Mukul Tewary

List of Publications by Year
in descending order

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	Control of Human Embryonic Stem Cell Colony and Aggregate Size Heterogeneity Influences Differentiation Trajectories. Stem Cells, 2008, 26, 2300-2310.	3.2	419
2	Niche-mediated control of human embryonic stem cell self-renewal and differentiation. EMBO Journal, 2007, 26, 4744-4755.	7.8	365
3	An Alternative Splicing Switch Regulates Embryonic Stem Cell Pluripotency and Reprogramming. Cell, 2011, 147, 132-146.	28.9	325
4	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
5	Stem cell bioengineering: building from stem cell biology. Nature Reviews Genetics, 2018, 19, 595-614.	16.3	76
6	High-throughput fingerprinting of human pluripotent stem cell fate responses and lineage bias. Nature Methods, 2013, 10, 1225-1231.	19.0	59
7	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
8	Modeling signaling‐dependent pluripotency with Boolean logic to predict cell fate transitions. Molecular Systems Biology, 2018, 14, e7952.	7.2	49
9	Patterning Mouse and Human Embryonic Stem Cells Using Micro-contact Printing. Methods in Molecular Biology, 2009, 482, 21-33.	0.9	35
10	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
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	Engineering the haemogenic niche mitigates endogenous inhibitory signals and controls pluripotent stem cell-derived blood emergence. Nature Communications, 2017, 8, 15380.	12.8	21
13	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
14	Context-explorer: Analysis of spatially organized protein expression in high-throughput screens. PLoS Computational Biology, 2019, 15, e1006384.	3.2	11
15	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
16	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
17	Mechanics-guided developmental fate patterning. Nature Materials, 2018, 17, 571-572.	27.5	3