Yuzuru Ito

List of Publications by Year
in descending order

58	2,428	394286	214721
papers	citations	19 h-index	47 g-index

59	59	59	4015
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genome evolution in the allotetraploid frog Xenopus laevis. Nature, 2016, 538, 336-343.	13.7	849
2	IGFBP-4 is an inhibitor of canonical Wnt signalling required for cardiogenesis. Nature, 2008, 454, 345-349.	13.7	198
3	Glycome Diagnosis of Human Induced Pluripotent Stem Cells Using Lectin Microarray. Journal of Biological Chemistry, 2011, 286, 20345-20353.	1.6	185
4	Intensely Fluorescent Azobenzenes: Synthesis, Crystal Structures, Effects of Substituents, and Application to Fluorescent Vital Stain. Chemistry - A European Journal, 2010, 16, 5026-5035.	1.7	100
5	Elimination of Tumorigenic Human Pluripotent Stem Cells by a Recombinant Lectin-Toxin Fusion Protein. Stem Cell Reports, 2015, 4, 811-820.	2.3	94
6	Structural and Quantitative Evidence for Dynamic Glycome Shift on Production of Induced Pluripotent Stem Cells. Molecular and Cellular Proteomics, 2012, 11, 1913-1923.	2.5	84
7	Xapelin and Xmsr are required for cardiovascular development in Xenopus laevis. Developmental Biology, 2006, 298, 188-200.	0.9	82
8	A crucial role of a high mobility group protein HMGA2 in cardiogenesis. Nature Cell Biology, 2008, 10, 567-574.	4.6	76
9	Podocalyxin Is a Glycoprotein Ligand of the Human Pluripotent Stem Cell-Specific Probe rBC2LCN. Stem Cells Translational Medicine, 2013, 2, 265-273.	1.6	70
10	Long Non-Coding RNAs as Surrogate Indicators for Chemical Stress Responses in Human-Induced Pluripotent Stem Cells. PLoS ONE, 2014, 9, e106282.	1.1	70
11	rBC2LCN, a new probe for live cell imaging of human pluripotent stem cells. Biochemical and Biophysical Research Communications, 2013, 431, 524-529.	1.0	63
12	A comprehensive reference transcriptome resource for the Iberian ribbed newt Pleurodeles waltl, an emerging model for developmental and regeneration biology. DNA Research, 2019, 26, 217-229.	1.5	45
13	Ripply2is essential for precise somite formation during mouse early development. FEBS Letters, 2007, 581, 2691-2696.	1.3	36
14	A medium hyperglycosylated podocalyxin enables noninvasive and quantitative detection of tumorigenic human pluripotent stem cells. Scientific Reports, 2014, 4, 4069.	1.6	32
15	Enzyme-free Passage of Human Pluripotent Stem Cells by Controlling Divalent Cations. Scientific Reports, 2014, 4, 4646.	1.6	31
16	High hydrostatic pressure induces pro-osteoarthritic changes in cartilage precursor cells: A transcriptome analysis. PLoS ONE, 2017, 12, e0183226.	1.1	30
17	In vitro organogenesis from undifferentiated cells in Xenopus. Developmental Dynamics, 2009, 238, 1309-1320.	0.8	28
18	Possible linkages between the inner and outer cellular states of human induced pluripotent stem cells. BMC Systems Biology, 2011, 5, S17.	3.0	24

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19	The RNA-binding protein Mex3b has a fine-tuning system for mRNA regulation in earlyXenopusdevelopment. Development (Cambridge), 2009, 136, 2413-2422.	1.2	21
20	Cell-Mass Structures Expressing the Aromatase Gene Cyp19a1 Lead to Ovarian Cavities in Xenopus laevis. Endocrinology, 2014, 155, 3996-4005.	1.4	17
21	Enhanced Bone-Forming Activity of Side Population Cells in the Periodontal Ligament. Cell Transplantation, 2014, 23, 691-701.	1.2	17
22	Defining quality attributes to enable measurement assurance for cell therapy products. Cytotherapy, 2016, 18, 1241-1244.	0.3	16
23	A Stable Chimeric Fibroblast Growth Factor (FGF) Can Successfully Replace Basic FGF in Human Pluripotent Stem Cell Culture. PLoS ONE, 2015, 10, e0118931.	1.1	16
24	Cloning of noggin gene from hydra and analysis of its functional conservation using Xenopus laevis embryos. Evolution & Development, 2010, 12, 267-274.	1.1	15
25	Bioluminescent Capsules for Live-Cell Imaging. Bioconjugate Chemistry, 2012, 23, 2221-2228.	1.8	15
26	Î±2â€“6 sialylation is a marker of the differentiation potential of human mesenchymal stem cells. Glycobiology, 2016, 26, cww039.	1.3	15
27	Ubc9 negatively regulates BMP-mediated osteoblastic differentiation in cultured cells. Bone, 2012, 50, 1092-1099.	1.4	13
28	XHAPLN3 plays a key role in cardiogenesis by maintaining the hyaluronan matrix around heart anlage. Developmental Biology, 2008, 319, 34-45.	0.9	11
29	The impact of culture dimensionality on behavioral epigenetic memory contributing to pluripotent state of iPS cells. Journal of Cellular Physiology, 2021, 236, 4985-4996.	2.0	11
30	In vitro organogenesis using multipotent cells. Human Cell, 2010, 23, no-no.	1.2	10
31	KDEL tagging: a method for generating dominant-negative inhibitors of the secretion of TGF-beta superfamily proteins. International Journal of Developmental Biology, 2012, 56, 351-356.	0.3	10
32	The rBC2LCN-positive subpopulation of PC-3â€¯cells exhibits cancer stem-like properties. Biochemical and Biophysical Research Communications, 2019, 515, 176-182.	1.0	10
33	rBC2LCN lectin as a potential probe of earlyâ€stage HER2â€positive breast carcinoma. FEBS Open Bio, 2020, 10, 1056-1064.	1.0	9
34	In Synergy with Noggin and Follistatin, Xenopus Nodal-Related Gene Induces Sonic Hedgehog on Notochord and Floor Plate. Biochemical and Biophysical Research Communications, 2001, 281, 714-719.	1.0	8
35	Claudin5 genes encoding tight junction proteins are required for Xenopus heart formation. Development Growth and Differentiation, 2010, 52, 665-675.	0.6	8
36	Identification of novel peptides from amphibian (XenopusÂtropicalis) skin by direct tissue <scp>MALDI</scp>â€<scp>MS</scp> analysis. FEBS Journal, 2015, 282, 102-113.	2.2	8

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37	Template Activating Factor-I Î± Regulates Retroviral Silencing during Reprogramming. Cell Reports, 2019, 29, 1909-1922.e5.	2.9	8
38	A technique for removing tumourigenic pluripotent stem cells using rBC2LCN lectin. Regenerative Therapy, 2020, 14, 306-314.	1.4	8
39	Characterization of the insulin-like growth factor binding protein family in Xenopus tropicalis. International Journal of Developmental Biology, 2014, 58, 705-711.	0.3	7
40	A Novel Probe as Surface Glycan Marker of Pluripotent Stem Cells: Research Outcomes and Application to Regenerative Medicine. Advanced Healthcare Materials, 2015, 4, 2520-2529.	3.9	7
41	Development of a practical sandwich assay to detect human pluripotent stem cells using cell culture media. Regenerative Therapy, 2017, 6, 1-8.	1.4	7
42	mNanog Possesses Dorsal Mesoderm-Inducing Ability by Modulating Both BMP and Activin/Nodal Signaling in Xenopus Ectodermal Cells. PLoS ONE, 2012, 7, e46630.	1.1	6
43	A Lectin-Based Glycomic Approach to Identify Characteristic Features of Xenopus Embryogenesis. PLoS ONE, 2013, 8, e56581.	1.1	6
44	Controlled release of basic fibroblast growth factor from a water-floatable polyethylene nonwoven fabric sheet for maintenance culture of iPSCs. RSC Advances, 2020, 10, 95-104.	1.7	6
45	Development of Ca²⁺ signaling mechanisms and cell motility in presumptive ectodermal cells during amphibian gastrulation. Development Growth and Differentiation, 2011, 53, 37-47.	0.6	5
46	mRNA and miRNA expression profiles in an ectoderm-biased substate of human pluripotent stem cells. Scientific Reports, 2019, 9, 11910.	1.6	5
47	Insulin-like factor regulates neural induction through an IGF1 receptor-independent mechanism. Scientific Reports, 2015, 5, 11603.	1.6	4
48	Physicochemical and biological characterizations of Pxt peptides from amphibian (Xenopus tropicalis) skin. Journal of Biochemistry, 2016, 159, 619-629.	0.9	4
49	Roles of Xenopus chemokine ligand <scp>CXCL</scp>h (<scp>XCXCL</scp>h) in early embryogenesis. Development Growth and Differentiation, 2018, 60, 226-238.	0.6	4
50	Live-Cell Imaging of Human Pluripotent Stem Cells by a Novel Lectin Probe rBC2LCN. Methods in Molecular Biology, 2014, 1200, 313-318.	0.4	4
51	Improved Transport of the Model Amphibian,Xenopus tropicalis, and Its Viable Temperature for Transport. Current Herpetology, 2014, 33, 75-87.	0.5	3
52	Aminolevulinate synthase 2 mediates erythrocyte differentiation by regulating larval globin expression during Xenopus primary hematopoiesis. Biochemical and Biophysical Research Communications, 2015, 456, 476-481.	1.0	3
53	Identification and comparative analyses of Siamois cluster genes in Xenopus laevis and tropicalis. Developmental Biology, 2017, 426, 374-383.	0.9	3
54	Application of a human mesoderm tissue elongation system inÂvitro derived from human induced pluripotent stem cells to risk assessment for teratogenic chemicals. Chemosphere, 2020, 250, 126124.	4.2	3

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55	Characterization of CXC-type chemokine molecules in early Xenopus laevis development. International Journal of Developmental Biology, 2013, 57, 41-47.	0.3	3
56	Complete mitochondrial genome of â€œXenopus tropicalisâ€•Asashima line (Anura: Pipidae), a possible undescribed species. Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis, 2016, 27, 3341-3343.	0.7	2
57	Storable bFGF-Releasing Membrane Allowing Continuous Human iPSC Culture. Materials, 2021, 14, 651.	1.3	2
58	Mechanobiology During Vertebrate Organ Development. , 2011, , 39-47.		0