Guillaume Blin

List of Publications by Year
in descending order

26 papers	2,085 citations	567281 15 h-index	677142 22 g-index
30 all docs	30 docs citations	30 times ranked	3401 citing authors

#	Article	IF	Citations
1	In preprints: the problem of producing precise patterns. Development (Cambridge), 2022, 149, .	2.5	1
2	SyNPL: Synthetic Notch pluripotent cell lines to monitor and manipulate cell interactions in vitro and in vivo. Development (Cambridge), 2022, 149, .	2.5	11
3	Quantitative developmental biology in vitro using micropatterning. Development (Cambridge), 2021, 148, .	2.5	20
4	Predicting pattern formation in embryonic stem cells using a minimalist, agent-based probabilistic model. Scientific Reports, 2020, 10, 16209.	3.3	0
5	Assessing Preferred Proximity Between Different Types of Embryonic Stem Cells. , 2020, , .		0
6	Nessys: A new set of tools for the automated detection of nuclei within intact tissues and dense 3D cultures. PLoS Biology, 2019, 17, e3000388.	5.6	36
7	N-cadherin stabilises neural identity by dampening anti-neural signals. Development (Cambridge), 2019, 146, .	2.5	17
8	Id1 Stabilizes Epiblast Identity by Sensing Delays in Nodal Activation and Adjusting the Timing of Differentiation. Developmental Cell, 2019, 50, 462-477.e5.	7.0	12
9	Mapping the Emergent Spatial Organization of Mammalian Cells using Micropatterns and Quantitative Imaging. Journal of Visualized Experiments, 2019, , .	0.3	3
10	Investigating Motility and Pattern Formation in Pluripotent Stem Cells Through Agent-Based Modeling. , 2019, , .		1
11	Agent-Based Modelling of Pattern Formation in Pluripotent Stem Cells: Initial Experiments and Results. , 2018, , .		0
12	Geometrical confinement controls the asymmetric patterning of Brachyury in cultures of pluripotent cells. Development (Cambridge), 2018, 145, .	2.5	44
13	Polarity Reversal by Centrosome Repositioning Primes Cell Scattering during Epithelial-to-Mesenchymal Transition. Developmental Cell, 2017, 40, 168-184.	7.0	89
14	Convergence of microengineering and cellular self-organization towards functional tissue manufacturing. Nature Biomedical Engineering, 2017, 1, 939-956.	22.5	90
15	Position-dependent plasticity of distinct progenitor types in the primitive streak. ELife, 2016, 5, e10042.	6.0	169
16	Distinct Wnt-driven primitive streak-like populations reflect in vivo lineage precursors. Development (Cambridge), 2014, 141, 1209-1221.	2.5	215
17	Tcf15 Primes Pluripotent Cells for Differentiation. Cell Reports, 2013, 3, 472-484.	6.4	56
18	Hes1 Desynchronizes Differentiation of Pluripotent Cells by Modulating STAT3 Activity. Stem Cells, 2013, 31, 1511-1522.	3.2	36

#	Article	IF	Citations
19	Bone morphogenic protein signalling suppresses differentiation of pluripotent cells by maintaining expression of E-Cadherin. ELife, 2013, 2, e01197.	6.0	58
20	The developmental dismantling of pluripotency is reversed by ectopic Oct4 expression. Development (Cambridge), 2012, 139, 2288-2298.	2.5	156
21	The developmental dismantling of pluripotency is reversed by ectopic Oct4 expression. Journal of Cell Science, 2012, 125, e1-e1.	2.0	1
22	Human Embryonic and Induced Pluripotent Stem Cells in Basic and Clinical Research in Cardiology. Current Stem Cell Research and Therapy, 2010, 5, 215-226.	1.3	12
23	Multiple Functionalities of Polyelectrolyte Multilayer Films: New Biomedical Applications. Advanced Materials, 2010, 22, 441-467.	21.0	656
24	Nano-scale control of cellular environment to drive embryonic stem cells selfrenewal and fate. Biomaterials, 2010, 31, 1742-1750.	11.4	52
25	A purified population of multipotent cardiovascular progenitors derived from primate pluripotent stem cells engrafts in postmyocardial infarcted nonhuman primates. Journal of Clinical Investigation, 2010, 120, 1125-1139.	8.2	287
26	Quantitative Analysis of the Binding of Ezrin to Large Unilamellar Vesicles Containing Phosphatidylinositol 4,5 Bisphosphate. Biophysical Journal, 2008, 94, 1021-1033.	0.5	57