

Pankaj Kumar Mandal

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

5,063
citations

430874

18
h-index

713466

21
g-index

24
all docs

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docs citations

24
times ranked

8722
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Efficient Reprogramming to Pluripotency and Directed Differentiation of Human Cells with Synthetic Modified mRNA. <i>Cell Stem Cell</i> , 2010, 7, 618-630.	11.1	2,368
2	Human iPSC-Based Modeling of Late-Onset Disease via Progerin-Induced Aging. <i>Cell Stem Cell</i> , 2013, 13, 691-705.	11.1	613
3	Efficient Ablation of Genes in Human Hematopoietic Stem and Effector Cells using CRISPR/Cas9. <i>Cell Stem Cell</i> , 2014, 15, 643-652.	11.1	406
4	Reprogramming Committed Murine Blood Cells to Induced Hematopoietic Stem Cells with Defined Factors. <i>Cell</i> , 2014, 157, 549-564.	28.9	290
5	System xc ⁻ and Thioredoxin Reductase 1 Cooperatively Rescue Glutathione Deficiency. <i>Journal of Biological Chemistry</i> , 2010, 285, 22244-22253.	3.4	183
6	Reprogramming human fibroblasts to pluripotency using modified mRNA. <i>Nature Protocols</i> , 2013, 8, 568-582.	12.0	180
7	DNA damage response in adult stem cells: pathways and consequences. <i>Nature Reviews Molecular Cell Biology</i> , 2011, 12, 198-202.	37.0	172
8	<i>Fgd5</i> identifies hematopoietic stem cells in the murine bone marrow. <i>Journal of Experimental Medicine</i> , 2014, 211, 1315-1331.	8.5	162
9	Loss of Thioredoxin Reductase 1 Renders Tumors Highly Susceptible to Pharmacologic Glutathione Deprivation. <i>Cancer Research</i> , 2010, 70, 9505-9514.	0.9	120
10	Selective activation of oxidized PTP1B by the thioredoxin system modulates PDGF- β receptor tyrosine kinase signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13398-13403.	7.1	89
11	Ectopic expression of RAD52 and dn53BP1 improves homology-directed repair during CRISPR-Cas9 genome editing. <i>Nature Biomedical Engineering</i> , 2017, 1, 878-888.	22.5	83
12	Murine HSCs contribute actively to native hematopoiesis but with reduced differentiation capacity upon aging. <i>ELife</i> , 2018, 7, .	6.0	77
13	Mitochondrial Thioredoxin Reductase Is Essential for Early Postischemic Myocardial Protection. <i>Circulation</i> , 2011, 124, 2892-2902.	1.6	70
14	Absence of Glutathione Peroxidase 4 Affects Tumor Angiogenesis through Increased 12/15-Lipoxygenase Activity. <i>Neoplasia</i> , 2010, 12, 254-263.	5.3	67
15	Mitotic History Reveals Distinct Stem Cell Populations and Their Contributions to Hematopoiesis. <i>Cell Reports</i> , 2016, 14, 2809-2818.	6.4	55
16	A Common Origin for B-1a and B-2 Lymphocytes in Clonal Pre-Hematopoietic Stem Cells. <i>Stem Cell Reports</i> , 2017, 8, 1563-1572.	4.8	41
17	DNA-Damage-Induced Differentiation in Hematopoietic Stem Cells. <i>Cell</i> , 2012, 148, 847-848.	28.9	27
18	Sec-containing TrxR1 is essential for self-sufficiency of cells by control of glucose-derived H ₂ O ₂ . <i>Cell Death and Disease</i> , 2014, 5, e1235-e1235.	6.3	25

#	ARTICLE	IF	CITATIONS
19	Genome Editing for Human Gene Therapy. <i>Methods in Enzymology</i> , 2014, 546, 273-295.	1.0	17
20	Viability and DNA damage responses of TPPII-deficient Myc- and Ras-transformed fibroblasts. <i>Biochemical and Biophysical Research Communications</i> , 2009, 386, 563-568.	2.1	8
21	Hematopoietic Stem Cells Are Active Contributors to Hematopoiesis in Steady State. <i>Blood</i> , 2016, 128, 421-421.	1.4	0