Yuan Xing

List of Publications by Year
in descending order

19 papers	1,088 citations	758635 12 h-index	940134 16 g-index
21 all docs	21 docs citations	21 times ranked	1789 citing authors

#	Article	IF	Citations
1	Recapitulating endocrine cell clustering in culture promotes maturation of human stem-cell-derived Î² cells. Nature Cell Biology, 2019, 21, 263-274.	4.6	334
2	Alginate encapsulation as long-term immune protection of allogeneic pancreatic islet cells transplanted into the omental bursa of macaques. Nature Biomedical Engineering, 2018, 2, 810-821.	11.6	242
3	Converting Adult Pancreatic Islet Î± Cells into Î² Cells by Targeting Both Dnmt1 and Arx. Cell Metabolism, 2017, 25, 622-634.	7.2	165
4	Î²-Cell Replacement in Mice Using Human Type 1 Diabetes Nuclear Transfer Embryonic Stem Cells. Diabetes, 2018, 67, 26-35.	0.3	74
5	Toll-like receptors TLR2 and TLR4 block the replication of pancreatic Î² cells in diet-induced obesity. Nature Immunology, 2019, 20, 677-686.	7.0	48
6	A pumpless microfluidic device driven by surface tension for pancreatic islet analysis. Biomedical Microdevices, 2016, 18, 80.	1.4	45
7	A microfluidic array for real-time live-cell imaging of human and rodent pancreatic islets. Lab on A Chip, 2016, 16, 1466-1472.	3.1	44
8	Islet Microencapsulation: Strategies and Clinical Status in Diabetes. Current Diabetes Reports, 2017, 17, 47.	1.7	35
9	Microfluidic Disc-on-a-Chip Device for Mouse Intervertebral Discâ€"Pitching a Next-Generation Research Platform To Study Disc Degeneration. ACS Biomaterials Science and Engineering, 2019, 5, 2041-2051.	2.6	22
10	Reduced replication fork speed promotes pancreatic endocrine differentiation and controls graft size. JCI Insight, 2021, 6, .	2.3	22
11	Genetically Encoded, Photostable Indicators to Image Dynamic Zn²⁺ Secretion of Pancreatic Islets. Analytical Chemistry, 2019, 91, 12212-12219.	3.2	20
12	In situ graphene liquid cell-transmission electron microscopy study of insulin secretion in pancreatic islet cells. International Journal of Nanomedicine, 2019, Volume 14, 371-382.	3.3	13
13	A multi-throughput mechanical loading system for mouse intervertebral disc. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 105, 103636.	1.5	8
14	A Smartphone-Fluidic Digital Imaging Analysis System for Pancreatic Islet Mass Quantification. Frontiers in Bioengineering and Biotechnology, 2021, 9, 692686.	2.0	4
15	Monitoring the Exocytosis and Full Fusion of Insulin Granules in Pancreatic Islet Cells via Graphene Liquid Cell-Transmission Electron Microscopy. Microscopy and Microanalysis, 2017, 23, 1310-1311.	0.2	3
16	Microfluidic applications on pancreatic islets and Î²-cells study for human islet transplant. , 2021, , 617-658.		1
17	FLIM Imaging of NAD(P)H to track metabolic changes of non-adherent leukemia cells using micro cell trapping arrays. , 2019, , .		1
18	Diazoxide Preconditioning of Nonhuman Primate Pancreas Improves Islet Isolation Outcomes by Mitochondrial Protection. Pancreas, 2020, 49, 706-713.	0.5	0

#	Article	IF	Citations
19	FLIM imaging of auto-fluorescent NAD(P)H and FAD to track metabolic changes of non-adherent leukemia cells using microfluidic trapping array. , 2019, , .		0