Makoto Ikeya

List of Publications by Year
in descending order

52	3,648	186265 28	189892 50
papers	citations	h-index	g-index

55	55	55	4908
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dental applications of induced pluripotent stem cells and their derivatives. Japanese Dental Science Review, 2022, 58, 162-171.	5.1	2
2	Development of pluripotent stem cellâ€based human tenocytes. Development Growth and Differentiation, 2021, 63, 38-46.	1.5	13
3	Pluripotent stem cells in developmental biology. Development Growth and Differentiation, 2021, 63, 3-4.	1.5	3
4	Challenges and Opportunities for Drug Repositioning in Fibrodysplasia Ossificans Progressiva. Biomedicines, 2021, 9, 213.	3.2	8
5	Pluripotent stem cells in developmental biology (part 2). Development Growth and Differentiation, 2021, 63, 103-103.	1.5	1
6	In vivo regeneration of rat laryngeal cartilage with mesenchymal stem cells derived from human induced pluripotent stem cells via neural crest cells. Stem Cell Research, 2021, 52, 102233.	0.7	19
7	Collagen-VI supplementation by cell transplantation improves muscle regeneration in Ullrich congenital muscular dystrophy model mice. Stem Cell Research and Therapy, 2021, 12, 446.	5.5	11
8	Grafting of iPS cell-derived tenocytes promotes motor function recovery after Achilles tendon rupture. Nature Communications, 2021, 12, 5012.	12.8	23
9	Bio-3D printing iPSC-derived human chondrocytes for articular cartilage regeneration. Biofabrication, 2021, 13, 044103.	7.1	38
10	Systemic Supplementation of Collagen VI by Neonatal Transplantation of iPSC-Derived MSCs Improves Histological Phenotype and Function of Col6-Deficient Model Mice. Frontiers in Cell and Developmental Biology, 2021, 9, 790341.	3.7	5
11	Pro-angiogenic scaffold-free Bio three-dimensional conduit developed from human induced pluripotent stem cell-derived mesenchymal stem cells promotes peripheral nerve regeneration. Scientific Reports, 2020, 10, 12034.	3.3	17
12	Induced Fetal Human Muscle Stem Cells with High Therapeutic Potential in a Mouse Muscular Dystrophy Model. Stem Cell Reports, 2020, 15, 80-94.	4.8	31
13	Species-specific segmentation clock periods are due to differential biochemical reaction speeds. Science, 2020, 369, 1450-1455.	12.6	169
14	Recapitulating the human segmentation clock with pluripotent stem cells. Nature, 2020, 580, 124-129.	27.8	148
15	A Modular Differentiation System Maps Multiple Human Kidney Lineages from Pluripotent Stem Cells. Cell Reports, 2020, 31, 107476.	6.4	71
16	Induced pluripotent stem cellâ€derived mesenchymal stem cells prolong hind limb survival in a rat vascularized composite allotransplantation model. Microsurgery, 2019, 39, 737-747.	1.3	14
17	Clumps of Mesenchymal Stem Cell/Extracellular Matrix Complexes Generated with Xeno-Free Conditions Facilitate Bone Regeneration via Direct and Indirect Osteogenesis. International Journal of Molecular Sciences, 2019, 20, 3970.	4.1	22
18	In vitro bone-like nodules generated from patient-derived iPSCs recapitulate pathological bone phenotypes. Nature Biomedical Engineering, 2019, 3, 558-570.	22.5	57

#	Article	IF	Citations
19	Insights into the biology of fibrodysplasia ossificans progressiva using patient-derived induced pluripotent stem cells. Regenerative Therapy, 2019, 11, 25-30.	3.0	11
20	In Vitro Generation of Somite Derivatives from Human Induced Pluripotent Stem Cells. Journal of Visualized Experiments, 2019, , .	0.3	4
21	TRIOBP-5 sculpts stereocilia rootlets and stiffens supporting cells enabling hearing. JCI Insight, 2019, 4, .	5.0	29
22	An mTOR Signaling Modulator Suppressed Heterotopic Ossification ofÂFibrodysplasia Ossificans Progressiva. Stem Cell Reports, 2018, 11, 1106-1119.	4.8	47
23	Generation and Applications of Induced Pluripotent Stem Cell-Derived Mesenchymal Stem Cells. Stem Cells International, 2018, 2018, 1-8.	2.5	63
24	Modeling human somite development and fibrodysplasia ossificans progressiva with induced pluripotent stem cells. Development (Cambridge), 2018, 145, .	2.5	46
25	Characterization of Mesenchymal Stem Cell-Like Cells Derived From Human iPSCs via Neural Crest Development and Their Application for Osteochondral Repair. Stem Cells International, 2017, 2017, 1-18.	2.5	55
26	SOX10-Nano-Lantern Reporter Human iPS Cells; A Versatile Tool for Neural Crest Research. PLoS ONE, 2017, 12, e0170342.	2.5	7
27	Activin-A enhances mTOR signaling to promote aberrant chondrogenesis in fibrodysplasia ossificans progressiva. Journal of Clinical Investigation, 2017, 127, 3339-3352.	8.2	126
28	BMP-SMAD-ID promotes reprogramming to pluripotency by inhibiting p16/INK4A-dependent senescence. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13057-13062.	7.1	75
29	Engineering the AAVS1 locus for consistent and scalable transgene expression in human iPSCs and their differentiated derivatives. Methods, 2016, 101, 43-55.	3.8	150
30	Mutant IDH1 Dysregulates the Differentiation of Mesenchymal Stem Cells in Association with Gene-Specific Histone Modifications to Cartilage- and Bone-Related Genes. PLoS ONE, 2015, 10, e0131998.	2.5	55
31	SS18-SSX, the Oncogenic Fusion Protein in Synovial Sarcoma, Is a Cellular Context-Dependent Epigenetic Modifier. PLoS ONE, 2015, 10, e0142991.	2.5	31
32	Neofunction of ACVR1 in fibrodysplasia ossificans progressiva. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15438-15443.	7.1	252
33	Enhanced Chondrogenesis of Induced Pluripotent Stem Cells From Patients With Neonatalâ€Onset Multisystem Inflammatory Disease Occurs via the Caspase 1â€“Independent cAMP/Protein Kinase A/CREB Pathway. Arthritis and Rheumatology, 2015, 67, 302-314.	5.6	34
34	New Protocol to Optimize iPS Cells for Genome Analysis of Fibrodysplasia Ossificans Progressiva. Stem Cells, 2015, 33, 1730-1742.	3.2	48
35	Derivation of Mesenchymal Stromal Cells from Pluripotent Stem Cells through a Neural Crest Lineage using Small Molecule Compounds with Defined Media. PLoS ONE, 2014, 9, e112291.	2.5	137
36	Induced pluripotent stem cells from patients with human fibrodysplasia ossificans progressiva show increased mineralization and cartilage formation. Orphanet Journal of Rare Diseases, 2013, 8, 190.	2.7	101

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37	Identification of target genes of synovial sarcoma-associated fusion oncoprotein using human pluripotent stem cells. Biochemical and Biophysical Research Communications, 2013, 432, 713-719.	2.1	17
38	Efficient and Reproducible Myogenic Differentiation from Human iPS Cells: Prospects for Modeling Miyoshi Myopathy In Vitro. PLoS ONE, 2013, 8, e61540.	2.5	188
39	Genetically Matched Human iPS Cells Reveal that Propensity for Cartilage and Bone Differentiation Differs with Clones, not Cell Type of Origin. PLoS ONE, 2013, 8, e53771.	2.5	49
40	Cv2, functioning as a pro-BMP factor via twisted gastrulation, is required for early development of nephron precursors. Developmental Biology, 2010, 337, 405-414.	2.0	41
41	Twisted gastrulation mutation suppresses skeletal defect phenotypes in Crossveinless 2 mutant mice. Mechanisms of Development, 2008, 125, 832-842.	1.7	14
42	The secreted EGF-Discoidin factor xDel1 is essential for dorsal development of the Xenopus embryo. Developmental Biology, 2007, 306, 160-169.	2.0	3
43	Essential pro-Bmp roles of crossveinless 2 in mouse organogenesis. Development (Cambridge), 2006, 133, 4463-4473.	2.5	107
44	Gene disruption/knock-in analysis of mONT3: vector construction by employing both in vivo and in vitro recombinations. International Journal of Developmental Biology, 2005, 49, 807-823.	0.6	38
45	Wnt-3a is required for somite specification along the anteroposterior axis of the mouse embryo and for regulation of cdx-1 expression. Mechanisms of Development, 2001, 103, 27-33.	1.7	130
46	Expression of the receptor tyrosine kinase genes, Ror1 and Ror2, during mouse development. Mechanisms of Development, 2001, 105, 153-156.	1.7	130
47	Expression of vinexin Î± in the dorsal half of the eye and in the cardiac outflow tract and atrioventricular canal. Mechanisms of Development, 2001, 106, 147-150.	1.7	19
48	Loss of mRor1 Enhances the Heart and Skeletal Abnormalities in mRor2 -Deficient Mice: Redundant and Pleiotropic Functions of mRor1 and mRor2 Receptor Tyrosine Kinases. Molecular and Cellular Biology, 2001, 21, 8329-8335.	2.3	122
49	Mouse Ror2 receptor tyrosine kinase is required for the heart development and limb formation. Genes To Cells, 2000, 5, 71-78.	1.2	197
50	Wnt signalling required for expansion of neural crest and CNS progenitors. Nature, 1997, 389, 966-970.	27.8	655
51	Collagen-VI Supplementation by Cell Transplantation Improves Muscle Regeneration in Ullrich Congenital Muscular Dystrophy Model Mice. SSRN Electronic Journal, 0, , .	0.4	0
52	Induction of Functional Mesenchymal Stem/Stromal Cells from Human iPCs Via a Neural Crest Cell Lineage Under Xeno-Free Conditions. SSRN Electronic Journal, 0, , .	0.4	6