

Mukul Tewary

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,632
citations

759233

12
h-index

888059

17
g-index

21
all docs

21
docs citations

21
times ranked

2745
citing authors

#	ARTICLE	IF	CITATIONS
1	IQCELL: A platform for predicting the effect of gene perturbations on developmental trajectories using single-cell RNA-seq data. PLoS Computational Biology, 2022, 18, e1009907.	3.2	13
2	Endogenous suppression of WNT signalling in human embryonic stem cells leads to low differentiation propensity towards definitive endoderm. Scientific Reports, 2021, 11, 6137.	3.3	6
3	Plating human iPSC lines on micropatterned substrates reveals role for ITGB1 nsSNV in endoderm formation. Stem Cell Reports, 2021, 16, 2628-2641.	4.8	4
4	Context-explorer: Analysis of spatially organized protein expression in high-throughput screens. PLoS Computational Biology, 2019, 15, e1006384.	3.2	11
5	High-throughput micropatterning platform reveals Nodal-dependent bisection of peri-gastrulation-associated versus preneurulation-associated fate patterning. PLoS Biology, 2019, 17, e3000081.	5.6	34
6	Modeling signaling-dependent pluripotency with Boolean logic to predict cell fate transitions. Molecular Systems Biology, 2018, 14, e7952.	7.2	49
7	Mechanics-guided developmental fate patterning. Nature Materials, 2018, 17, 571-572.	27.5	3
8	Stem cell bioengineering: building from stem cell biology. Nature Reviews Genetics, 2018, 19, 595-614.	16.3	76
9	Engineering the haemogenic niche mitigates endogenous inhibitory signals and controls pluripotent stem cell-derived blood emergence. Nature Communications, 2017, 8, 15380.	12.8	21
10	A stepwise model of Reaction-Diffusion and Positional-Information governs self-organized human peri-gastrulation-like patterning. Development (Cambridge), 2017, 144, 4298-4312.	2.5	124
11	Synthetic gene circuits and cellular decision-making in human pluripotent stem cells. Current Opinion in Systems Biology, 2017, 5, 93-103.	2.6	25
12	High-throughput fingerprinting of human pluripotent stem cell fate responses and lineage bias. Nature Methods, 2013, 10, 1225-1231.	19.0	59
13	An Alternative Splicing Switch Regulates Embryonic Stem Cell Pluripotency and Reprogramming. Cell, 2011, 147, 132-146.	28.9	325
14	Patterning Mouse and Human Embryonic Stem Cells Using Micro-contact Printing. Methods in Molecular Biology, 2009, 482, 21-33.	0.9	35
15	Control of Human Embryonic Stem Cell Colony and Aggregate Size Heterogeneity Influences Differentiation Trajectories. Stem Cells, 2008, 26, 2300-2310.	3.2	419
16	Niche-mediated control of human embryonic stem cell self-renewal and differentiation. EMBO Journal, 2007, 26, 4744-4755.	7.8	365
17	Spatial Organization of Embryonic Stem Cell Responsiveness to Autocrine Gp130 Ligands Reveals an Autoregulatory Stem Cell Niche. Stem Cells, 2006, 24, 2538-2548.	3.2	58