

Kathy O Lui

List of Publications by Year in descending order

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Version: 2024-02-01

86
papers

4,361
citations

136950
32
h-index

118850
62
g-index

89
all docs

89
docs citations

89
times ranked

6586
citing authors

#	ARTICLE	IF	CITATIONS
1	Harnessing orthogonal recombinases to decipher cell fate with enhanced precision. Trends in Cell Biology, 2022, 32, 324-337.	7.9	13
2	Endothelial contribution to COVID-19: an update on mechanisms and therapeutic implications. Journal of Molecular and Cellular Cardiology, 2022, 164, 69-82.	1.9	34
3	Genetic Proliferation Tracing Reveals a Rapid Cell Cycle Withdrawal in Preadolescent Cardiomyocytes. Circulation, 2022, 145, 410-412.	1.6	9
4	YY1 Regulates Glucose Homeostasis Through Controlling Insulin Transcription in Pancreatic β^2 -Cells. Diabetes, 2022, 71, 961-977.	0.6	6
5	Loss of m6A Methyltransferase METTL5 Promotes Cardiac Hypertrophy Through Epitranscriptomic Control of SUZ12 Expression. Frontiers in Cardiovascular Medicine, 2022, 9, 852775.	2.4	10
6	A human pluripotent stem cell-based model of SARS-CoV-2 infection reveals an ACE2-independent inflammatory activation of vascular endothelial cells through TLR4. Stem Cell Reports, 2022, 17, 538-555.	4.8	22
7	Dual Genetic Lineage Tracing Reveals Capillary to Artery Formation in the Adult Heart. Circulation, 2022, 145, 1179-1181.	1.6	3
8	Targeting endothelial dysfunction and inflammation. Journal of Molecular and Cellular Cardiology, 2022, 168, 58-67.	1.9	40
9	Dual Cre and Dre recombinases mediate synchronized lineage tracing and cell subset ablation in vivo. Journal of Biological Chemistry, 2022, 298, 101965.	3.4	4
10	Effects of nucleases on cell-free extrachromosomal circular DNA. JCI Insight, 2022, 7, .	5.0	12
11	Lineage tracing clarifies the cellular origin of tissue-resident macrophages in the developing heart. Journal of Cell Biology, 2022, 221, .	5.2	12
12	Calcitonin Gene-Related Peptide Enhances Distraction Osteogenesis by Increasing Angiogenesis. Tissue Engineering - Part A, 2021, 27, 87-102.	3.1	44
13	Pre-existing beta cells but not progenitors contribute to new beta cells in the adult pancreas. Nature Metabolism, 2021, 3, 352-365.	11.9	35
14	The cardiac translational landscape reveals that micropeptides are new players involved in cardiomyocyte hypertrophy. Molecular Therapy, 2021, 29, 2253-2267.	8.2	24
15	Nuclease deficiencies alter plasma cell-free DNA methylation profiles. Genome Research, 2021, 31, 2008-2021.	5.5	4
16	Chaperone Mediated Autophagy Regulates eNOS Uncoupling in Cardiovascular Events. Circulation Research, 2021, 129, 946-948.	4.5	0
17	Pancreatic beta cell neogenesis: Debates and updates. Cell Metabolism, 2021, 33, 2105-2107.	16.2	1
18	Smooth muscle-derived macrophage-like cells contribute to multiple cell lineages in the atherosclerotic plaque. Cell Discovery, 2021, 7, 111.	6.7	19

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19	Seamless Genetic Recording of Transiently Activated Mesenchymal Gene Expression in Endothelial Cells During Cardiac Fibrosis. <i>Circulation</i> , 2021, 144, 2004-2020.	1.6	25
20	Endothelial Agrin Is Dispensable for Normal and Tumor Angiogenesis. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 810477.	2.4	1
21	The Formation of Coronary Vessels in Cardiac Development and Disease. <i>Cold Spring Harbor Perspectives in Biology</i> , 2020, 12, a037168.	5.5	12
22	Single-cell transcriptomics uncover distinct innate and adaptive cell subsets during tissue homeostasis and regeneration. <i>Journal of Leukocyte Biology</i> , 2020, 108, 1593-1602.	3.3	6
23	Genetic Fate Mapping of Transient Cell Fate Reveals N-Cadherin Activity and Function in Tumor Metastasis. <i>Developmental Cell</i> , 2020, 54, 593-607.e5.	7.0	70
24	An emerging role of regulatory T-cells in cardiovascular repair and regeneration. <i>Theranostics</i> , 2020, 10, 8924-8938.	10.0	25
25	Single-Cell RNA-Seq Reveals that CD9 Is a Negative Marker of Glucose-Responsive Pancreatic Î ² -like Cells Derived from Human Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2020, 15, 1111-1126.	4.8	35
26	Premature Activation of Immune Transcription Programs in Autoimmune-Predisposed Mouse Embryonic Stem Cells and Blastocysts. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5743.	4.1	0
27	A Roadmap for Fixing the Heart: RNA Regulatory Networks in Cardiac Disease. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 20, 673-686.	5.1	17
28	Specific ablation of CD4 ⁺ T-cells promotes heart regeneration in juvenile mice. <i>Theranostics</i> , 2020, 10, 8018-8035.	10.0	43
29	Generation of a self-cleaved inducible Cre recombinase for efficient temporal genetic manipulation. <i>EMBO Journal</i> , 2020, 39, e102675.	7.8	22
30	The Biology of Cell-free DNA Fragmentation and the Roles of DNASE1, DNASE1L3, and DFFB. <i>American Journal of Human Genetics</i> , 2020, 106, 202-214.	6.2	127
31	Coreceptor blockade targeting CD4 and CD8 allows acceptance of allogeneic human pluripotent stem cell grafts in humanized mice. <i>Biomaterials</i> , 2020, 248, 120013.	11.4	10
32	CD8 ⁺ T-cell plasticity regulates vascular regeneration in type-2 diabetes. <i>Theranostics</i> , 2020, 10, 4217-4232.	10.0	29
33	Ectopic expression of recipient CD47 inhibits mouse macrophage-mediated immune rejection against human stem cell transplants. <i>FASEB Journal</i> , 2019, 33, 484-493.	0.5	17
34	Regulatory T-cells regulate neonatal heart regeneration by potentiating cardiomyocyte proliferation in a paracrine manner. <i>Theranostics</i> , 2019, 9, 4324-4341.	10.0	79
35	Gain-of-Function Mutations of SLC16A11 Contribute to the Pathogenesis of Type 2 Diabetes. <i>Cell Reports</i> , 2019, 26, 884-892.e4.	6.4	21
36	Genetic Tracing Identifies Early Segregation of the Cardiomyocyte and Nonmyocyte Lineages. <i>Circulation Research</i> , 2019, 125, 343-355.	4.5	29

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37	Lineage Tracing Reveals the Bipotency of SOX9+ Hepatocytes during Liver Regeneration. Stem Cell Reports, 2019, 12, 624-638.	4.8	65
38	Vedolizumab-mediated integrin $\alpha 4 \beta 7$ blockade does not control HIV-1SF162 rebound after combination antiretroviral therapy interruption in humanized mice. Aids, 2019, 33, F1-F12.	2.2	10
39	Endocardial Cell Plasticity in Cardiac Development, Diseases and Regeneration. Circulation Research, 2018, 122, 774-789.	4.5	88
40	Genetic Fate Mapping Defines the Vascular Potential of Endocardial Cells in the Adult Heart. Circulation Research, 2018, 122, 984-993.	4.5	65
41	Replenishing the damaged heart with oxygen by nature-inspired photosynthesis. Future Cardiology, 2018, 14, 101-103.	1.2	0
42	Genetic Lineage Tracing of Nonmyocyte Population by Dual Recombinases. Circulation, 2018, 138, 793-805.	1.6	163
43	DNase1 Does Not Appear to Play a Major Role in the Fragmentation of Plasma DNA in a Knockout Mouse Model. Clinical Chemistry, 2018, 64, 406-408.	3.2	34
44	Fate Mapping of Sca1 + Cardiac Progenitor Cells in the Adult Mouse Heart. Circulation, 2018, 138, 2967-2969.	1.6	42
45	Single-cell transcriptomics reveal that PD-1 mediates immune tolerance by regulating proliferation of regulatory T cells. Genome Medicine, 2018, 10, 71.	8.2	30
46	Genetic lineage tracing of resident stem cells by DealT. Nature Protocols, 2018, 13, 2217-2246.	12.0	17
47	Deconstructive somatic cell nuclear transfer reveals novel regulatory T-cell subsets. Journal of Allergy and Clinical Immunology, 2018, 142, 997-1000.e4.	2.9	9
48	Regulatory T-Cells: Potential Regulator of Tissue Repair and Regeneration. Frontiers in Immunology, 2018, 9, 585.	4.8	214
49	Reassessing endothelial-to-mesenchymal transition in cardiovascular diseases. Nature Reviews Cardiology, 2018, 15, 445-456.	13.7	179
50	Dual genetic tracing system identifies diverse and dynamic origins of cardiac valve mesenchyme. Development (Cambridge), 2018, 145, .	2.5	35
51	Regulatory T Cells Promote Apelin-Mediated Sprouting Angiogenesis in Type 2 Diabetes. Cell Reports, 2018, 24, 1610-1626.	6.4	60
52	Embryonic senescent cells re-enter cell cycle and contribute to tissues after birth. Cell Research, 2018, 28, 775-778.	12.0	37
53	Deciphering the Role of microRNAs in Regulation of Immune Surveillance, Self-Tolerance and Allograft Transplant Outcome. Current Stem Cell Research and Therapy, 2018, 13, 336-344.	1.3	2
54	Integrative single-cell and cell-free plasma RNA transcriptomics elucidates placental cellular dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7786-E7795.	7.1	242

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55	Fibroblasts in an endocardial fibroelastosis disease model mainly originate from mesenchymal derivatives of epicardium. <i>Cell Research</i> , 2017, 27, 1157-1177.	12.0	39
56	Individual Variation in Conditional \hat{I}^2 Cell Ablation Mice Contributes Significant Biases in Evaluating \hat{I}^2 Cell Functional Recovery. <i>Frontiers in Endocrinology</i> , 2017, 8, 242.	3.5	2
57	Preexisting endothelial cells mediate cardiac neovascularization after injury. <i>Journal of Clinical Investigation</i> , 2017, 127, 2968-2981.	8.2	146
58	Vascular Development and Regeneration in the Mammalian Heart. <i>Journal of Cardiovascular Development and Disease</i> , 2016, 3, 23.	1.6	4
59	A Self-restricted CRISPR System to Reduce Off-target Effects. <i>Molecular Therapy</i> , 2016, 24, 1508-1510.	8.2	66
60	Mfsd2a+ hepatocytes repopulate the liver during injury and regeneration. <i>Nature Communications</i> , 2016, 7, 13369.	12.8	87
61	Genetic Modification of Human Pancreatic Progenitor Cells Through Modified mRNA. <i>Methods in Molecular Biology</i> , 2016, 1428, 307-317.	0.9	2
62	Genetic lineage tracing identifies in situ Kit-expressing cardiomyocytes. <i>Cell Research</i> , 2016, 26, 119-130.	12.0	122
63	GATA4 regulates Fgf16 to promote heart repair after injury. <i>Development (Cambridge)</i> , 2016, 143, 936-49.	2.5	79
64	Endocardium Contributes to Cardiac Fat. <i>Circulation Research</i> , 2016, 118, 254-265.	4.5	42
65	Dickkopf-3, a Tissue-Derived Modulator of Local T-Cell Responses. <i>Frontiers in Immunology</i> , 2015, 6, 78.	4.8	40
66	A Src inhibitor regulates the cell cycle of human pluripotent stem cells and improves directed differentiation. <i>Journal of Cell Biology</i> , 2015, 210, 1257-1268.	5.2	27
67	Synthetic Chemically Modified mRNA (modRNA): Toward a New Technology Platform for Cardiovascular Biology and Medicine. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2015, 5, a014035-a014035.	6.2	45
68	A Src inhibitor regulates the cell cycle of human pluripotent stem cells and improves directed differentiation. <i>Journal of Experimental Medicine</i> , 2015, 212, 212110IA91.	8.5	1
69	Editorial (Thematic Issue: Advances in Pluripotent Stem Cell-Derived Endothelial Cells: From) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T6	1.3	0
70	Manipulation of a VEGF-Notch signaling circuit drives formation of functional vascular endothelial progenitors from human pluripotent stem cells. <i>Cell Research</i> , 2014, 24, 820-841.	12.0	81
71	Cardiovascular regenerative therapeutics via synthetic paracrine factor modified mRNA. <i>Stem Cell Research</i> , 2014, 13, 693-704.	0.7	26
72	Tolerance induction to human stem cell transplants with extension to their differentiated progeny. <i>Nature Communications</i> , 2014, 5, 5629.	12.8	26

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73	Reprogramming for cardiac regeneration. <i>Global Cardiology Science & Practice</i> , 2014, 2014, 44.	0.4	4
74	Protein Kinases and Associated Pathways in Pluripotent State and Lineage Differentiation. <i>Current Stem Cell Research and Therapy</i> , 2014, 9, 366-387.	1.3	9
75	VEGF-A: The Inductive Angiogenic Factor for Development, Regeneration and Function of Pancreatic Beta Cells. <i>Current Stem Cell Research and Therapy</i> , 2014, 9, 396-400.	1.3	10
76	Modified mRNA directs the fate of heart progenitor cells and induces vascular regeneration after myocardial infarction. <i>Nature Biotechnology</i> , 2013, 31, 898-907.	17.5	528
77	Driving vascular endothelial cell fate of human multipotent Isl1+ heart progenitors with VEGF modified mRNA. <i>Cell Research</i> , 2013, 23, 1172-1186.	12.0	89
78	Highly efficient derivation of ventricular cardiomyocytes from induced pluripotent stem cells with a distinct epigenetic signature. <i>Cell Research</i> , 2012, 22, 142-154.	12.0	77
79	Human pluripotent stem cell-derived cardiovascular progenitors for heart regeneration. <i>Drug Discovery Today: Disease Models</i> , 2012, 9, e189-e197.	1.2	5
80	Induced pluripotent stem cells as a disease model for studying inherited arrhythmias: promises and hurdles. <i>Drug Discovery Today: Disease Models</i> , 2012, 9, e199-e207.	1.2	5
81	Concise Review: Immune Recognition of Induced Pluripotent Stem Cells. <i>Stem Cells</i> , 2012, 30, 797-803.	3.2	58
82	Pluripotent stem cell-based heart regeneration: From the developmental and immunological perspectives. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2012, 96, 98-108.	3.6	9
83	Bioengineering Heart Muscle: A Paradigm for Regenerative Medicine. <i>Annual Review of Biomedical Engineering</i> , 2011, 13, 245-267.	12.3	172
84	A Role for Regulatory T Cells in Acceptance of ESC-Derived Tissues Transplanted Across an Major Histocompatibility Complex Barrier A. <i>Stem Cells</i> , 2010, 28, 1905-1914.	3.2	43
85	Embryonic Stem Cells: Overcoming the Immunological Barriers to Cell Replacement Therapy. <i>Current Stem Cell Research and Therapy</i> , 2009, 4, 70-80.	1.3	57
86	Infectious tolerance via the consumption of essential amino acids and mTOR signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 12055-12060.	7.1	293