Utpal Banerjee

List of Publications by Year
in descending order

35 papers	5,486 citations	236612 25 h-index	360668 35 g-index
57 all docs	57 docs citations	57 times ranked	5190 citing authors

#	Article	IF	Citations
1	Reactive oxygen species prime Drosophila haematopoietic progenitors for differentiation. Nature, 2009, 461, 537-541.	13.7	638
2	Specification of Drosophila Hematopoietic Lineage by Conserved Transcription Factors. Science, 2000, 288, 146-149.	6.0	441
3	Thicker Than Blood. Developmental Cell, 2003, 5, 673-690.	3.1	384
4	Distinct mitochondrial retrograde signals control the G1-S cell cycle checkpoint. Nature Genetics, 2008, 40, 356-361.	9.4	338
5	The Drosophila lymph gland as a developmental model of hematopoiesis. Development (Cambridge), 2005, 132, 2521-2533.	1.2	331
6	G-TRACE: rapid Gal4-based cell lineage analysis in Drosophila. Nature Methods, 2009, 6, 603-605.	9.0	314
7	A Hedgehog- and Antennapedia-dependent niche maintains Drosophila haematopoietic precursors. Nature, 2007, 446, 320-324.	13.7	264
8	Combinatorial Signaling in the Specification of Unique Cell Fates. Cell, 2000, 103, 75-85.	13.5	232
9	Nuclear Localization of Mitochondrial TCA Cycle Enzymes as a Critical Step in Mammalian Zygotic Genome Activation. Cell, 2017, 168, 210-223.e11.	13.5	224
10	Drosophila as a Genetic Model for Hematopoiesis. Genetics, 2019, 211, 367-417.	1.2	216
11	A Serrate-expressing signaling center controls Drosophila hematopoiesis. Genes and Development, 2003, 17, 348-353.	2.7	197
12	Evidence for a fruit fly hemangioblast and similarities between lymph-gland hematopoiesis in fruit fly and mammal aorta-gonadal-mesonephros mesoderm. Nature Genetics, 2004, 36, 1019-1023.	9.4	187
13	Extracellular Matrix Remodeling Regulates Glucose Metabolism through TXNIP Destabilization. Cell, 2018, 175, 117-132.e21.	13.5	180
14	Interaction between Differentiating Cell- and Niche-Derived Signals in Hematopoietic Progenitor Maintenance. Cell, 2011, 147, 1589-1600.	13.5	178
15	Interaction Between Notch and Hif-Î± in Development and Survival of Drosophila Blood Cells. Science, 2011, 332, 1210-1213.	6.0	170
16	chinmo Is a Functional Effector of the JAK/STAT Pathway that Regulates Eye Development, Tumor Formation, and Stem Cell Self-Renewal in Drosophila. Developmental Cell, 2010, 18, 556-568.	3.1	169
17	Direct sensing of systemic and nutritional signals by haematopoietic progenitors in Drosophila. Nature Cell Biology, 2012, 14, 394-400.	4.6	131
18	Dual Role of Wingless Signaling in Stem-like Hematopoietic Precursor Maintenance in Drosophila. Developmental Cell, 2009, 16, 756-763.	3.1	125

#	Article	IF	Citations
19	Olfactory Control of Blood Progenitor Maintenance. Cell, 2013, 155, 1141-1153.	13.5	112
20	Oxidative stress in the haematopoietic niche regulates the cellular immune response in Drosophila. EMBO Reports, 2012, 13, 83-89.	2.0	99
21	Glycolysis-Independent Glucose Metabolism Distinguishes TE from ICM Fate during Mammalian Embryogenesis. Developmental Cell, 2020, 53, 9-26.e4.	3.1	97
22	Drosophila hematopoiesis: Markers and methods for molecular genetic analysis. Methods, 2014, 68, 242-251.	1.9	91
23	In vivo genetic dissection of tumor growth and the Warburg effect. ELife, 2016, 5, .	2.8	78
24	Combinatorial signaling in the specification of primary pigment cells in the Drosophila eye. Development (Cambridge), 2007, 134, 825-831.	1.2	65
25	Pvr expression regulators in equilibrium signal control and maintenance of Drosophila blood progenitors. ELife, 2014, 3, e03626.	2.8	53
26	Metabolic plasticity drives development during mammalian embryogenesis. Developmental Cell, 2021, 56, 2329-2347.e6.	3.1	29
27	Paths and pathways that generate cell-type heterogeneity and developmental progression in hematopoiesis. ELife, 2021, 10, .	2.8	24
28	Systemic control of immune cell development by integrated carbon dioxide and hypoxia chemosensation in Drosophila. Nature Communications, 2018, 9, 2679.	5.8	21
29	Variation of NimC1 expression inDrosophilastocks and transgenic strains. Fly, 2013, 7, 263-268.	0.9	20
30	Cardiomyocytes disrupt pyrimidine biosynthesis in nonmyocytes to regulate heart repair. Journal of Clinical Investigation, 2022, 132, .	3.9	16
31	Injury-induced inflammatory signaling and hematopoiesis in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2119109119.	3.3	15
32	Expression-Based Cell Lineage Analysis inDrosophilaThrough a Course-Based Research Experience for Early Undergraduates. G3: Genes, Genomes, Genetics, 2019, 9, 3791-3800.	0.8	13
33	Intermediate progenitor cells provide a transition between hematopoietic progenitors and their differentiated descendants. Development (Cambridge), 2021, 148, .	1.2	9
34	A functional genomics screen identifying blood cell development genes in Drosophila by undergraduates participating in a course-based research experience. G3: Genes, Genomes, Genetics, 2021, 11, 1-23.	0.8	8
35	Dissection and Mounting of Drosophila Pupal Eye Discs. Journal of Visualized Experiments, 2014, , e52315.	0.2	7