Sumeet Pal Singh

List of Publications by Year
in descending order

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21 papers	953 citations	933447 10 h-index	713466 21 g-index
33 all docs	33 docs citations	33 times ranked	1455 citing authors

#	Article	IF	Citations
1	The regenerative capacity of zebrafish reverses cardiac failure caused by genetic cardiomyocyte depletion. Development (Cambridge), 2011, 138, 3421-3430.	2.5	339
2	Regeneration of Amputated Zebrafish Fin Rays from De Novo Osteoblasts. Developmental Cell, 2012, 22, 879-886.	7.0	189
3	Leader Î²-cells coordinate Ca2+ dynamics across pancreatic islets in vivo. Nature Metabolism, 2019, 1, 615-629.	11.9	128
4	Different developmental histories of beta-cells generate functional and proliferative heterogeneity during islet growth. Nature Communications, 2017, 8, 664.	12.8	53
5	In Toto Imaging of Dynamic Osteoblast Behaviors in Regenerating Skeletal Bone. Current Biology, 2018, 28, 3937-3947.e4.	3.9	39
6	Tissue- and time-directed electroporation of CAS9 proteinâ€“gRNA complexes in vivo yields efficient multigene knockout for studying gene function in regeneration. Npj Regenerative Medicine, 2016, 1, 16002.	5.2	29
7	Age-related islet inflammation marks the proliferative decline of pancreatic beta-cells in zebrafish. ELife, 2018, 7, .	6.0	25
8	Singleâ€cell transcriptome analysis reveals thyrocyte diversity in the zebrafish thyroid gland. EMBO Reports, 2020, 21, e50612.	4.5	23
9	Machine learning based classification of cells into chronological stages using single-cell transcriptomics. Scientific Reports, 2018, 8, 17156.	3.3	17
10	In vivo proximity labeling identifies cardiomyocyte protein networks during zebrafish heart regeneration. ELife, 2021, 10, .	6.0	16
11	Single-Cell Trajectory Inference Guided Enhancement of Thyroid Maturation In Vitro Using TGF-Beta Inhibition. Frontiers in Endocrinology, 2021, 12, 657195.	3.5	15
12	RNA-seq analysis of LPS-induced transcriptional changes and its possible implications for the adrenal gland dysregulation during sepsis. Journal of Steroid Biochemistry and Molecular Biology, 2019, 191, 105360.	2.5	14
13	A single-cell atlas of de novo Î²-cell regeneration reveals the contribution of hybrid Î²/Î´-cells to diabetes recovery in zebrafish. Development (Cambridge), 2022, 149, .	2.5	12
14	Transcriptional Analysis of Sepsis-Induced Activation and Damage of the Adrenal Endothelial Microvascular Cells. Frontiers in Endocrinology, 2019, 10, 944.	3.5	11
15	Asymmetry in the frequency and position of mitosis in the mouse embryo epiblast at gastrulation. EMBO Reports, 2020, 21, e50944.	4.5	10
16	The triumvirate of beta-cell regeneration: solutions and bottlenecks to curing diabetes. International Journal of Developmental Biology, 2018, 62, 453-464.	0.6	6
17	Analysis of Beta-cell Function Using Single-cell Resolution Calcium Imaging in Zebrafish Islets. Journal of Visualized Experiments, 2018, , .	0.3	6
18	Keratin filaments mediate the expansion of extraâ€embryonic membranes in the postâ€gastrulation mouse embryo. EMBO Journal, 2022, 41, e108747.	7.8	6

#	Article	IF	Citations
19	In vivo imaging of calcium dynamics in zebrafish hepatocytes. Hepatology, 2023, 77, 789-801.	7.3	6
20	Nuclei Isolation from Whole Tissue using a Detergent and Enzyme-Free Method. Journal of Visualized Experiments, 2020, , .	0.3	4
21	Multicolor Labeling and Tracing of Pancreatic Beta-Cell Proliferation in Zebrafish. Methods in Molecular Biology, 2020, 2128, 159-179.	0.9	1