Yoshifumi Yamaguchi

List of Publications by Year
in descending order

38 papers	1,936 citations	471509 17 h-index	377865 34 g-index
42 all docs	42 docs citations	42 times ranked	3465 citing authors

#	Article	IF	Citations
1	Caspase-1 initiates apoptosis in the absence of gasdermin D. Nature Communications, 2019, 10, 2091.	12.8	301
2	HIF-1Î±-PDK1 axis-induced active glycolysis plays an essential role in macrophage migratory capacity. Nature Communications, 2016, 7, 11635.	12.8	233
3	Programmed Cell Death in Neurodevelopment. Developmental Cell, 2015, 32, 478-490.	7.0	199
4	Live imaging of apoptosis in a novel transgenic mouse highlights its role in neural tube closure. Journal of Cell Biology, 2011, 195, 1047-1060.	5.2	168
5	Single-Cell Imaging of Caspase-1 Dynamics Reveals an All-or-None Inflammasome Signaling Response. Cell Reports, 2014, 8, 974-982.	6.4	130
6	A20 prevents inflammasome-dependent arthritis by inhibiting macrophage necroptosis through its ZnF7 ubiquitin-binding domain. Nature Cell Biology, 2019, 21, 731-742.	10.3	122
7	Detection of LacZâ€Positive Cells in Living Tissue with Singleâ€Cell Resolution. Angewandte Chemie - International Edition, 2016, 55, 9620-9624.	13.8	107
8	Local Apoptosis Modulates Early Mammalian Brain Development through the Elimination of Morphogen-Producing Cells. Developmental Cell, 2013, 27, 621-634.	7.0	92
9	Rewiring of embryonic glucose metabolism via suppression of PFK-1 and aldolase during mouse chorioallantoic branching. Development (Cambridge), 2017, 144, 63-73.	2.5	70
10	How to form and close the brain: insight into the mechanism of cranial neural tube closure in mammals. Cellular and Molecular Life Sciences, 2013, 70, 3171-3186.	5.4	66
11	A FRET biosensor for necroptosis uncovers two different modes of the release of DAMPs. Nature Communications, 2018, 9, 4457.	12.8	65
12	Grainyhead-related transcription factor is required for duct maturation in the salivary gland and the kidney of the mouse. Development (Cambridge), 2006, 133, 4737-4748.	2.5	58
13	A Fluorescent Probe for Rapid, Highâ€Contrast Visualization of Folateâ€Receptorâ€Expressing Tumors Inâ€…Vivo. Angewandte Chemie - International Edition, 2020, 59, 6015-6020.	13.8	41
14	Drosophila Strip serves as a platform for early endosome organization during axon elongation. Nature Communications, 2014, 5, 5180.	12.8	40
15	Simultaneous expression of different transgenes in neurons and glia by combining in utero electroporation with the Tol2 transposonâ€mediated gene transfer system. Genes To Cells, 2010, 15, 501-512.	1.2	37
16	Programmed Cell Death and Caspase Functions During Neural Development. Current Topics in Developmental Biology, 2015, 114, 159-184.	2.2	36
17	Decreases in body temperature and body mass constitute pre-hibernation remodelling in the Syrian golden hamster, a facultative mammalian hibernator. Royal Society Open Science, 2016, 3, 160002.	2.4	30
18	Arl8b is required for lysosomal degradation of maternal proteins in the visceral yolk sac endoderm of mouse embryos. Journal of Cell Science, 2017, 130, 3568-3577.	2.0	23

#	Article	IF	Citations
19	Detection of LacZâ€Positive Cells in Living Tissue with Singleâ€Cell Resolution. Angewandte Chemie, 2016, 128, 9772-9776.	2.0	15
20	Molecular Basis of White Adipose Tissue Remodeling That Precedes and Coincides With Hibernation in the Syrian Hamster, a Food-Storing Hibernator. Frontiers in Physiology, 2018, 9, 1973.	2.8	15
21	Hepatic resistance to cold ferroptosis in a mammalian hibernator Syrian hamster depends on effective storage of diet-derived Î±-tocopherol. Communications Biology, 2021, 4, 796.	4.4	12
22	Gene trap screening as an effective approach for identification of Wnt-responsive genes in the mouse embryo. Developmental Dynamics, 2005, 233, 484-495.	1.8	11
23	In vivo detection of programmed cell death during mouse heart development. Cell Death and Differentiation, 2020, 27, 1398-1414.	11.2	10
24	Development of novel methods that monitor necroptosis and the release of DAMPs at the single cell resolution. Cell Stress, 2019, 3, 66-69.	3.2	10
25	Caspases and matrix metalloproteases facilitate collective behavior of non-neural ectoderm after hindbrain neuropore closure. BMC Developmental Biology, 2018, 18, 17.	2.1	9
26	Neural tube closure and embryonic metabolism. Congenital Anomalies (discontinued), 2017, 57, 134-137.	0.6	8
27	In Vivo Monitoring of Caspase Activation Using a Fluorescence Resonance Energy Transfer-Based Fluorescent Probe. Methods in Enzymology, 2014, 544, 299-325.	1.0	7
28	Mammalian embryos show metabolic plasticity toward the surrounding environment during neural tube closure. Genes To Cells, 2018, 23, 794-802.	1.2	5
29	Temporal regulation of Lin28a during mammalian neurulation contributes to neonatal body size control. Developmental Dynamics, 2019, 248, 931-941.	1.8	5
30	Apoptosis is involved in maintaining the character of the midbrain and the diencephalon roof plate after neural tube closure. Developmental Biology, 2020, 468, 101-109.	2.0	4
31	Addendum: A FRET biosensor for necroptosis uncovers two different modes of the release of DAMPs. Nature Communications, 2019, 10, 1923.	12.8	2
32	Caspase-3 regulates ureteric branching in mice via cell migration. Biochemical and Biophysical Research Communications, 2021, 559, 28-34.	2.1	2
33	Stepâ€byâ€step protocols for nonâ€viral derivation of transgeneâ€free induced pluripotent stem cells from somatic fibroblasts of multiple mammalian species. Development Growth and Differentiation, 2022, 64, 325-341.	1.5	2
34	Evidence for the involvement of caspases in establishing proper cerebrospinal fluid hydrodynamics. Neuroscience Research, 2021, 170, 145-153.	1.9	1
35	1SCP-08 Cell death for life-Impact of apoptosis on morphogenesis in brain development(1SCP) Tj ETQq1 1 0.784314 rgBT /Overlock	0.1	0
36	Loss of the small GTPase Arl8b results in abnormal development of the roof plate in mouse embryos. Genes To Cells, 2019, 24, 436-448.	1.2	0

#	Article	IF	Citations
37	Contribution of Apoptosis in Cranial Neural Tube Closure Indicated by Mouse Embryo Live Imaging. , 2014, , 137-147.		0
38	Rewiring of embryonic glucose metabolism via suppression of PFK-1 and aldolase during mouse chorioallantoic branching. Journal of Cell Science, 2017, 130, e1.1-e1.1.	2.0	0