

Yuzuru Ito

List of Publications by Citations

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

57
papers

1,752
citations

18
h-index

41
g-index

59
ext. papers

2,148
ext. citations

5.9
avg. IF

3.9
L-index

#	Paper	IF	Citations
57	Genome evolution in the allotetraploid frog <i>Xenopus laevis</i> . <i>Nature</i> , 2016 , 538, 336-343	50.4	510
56	IGFBP-4 is an inhibitor of canonical Wnt signalling required for cardiogenesis. <i>Nature</i> , 2008 , 454, 345-9	50.4	171
55	Glycome diagnosis of human induced pluripotent stem cells using lectin microarray. <i>Journal of Biological Chemistry</i> , 2011 , 286, 20345-53	5.4	151
54	Intensely fluorescent azobenzenes: synthesis, crystal structures, effects of substituents, and application to fluorescent vital stain. <i>Chemistry - A European Journal</i> , 2010 , 16, 5026-35	4.8	85
53	Elimination of tumorigenic human pluripotent stem cells by a recombinant lectin-toxin fusion protein. <i>Stem Cell Reports</i> , 2015 , 4, 811-20	8	80
52	Xapelin and Xmsr are required for cardiovascular development in <i>Xenopus laevis</i> . <i>Developmental Biology</i> , 2006 , 298, 188-200	3.1	69
51	Structural and quantitative evidence for dynamic glycome shift on production of induced pluripotent stem cells. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, 1913-23	7.6	68
50	A crucial role of a high mobility group protein HMGA2 in cardiogenesis. <i>Nature Cell Biology</i> , 2008 , 10, 567-74	23.4	68
49	Long non-coding RNAs as surrogate indicators for chemical stress responses in human-induced pluripotent stem cells. <i>PLoS ONE</i> , 2014 , 9, e106282	3.7	59
48	Podocalyxin is a glycoprotein ligand of the human pluripotent stem cell-specific probe rBC2LCN. <i>Stem Cells Translational Medicine</i> , 2013 , 2, 265-73	6.9	57
47	rBC2LCN, a new probe for live cell imaging of human pluripotent stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 431, 524-9	3.4	53
46	Ripply2 is essential for precise somite formation during mouse early development. <i>FEBS Letters</i> , 2007 , 581, 2691-6	3.8	30
45	In vitro organogenesis from undifferentiated cells in <i>Xenopus</i> . <i>Developmental Dynamics</i> , 2009 , 238, 1309-20	20	26
44	Enzyme-free passage of human pluripotent stem cells by controlling divalent cations. <i>Scientific Reports</i> , 2014 , 4, 4646	4.9	23
43	A medium hyperglycosylated podocalyxin enables noninvasive and quantitative detection of tumorigenic human pluripotent stem cells. <i>Scientific Reports</i> , 2014 , 4, 4069	4.9	22
42	Possible linkages between the inner and outer cellular states of human induced pluripotent stem cells. <i>BMC Systems Biology</i> , 2011 , 5 Suppl 1, S17	3.5	19
41	A comprehensive reference transcriptome resource for the Iberian ribbed newt <i>Pleurodeles waltl</i> , an emerging model for developmental and regeneration biology. <i>DNA Research</i> , 2019 , 26, 217-229	4.5	18

40	High hydrostatic pressure induces pro-osteoarthritic changes in cartilage precursor cells: A transcriptome analysis. <i>PLoS ONE</i> , 2017 , 12, e0183226	3.7	18
39	Enhanced bone-forming activity of side population cells in the periodontal ligament. <i>Cell Transplantation</i> , 2014 , 23, 691-701	4	14
38	The RNA-binding protein Mex3b has a fine-tuning system for mRNA regulation in early <i>Xenopus</i> development. <i>Development (Cambridge)</i> , 2009 , 136, 2413-22	6.6	14
37	Cell-mass structures expressing the aromatase gene <i>Cyp19a1</i> lead to ovarian cavities in <i>Xenopus laevis</i> . <i>Endocrinology</i> , 2014 , 155, 3996-4005	4.8	12
36	Bioluminescent capsules for live-cell imaging. <i>Bioconjugate Chemistry</i> , 2012 , 23, 2221-8	6.3	12
35	Ubc9 negatively regulates BMP-mediated osteoblastic differentiation in cultured cells. <i>Bone</i> , 2012 , 50, 1092-9	4.7	11
34	Cloning of <i>noggin</i> gene from hydra and analysis of its functional conservation using <i>Xenopus laevis</i> embryos. <i>Evolution & Development</i> , 2010 , 12, 267-74	2.6	11
33	A stable chimeric fibroblast growth factor (FGF) can successfully replace basic FGF in human pluripotent stem cell culture. <i>PLoS ONE</i> , 2015 , 10, e0118931	3.7	10
32	XHAPLN3 plays a key role in cardiogenesis by maintaining the hyaluronan matrix around heart anlage. <i>Developmental Biology</i> , 2008 , 319, 34-45	3.1	9
31	In synergy with <i>noggin</i> and <i>follistatin</i> , <i>Xenopus nodal</i> -related gene induces sonic hedgehog on notochord and floor plate. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 281, 714-9	3.4	8
30	KDEL tagging: a method for generating dominant-negative inhibitors of the secretion of TGF-beta superfamily proteins. <i>International Journal of Developmental Biology</i> , 2012 , 56, 351-6	1.9	7
29	Claudin5 genes encoding tight junction proteins are required for <i>Xenopus</i> heart formation. <i>Development Growth and Differentiation</i> , 2010 , 52, 665-75	3	7
28	α-6 sialylation is a marker of the differentiation potential of human mesenchymal stem cells. <i>Glycobiology</i> , 2016 , 26, 1328-1337	5.8	7
27	The rBC2LCN-positive subpopulation of PC-3 cells exhibits cancer stem-like properties. <i>Biochemical and Biophysical Research Communications</i> , 2019 , 515, 176-182	3.4	6
26	A Novel Probe as Surface Glycan Marker of Pluripotent Stem Cells: Research Outcomes and Application to Regenerative Medicine. <i>Advanced Healthcare Materials</i> , 2015 , 4, 2520-9	10.1	6
25	Identification of novel peptides from amphibian (<i>Xenopus tropicalis</i>) skin by direct tissue MALDI-MS analysis. <i>FEBS Journal</i> , 2015 , 282, 102-13	5.7	6
24	A lectin-based glycomic approach to identify characteristic features of <i>Xenopus</i> embryogenesis. <i>PLoS ONE</i> , 2013 , 8, e56581	3.7	6
23	Development of a practical sandwich assay to detect human pluripotent stem cells using cell culture media. <i>Regenerative Therapy</i> , 2017 , 6, 1-8	3.7	5

22	Characterization of the insulin-like growth factor binding protein family in <i>Xenopus tropicalis</i> . <i>International Journal of Developmental Biology</i> , 2014 , 58, 705-11	1.9	5
21	mNanog possesses dorsal mesoderm-inducing ability by modulating both BMP and Activin/nodal signaling in <i>Xenopus</i> ectodermal cells. <i>PLoS ONE</i> , 2012 , 7, e46630	3.7	5
20	Development of Ca ²⁺ (+) signaling mechanisms and cell motility in presumptive ectodermal cells during amphibian gastrulation. <i>Development Growth and Differentiation</i> , 2011 , 53, 37-47	3	5
19	In vitro organogenesis using multipotent cells. <i>Human Cell</i> , 2010 , 23, 1-14	4.5	5
18	Template Activating Factor-1 Regulates Retroviral Silencing during Reprogramming. <i>Cell Reports</i> , 2019 , 29, 1909-1922.e5	10.6	5
17	A technique for removing tumourigenic pluripotent stem cells using rBC2LCN lectin. <i>Regenerative Therapy</i> , 2020 , 14, 306-314	3.7	4
16	Live-cell imaging of human pluripotent stem cells by a novel lectin probe rBC2LCN. <i>Methods in Molecular Biology</i> , 2014 , 1200, 313-8	1.4	4
15	Insulin-like factor regulates neural induction through an IGF1 receptor-independent mechanism. <i>Scientific Reports</i> , 2015 , 5, 11603	4.9	3
14	Physicochemical and biological characterizations of Pxt peptides from amphibian (<i>Xenopus tropicalis</i>) skin. <i>Journal of Biochemistry</i> , 2016 , 159, 619-29	3.1	3
13	Identification and comparative analyses of Siamois cluster genes in <i>Xenopus laevis</i> and <i>tropicalis</i> . <i>Developmental Biology</i> , 2017 , 426, 374-383	3.1	3
12	Characterization of CXC-type chemokine molecules in early <i>Xenopus laevis</i> development. <i>International Journal of Developmental Biology</i> , 2013 , 57, 41-7	1.9	3
11	Controlled release of basic fibroblast growth factor from a water-floatable polyethylene nonwoven fabric sheet for maintenance culture of iPSCs.. <i>RSC Advances</i> , 2019 , 10, 95-104	3.7	3
10	Aminolevulinatase synthase 2 mediates erythrocyte differentiation by regulating larval globin expression during <i>Xenopus</i> primary hematopoiesis. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 456, 476-81	3.4	2
9	Application of a human mesoderm tissue elongation system in vitro derived from human induced pluripotent stem cells to risk assessment for teratogenic chemicals. <i>Chemosphere</i> , 2020 , 250, 126124	8.4	2
8	rBC2LCN lectin as a potential probe of early-stage HER2-positive breast carcinoma. <i>FEBS Open Bio</i> , 2020 , 10, 1056-1064	2.7	2
7	Complete mitochondrial genome of "Xenopus tropicalis" Asashima line (Anura: Pipidae), a possible undescribed species. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2016 , 27, 3341-3 ¹⁻³	1.3	2
6	mRNA and miRNA expression profiles in an ectoderm-biased substate of human pluripotent stem cells. <i>Scientific Reports</i> , 2019 , 9, 11910	4.9	2
5	Improved Transport of the Model Amphibian, <i>Xenopus tropicalis</i> , and Its Viable Temperature for Transport. <i>Current Herpetology</i> , 2014 , 33, 75-87	0.3	2

4	The impact of culture dimensionality on behavioral epigenetic memory contributing to pluripotent state of iPS cells. <i>Journal of Cellular Physiology</i> , 2021 , 236, 4985-4996	7	2
3	Roles of Xenopus chemokine ligand CXCLh (XCXCLh) in early embryogenesis. <i>Development Growth and Differentiation</i> , 2018 , 60, 226-238	3	2
2	A comprehensive reference transcriptome resource for the Iberian ribbed newt <i>Pleurodeles waltl</i> , an emerging model for developmental and regeneration biology		1
1	Mechanobiology During Vertebrate Organ Development 2011 , 39-47		