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	Reduced replication fork speed promotes pancreatic endocrine differentiation and controls graft size. JCI Insight, 2021, 6, .	2.3	22
2	A Smartphone-Fluidic Digital Imaging Analysis System for Pancreatic Islet Mass Quantification. Frontiers in Bioengineering and Biotechnology, 2021, 9, 692686.	2.0	4
3	Microfluidic applications on pancreatic islets and Î²-cells study for human islet transplant. , 2021, , 617-658.		1
4	Diazoxide Preconditioning of Nonhuman Primate Pancreas Improves Islet Isolation Outcomes by Mitochondrial Protection. Pancreas, 2020, 49, 706-713.	0.5	0
5	A multi-throughput mechanical loading system for mouse intervertebral disc. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 105, 103636.	1.5	8
6	Genetically Encoded, Photostable Indicators to Image Dynamic Zn²⁺ Secretion of Pancreatic Islets. Analytical Chemistry, 2019, 91, 12212-12219.	3.2	20
7	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
8	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
9	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
10	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
11	FLIM Imaging of NAD(P)H to track metabolic changes of non-adherent leukemia cells using micro cell trapping arrays. , 2019, , .		1
12	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
13	Î²-Cell Replacement in Mice Using Human Type 1 Diabetes Nuclear Transfer Embryonic Stem Cells. Diabetes, 2018, 67, 26-35.	0.3	74
14	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
15	Converting Adult Pancreatic Islet Î± Cells into Î² Cells by Targeting Both Dnmt1 and Arx. Cell Metabolism, 2017, 25, 622-634.	7.2	165
16	Islet Microencapsulation: Strategies and Clinical Status in Diabetes. Current Diabetes Reports, 2017, 17, 47.	1.7	35
17	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
18	A pumpless microfluidic device driven by surface tension for pancreatic islet analysis. Biomedical Microdevices, 2016, 18, 80.	1.4	45

#	Article	IF	Citations
19	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