclerosis: An Ultrastructural Study of Two Cases. Ultrastructural Pathology, 2014, 38, 199-203.	0.9	6
74	FSH-R Human Early Male Genital Tract, Testicular Tumors and Sperm: Its Involvement in Testicular Disorders. Life, 2020, 10, 336.	2.4	6
75	Expression Profile and Subcellular Localization of GAPDH in the Smooth Muscle Cells of Human Atherosclerotic Plaque: An Immunohistochemical and Ultrastructural Study with Biological Therapeutic Perspectives. Microscopy and Microanalysis, 2014, 20, 1145-1157.	0.4	5
76	Ultrastructure of Popliteal Vein Aneurysm. Ultrastructural Pathology, 2011, 35, 197-203.	0.9	3
77	Immunolocalization of G Proteinâ€Coupled Estrogen Receptor in the Pig Epididymis. Anatomical Record, 2018, 301, 1467-1473.	1.4	3
78	Steroid receptors in human ejaculated sperm as molecular markers of the detrimental effects related to the pathophysiology of testicular varicocele. Histology and Histopathology, 2016, 31, 819-31.	0.7	1