

Naoki Irie

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,942
citations

471509

17
h-index

434195

31
g-index

37
all docs

37
docs citations

37
times ranked

2785
citing authors

#	ARTICLE	IF	CITATIONS
1	In the spotlight – Established researcher. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2022, 338, 5-6.	1.3	1
2	The developmental hourglass model and recapitulation: An attempt to integrate the two models. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2022, 338, 76-86.	1.3	10
3	Measuring potential effects of the developmental burden associated with the vertebrate notochord. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2022, 338, 129-136.	1.3	4
4	How can recapitulation be reconciled with modern concepts of evolution?. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2022, 338, 28-35.	1.3	5
5	Beyond recapitulation: Past, present, and future. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2022, 338, 9-12.	1.3	1
6	Distinguishing Evolutionary Conservation from Derivedness. <i>Life</i> , 2022, 12, 440.	2.4	1
7	Potential contribution of intrinsic developmental stability toward body plan conservation. <i>BMC Biology</i> , 2022, 20, 82.	3.8	6
8	Derivedness Index for Estimating Degree of Phenotypic Evolution of Embryos: A Study of Comparative Transcriptomic Analyses of Chordates and Echinoderms. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 749963.	3.7	3
9	Whole embryonic detection of maternal microchimeric cells highlights significant differences in their numbers among individuals. <i>PLoS ONE</i> , 2021, 16, e0261357.	2.5	4
10	The developmental transcriptome for <i>Lytechinus variegatus</i> exhibits temporally punctuated gene expression changes. <i>Developmental Biology</i> , 2020, 460, 139-154.	2.0	16
11	Genomic insights of body plan transitions from bilateral to pentamerous symmetry in Echinoderms. <i>Communications Biology</i> , 2020, 3, 371.	4.4	34
12	Toward understanding of evolutionary constraints: experimental and theoretical approaches. <i>Biophysical Reviews</i> , 2020, 12, 1155-1161.	3.2	9
13	Recapitulation-like developmental transitions of chromatin accessibility in vertebrates. <i>Zoological Letters</i> , 2019, 5, 33.	1.3	24
14	Embryonic lethality is not sufficient to explain hourglass-like conservation of vertebrate embryos. <i>EvoDevo</i> , 2018, 9, 7.	3.2	24
15	Weighted gene co-expression network analysis reveals potential genes involved in early metamorphosis process in sea cucumber <i>Apostichopus japonicus</i> . <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 1395-1402.	2.1	15
16	The phylum Vertebrata: a case for zoological recognition. <i>Zoological Letters</i> , 2018, 4, 32.	1.3	32
17	Functional roles of Aves class-specific cis-regulatory elements on macroevolution of bird-specific features. <i>Nature Communications</i> , 2017, 8, 14229.	12.8	61
18	Remaining questions related to the hourglass model in vertebrate evolution. <i>Current Opinion in Genetics and Development</i> , 2017, 45, 103-107.	3.3	20

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19	Constrained vertebrate evolution by pleiotropic genes. <i>Nature Ecology and Evolution</i> , 2017, 1, 1722-1730.	7.8	72
20	Centromere evolution and CpG methylation during vertebrate speciation. <i>Nature Communications</i> , 2017, 8, 1833.	12.8	78
21	The developmental hourglass model: a predictor of the basic body plan?. <i>Development (Cambridge)</i> , 2014, 141, 4649-4655.	2.5	116
22	Three crocodylian genomes reveal ancestral patterns of evolution among archosaurs. <i>Science</i> , 2014, 346, 1254449.	12.6	300
23	Turtle ghrelin. <i>Nature Genetics</i> , 2014, 46, 526-526.	21.4	0
24	The Evolutionary Origin of the Vertebrate Body Plan: The Problem of Head Segmentation. <i>Annual Review of Genomics and Human Genetics</i> , 2014, 15, 443-459.	6.2	21
25	The draft genomes of soft-shell turtle and green sea turtle yield insights into the development and evolution of the turtle-specific body plan. <i>Nature Genetics</i> , 2013, 45, 701-706.	21.4	409
26	Comparative transcriptome analysis reveals vertebrate phylotypic period during organogenesis. <i>Nature Communications</i> , 2011, 2, 248.	12.8	256
27	Biliary atresia: a new immunological insight into etiopathogenesis. <i>Expert Review of Gastroenterology and Hepatology</i> , 2009, 3, 599-606.	3.0	32
28	Maternal HLA Class I Compatibility in Patients With Biliary Atresia. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2009, 49, 488-492.	1.8	16
29	Maternal Microchimerism in Underlying Pathogenesis of Biliary Atresia: Quantification and Phenotypes of Maternal Cells in the Liver. <i>Pediatrics</i> , 2008, 121, 517-521.	2.1	85
30	The vertebrate phylotypic stage and an early bilaterian-related stage in mouse embryogenesis defined by genomic information. <i>BMC Biology</i> , 2007, 5, 1.	3.8	138
31	Fused protein of \hat{I} PKC activation loop and PDK1-interacting fragment (\hat{I} AL-PIF) functions as a pseudosubstrate and an inhibitory molecule for PDK1 when expressed in cells. <i>Genes To Cells</i> , 2006, 11, 1051-1070.	1.2	5
32	Essential roles of Meltrin \hat{I}^2 (ADAM19) in heart development. <i>Developmental Biology</i> , 2004, 267, 14-28.	2.0	101
33	Subtype- and species-specific knockdown of PKC using short interfering RNA (siRNA). <i>Biochemical and Biophysical Research Communications</i> , 2002, 298, 738-743.	2.1	43