

Weiliang Xia

List of Publications by Citations

Source: <https://exaly.com/author-pdf/11004222/weiliang-xia-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

43
papers

6,687
citations

28
h-index

43
g-index

43
ext. papers

7,540
ext. citations

6.7
avg, IF

4.95
L-index

#	Paper	IF	Citations
43	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
42	Hyaluronan-CD44 interaction activates stem cell marker Nanog, Stat-3-mediated MDR1 gene expression, and ankyrin-regulated multidrug efflux in breast and ovarian tumor cells. <i>Journal of Biological Chemistry</i> , 2008 , 283, 17635-51	5.4	318
41	Hyaluronan-CD44 interaction with protein kinase C(epsilon) promotes oncogenic signaling by the stem cell marker Nanog and the Production of microRNA-21, leading to down-regulation of the tumor suppressor protein PDCD4, anti-apoptosis, and chemotherapy resistance in breast tumor cells. <i>Journal of Biological Chemistry</i> , 2009 , 284, 24722-31	5.4	244
40	A mesoporous silica nanoparticle--PEI--fusogenic peptide system for siRNA delivery in cancer therapy. <i>Biomaterials</i> , 2013 , 34, 1391-401	15.6	182
39	Tumor necrosis factor {alpha} reversibly disrupts the blood-testis barrier and impairs Sertoli-germ cell adhesion in the seminiferous epithelium of adult rat testes. <i>Journal of Endocrinology</i> , 2006 , 190, 313-29	4.7	162
38	The packaging of siRNA within the mesoporous structure of silica nanoparticles. <i>Biomaterials</i> , 2011 , 32, 9546-56	15.6	158
37	Hyaluronan-mediated CD44 interaction with p300 and SIRT1 regulates beta-catenin signaling and NFkappaB-specific transcription activity leading to MDR1 and Bcl-xL gene expression and chemoresistance in breast tumor cells. <i>Journal of Biological Chemistry</i> , 2009 , 284, 2657-2671	5.4	143
36	CD44 variant isoforms in head and neck squamous cell carcinoma progression. <i>Laryngoscope</i> , 2009 , 119, 1518-30	3.6	136
35	TGF-beta3 and TNFalpha perturb blood-testis barrier (BTB) dynamics by accelerating the clathrin-mediated endocytosis of integral membrane proteins: a new concept of BTB regulation during spermatogenesis. <i>Developmental Biology</i> , 2009 , 327, 48-61	3.1	135
34	TGF-beta3 regulates anchoring junction dynamics in the seminiferous epithelium of the rat testis via the Ras/ERK signaling pathway: An in vivo study. <i>Developmental Biology</i> , 2005 , 280, 321-43	3.1	90
33	Regulation of ectoplasmic specialization dynamics in the seminiferous epithelium by focal adhesion-associated proteins in testosterone-suppressed rat testes. <i>Endocrinology</i> , 2005 , 146, 1192-204	4.8	88
32	Highly effective inhibition of lung cancer growth and metastasis by systemic delivery of siRNA via multimodal mesoporous silica-based nanocarrier. <i>Biomaterials</i> , 2014 , 35, 10058-69	15.6	85
31	Inhibition of SIRT6 in prostate cancer reduces cell viability and increases sensitivity to chemotherapeutics. <i>Protein and Cell</i> , 2013 , 4, 702-10	7.2	79
30	Regulation of Sertoli-germ cell adherens junction dynamics via changes in protein-protein interactions of the N-cadherin-beta-catenin protein complex which are possibly mediated by c-Src and myotubularin-related protein 2: an in vivo study using an androgen suppression model. <i>Endocrinology</i> , 2005 , 146, 1268-84	4.8	79
29	Differential interactions between transforming growth factor-beta3/TbetaR1, TAB1, and CD2AP disrupt blood-testis barrier and Sertoli-germ cell adhesion. <i>Journal of Biological Chemistry</i> , 2006 , 281, 16799-813	5.4	78
28	Interaction of low molecular weight hyaluronan with CD44 and toll-like receptors promotes the actin filament-associated protein 110-actin binding and MyD88-NFB signaling leading to proinflammatory cytokine/chemokine production and breast tumor invasion. <i>Cytoskeleton</i> , 2011 , 68, 671-93	2.4	75
27	Cytokines and junction restructuring during spermatogenesis--a lesson to learn from the testis. <i>Cytokine and Growth Factor Reviews</i> , 2005 , 16, 469-93	17.9	75

26	FGFR1-ERK1/2-SOX2 axis promotes cell proliferation, epithelial-mesenchymal transition, and metastasis in FGFR1-amplified lung cancer. <i>Oncogene</i> , 2018 , 37, 5340-5354	9.2	66
25	Inflammation in ischaemic brain injury: current advances and future perspectives. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2010 , 37, 253-8	3	57
24	Disruption of Sertoli-germ cell adhesion function in the seminiferous epithelium of the rat testis can be limited to adherens junctions without affecting the blood-testis barrier integrity: an in vivo study using an androgen suppression model. <i>Journal of Cellular Physiology</i> , 2005 , 205, 141-57	7	57
23	Delivering hydrophilic and hydrophobic chemotherapeutics simultaneously by magnetic mesoporous silica nanoparticles to inhibit cancer cells. <i>International Journal of Nanomedicine</i> , 2012 , 7, 999-1013	7.3	56
22	Roles of NAD(+) / NADH and NADP(+) / NADPH in cell death. <i>Current Pharmaceutical Design</i> , 2009 , 15, 12-9	3.3	53
21	Dynamin II interacts with the cadherin- and occludin-based protein complexes at the blood-testis barrier in adult rat testes. <i>Journal of Endocrinology</i> , 2006 , 191, 571-86	4.7	46
20	Combination delivery of Adjudin and Doxorubicin integrating drug conjugation and nanocarrier approaches for the treatment of drug-resistant cancer cells. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 1556-1564	7.3	43
19	C-type natriuretic peptide regulates blood-testis barrier dynamics in adult rat testes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 3841-6	11.5	43
18	Autophagy induction by SIRT6 is involved in oxidative stress-induced neuronal damage. <i>Protein and Cell</i> , 2016 , 7, 281-290	7.2	42
17	FGF2/FGFR1 regulates autophagy in FGFR1-amplified non-small cell lung cancer cells. <i>Journal of Experimental and Clinical Cancer Research</i> , 2017 , 36, 72	12.8	29
16	The β -integrin-p-FAK-p130Cas-DOCK180-RhoA-vinculin is a novel regulatory protein complex at the apical ectoplasmic specialization in adult rat testes. <i>Spermatogenesis</i> , 2011 , 1, 73-86		29
15	Unraveling the molecular targets pertinent to junction restructuring events during spermatogenesis using the Adjudin-induced germ cell depletion model. <i>Journal of Endocrinology</i> , 2007 , 192, 563-83	4.7	25
14	Male contraceptive Adjudin is a potential anti-cancer drug. <i>Biochemical Pharmacology</i> , 2013 , 85, 345-55	6	24
13	CD38 is a key enzyme for the survival of mouse microglial BV2 cells. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 418, 714-9	3.4	23
12	Thromboxane A2 Receptor Stimulation Enhances Microglial Interleukin-1 β and NO Biosynthesis Mediated by the Activation of ERK Pathway. <i>Frontiers in Aging Neuroscience</i> , 2016 , 8, 8	5.3	22
11	Rab4A GTPase catenin interactions are involved in cell junction dynamics in the testis. <i>Journal of Andrology</i> , 2007 , 28, 742-54		19
10	Adjudin-mediated junction restructuring in the seminiferous epithelium leads to displacement of soluble guanylate cyclase from adherens junctions. <i>Journal of Cellular Physiology</i> , 2006 , 208, 175-87	7	18
9	Effective Delivery of Male Contraceptives Behind the Blood-Testis Barrier (BTB) - Lesson from Adjudin. <i>Current Medicinal Chemistry</i> , 2016 , 23, 701-13	4.3	18

8	Quick synthesis of a novel combinatorial delivery system of siRNA and doxorubicin for a synergistic anticancer effect. <i>International Journal of Nanomedicine</i> , 2019 , 14, 3557-3569	7.3	11
7	NAD ⁺ treatment decreases tumor cell survival by inducing oxidative stress. <i>Frontiers in Bioscience - Elite</i> , 2011 , 3, 434-41	1.6	11
6	Targeted inhibition of SIRT6 via engineered exosomes impairs tumorigenesis and metastasis in prostate cancer. <i>Theranostics</i> , 2021 , 11, 6526-6541	12.1	11
5	A sirtuin activator and an anti-inflammatory molecule-multifaceted roles of adjudin and its potential applications for aging-related diseases. <i>Seminars in Cell and Developmental Biology</i> , 2016 , 59, 71-78	7.5	10
4	Adjudin synergizes with paclitaxel and inhibits cell growth and metastasis by regulating the sirtuin 3-Forkhead box O3a axis in human small-cell lung cancer. <i>Thoracic Cancer</i> , 2019 , 10, 642-658	3.2	6
3	Antioxidant protects blood-testis barrier against synchrotron radiation X-ray-induced disruption. <i>Spermatogenesis</i> , 2015 , 5, e1009313		3
2	FGF19 Is Coamplified With CCND1 to Promote Proliferation in Lung Squamous Cell Carcinoma and Their Combined Inhibition Shows Improved Efficacy.. <i>Frontiers in Oncology</i> , 2022 , 12, 846744	5.3	0
1	Mesoporous Silica Nanoparticles for Cancer Therapy 2013 , 231-242		