

# Mahendra Rao

## List of Publications by Year in descending order

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45  
papers

3,740  
citations

185998

28  
h-index

315357

38  
g-index

46  
all docs

46  
docs citations

46  
times ranked

5325  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomic alterations in cultured human embryonic stem cells. <i>Nature Genetics</i> , 2005, 37, 1099-1103.	9.4	592
2	Human embryonic stem cells have a unique epigenetic signature. <i>Genome Research</i> , 2006, 16, 1075-1083.	2.4	250
3	The cellular function of MASH1 in autonomic neurogenesis. <i>Neuron</i> , 1995, 15, 1245-1258.	3.8	230
4	Toward the Development of a Global Induced Pluripotent Stem Cell Library. <i>Cell Stem Cell</i> , 2013, 13, 382-384.	5.2	225
5	New ISSCR Guidelines Underscore Major Principles for Responsible Translational Stem Cell Research. <i>Cell Stem Cell</i> , 2008, 3, 607-609.	5.2	218
6	Transcriptome Profiling of Human and Murine ESCs Identifies Divergent Paths Required to Maintain the Stem Cell State. <i>Stem Cells</i> , 2005, 23, 166-185.	1.4	203
7	Neural stem cells and regulation of cell number. <i>Progress in Neurobiology</i> , 2002, 66, 1-18.	2.8	164
8	Efficient and Rapid Derivation of Primitive Neural Stem Cells and Generation of Brain Subtype Neurons From Human Pluripotent Stem Cells. <i>Stem Cells Translational Medicine</i> , 2013, 2, 862-870.	1.6	161
9	Conserved and divergent paths that regulate self-renewal in mouse and human embryonic stem cells. <i>Developmental Biology</i> , 2004, 275, 269-286.	0.9	159
10	Transcriptome Dynamics of Developing Photoreceptors in Three-Dimensional Retina Cultures Recapitulates Temporal Sequence of Human Cone and Rod Differentiation Revealing Cell Surface Markers and Gene Networks. <i>Stem Cells</i> , 2015, 33, 3504-3518.	1.4	153
11	Isolation and Production of Cells Suitable for Human Therapy: Challenges Ahead. <i>Cell Stem Cell</i> , 2009, 4, 20-26.	5.2	132
12	MPSS profiling of human embryonic stem cells. <i>BMC Developmental Biology</i> , 2004, 4, 10.	2.1	127
13	Microarray analysis of selected genes in neural stem and progenitor cells. <i>Journal of Neurochemistry</i> , 2002, 83, 1481-1497.	2.1	97
14	A cost-effective and efficient reprogramming platform for large-scale production of integration-free human induced pluripotent stem cells in chemically defined culture. <i>Scientific Reports</i> , 2015, 5, 11319.	1.6	96
15	Concise Review: Cord Blood Banking, Transplantation and Induced Pluripotent Stem Cell: Success and Opportunities. <i>Stem Cells</i> , 2012, 30, 55-60.	1.4	72
16	Alternative Sources of Pluripotent Stem Cells: Scientific Solutions to an Ethical Dilemma. <i>Stem Cells and Development</i> , 2008, 17, 1-10.	1.1	68
17	RPTP <sup>+</sup> and the novel protein tyrosine phosphatase RPTP <sup>+</sup> are expressed in restricted regions of the developing central nervous system. , 1997, 208, 48-61.		67
18	Regulatory Issues for Personalized Pluripotent Cells. <i>Stem Cells</i> , 2008, 26, 2753-2758.	1.4	63

#	ARTICLE	IF	CITATIONS
19	Harmonizing standards for producing clinical-grade therapies from pluripotent stem cells. <i>Nature Biotechnology</i> , 2014, 32, 724-726.	9.4	62
20	Generating iPSCs: Translating Cell Reprogramming Science into Scalable and Robust Biomanufacturing Strategies. <i>Cell Stem Cell</i> , 2015, 16, 13-17.	5.2	60
21	Heparin Promotes Cardiac Differentiation of Human Pluripotent Stem Cells in Chemically Defined Albumin-Free Medium, Enabling Consistent Manufacture of Cardiomyocytes. <i>Stem Cells Translational Medicine</i> , 2017, 6, 527-538.	1.6	59
22	Specimen Collection for Induced Pluripotent Stem Cell Research: Harmonizing the Approach to Informed Consent. <i>Stem Cells Translational Medicine</i> , 2012, 1, 409-421.	1.6	53
23	Pleiotrophin Enhances Clonal Growth and Long-Term Expansion of Human Embryonic Stem Cells. <i>Stem Cells</i> , 2007, 25, 3029-3037.	1.4	51
24	Development of a global network of induced pluripotent stem cell haplobanks. <i>Regenerative Medicine</i> , 2015, 10, 235-238.	0.8	45
25	Reprogramming antitumor immunity. <i>Trends in Immunology</i> , 2014, 35, 178-185.	2.9	39
26	Treatment Paradigms for Retinal and Macular Diseases Using 3-D Retina Cultures Derived From Human Reporter Pluripotent Stem Cell Lines. , 2016, 57, ORSF11.		35
27	Rapid and Efficient Generation of Transgene-Free iPSC from a Small Volume of Cryopreserved Blood. <i>Stem Cell Reviews and Reports</i> , 2015, 11, 652-665.	5.6	34
28	High-Throughput Phenotypic Screening of Human Astrocytes to Identify Compounds That Protect Against Oxidative Stress. <i>Stem Cells Translational Medicine</i> , 2016, 5, 613-627.	1.6	31
29	Regenerative cellular therapies for neurologic diseases. <i>Brain Research</i> , 2016, 1638, 88-96.	1.1	31
30	Comparison of the Gene Expression Profiles of Human Fetal Cortical Astrocytes with Pluripotent Stem Cell Derived Neural Stem Cells Identifies Human Astrocyte Markers and Signaling Pathways and Transcription Factors Active in Human Astrocytes. <i>PLoS ONE</i> , 2014, 9, e96139.	1.1	31
31	Motor Neuron Differentiation from Pluripotent Stem Cells and Other Intermediate Proliferative Precursors that can be Discriminated by Lineage Specific Reporters. <i>Stem Cell Reviews and Reports</i> , 2015, 11, 194-204.	5.6	24
32	Concise Review: Modeling Central Nervous System Diseases Using Induced Pluripotent Stem Cells. <i>Stem Cells Translational Medicine</i> , 2014, 3, 1418-1428.	1.6	21
33	Cell therapy worldwide: an incipient revolution. <i>Regenerative Medicine</i> , 2015, 10, 181-191.	0.8	21
34	Designing, Testing, and Validating a Focused Stem Cell Microarray for Characterization of Neural Stem Cells and Progenitor Cells. <i>Stem Cells</i> , 2003, 21, 575-587.	1.4	20
35	Development of a Multiplex PCR Assay for Characterization of Embryonic Stem Cells. <i>Methods in Molecular Biology</i> , 2013, 1006, 147-166.	0.4	13
36	Tumorigenesis and Embryonic Stem Cell-Derived Therapy. <i>Stem Cells and Development</i> , 2007, 16, 903-904.	1.1	9

#	ARTICLE	IF	CITATIONS
37	Musings on genome medicine: is there hope for ethical and safe stem cell therapeutics?. Genome Medicine, 2009, 1, 70.	3.6	7
38	Introduction to Thematic Minireview Series: Development of Human Therapeutics Based on Induced Pluripotent Stem Cell (iPSC) Technology. Journal of Biological Chemistry, 2014, 289, 4553-4554.	1.6	7
39	Gene Expression Analysis of RNA Purified from Embryonic Stem Cells and Embryoid Bodyâ€Derived Cells Using a Highâ€Throughput Microarray Platform. Current Protocols in Stem Cell Biology, 2007, 2, Unit 1B.2.	3.0	5
40	Human Embryonic Stem Cells, Dopaminergic Neurons, and Pathways for Developing a Parkinson's Disease Therapy. , 2007, , 523-544.		1
41	Setting up a Facility for Human Embryonic Stem Cell Research. , 2007, , 389-413.		1
42	Role of DNA Methylation and Epigenetics in Stem Cells. , 2009, , 269-276.		1
43	Banking of Pluripotent Stem Cells: Issues and Opportunities from the NIH Perspective. Pancreatic Islet Biology, 2014, , 77-93.	0.1	1
44	Neural Cell Specification during Development. , 2004, , 223-258.		1
45	Setting up a Research Scale Laboratory for Human Pluripotent Stem Cells. , 2012, , 77-103.		0