

# Guillaume Blin

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Multiple Functionalities of Polyelectrolyte Multilayer Films: New Biomedical Applications. <i>Advanced Materials</i> , 2010, 22, 441-467.	21.0	656
2	A purified population of multipotent cardiovascular progenitors derived from primate pluripotent stem cells engrafts in postmyocardial infarcted nonhuman primates. <i>Journal of Clinical Investigation</i> , 2010, 120, 1125-1139.	8.2	287
3	Distinct Wnt-driven primitive streak-like populations reflect <i>in vivo</i> lineage precursors. <i>Development (Cambridge)</i> , 2014, 141, 1209-1221.	2.5	215
4	Position-dependent plasticity of distinct progenitor types in the primitive streak. <i>ELife</i> , 2016, 5, e10042.	6.0	169
5	The developmental dismantling of pluripotency is reversed by ectopic Oct4 expression. <i>Development (Cambridge)</i> , 2012, 139, 2288-2298.	2.5	156
6	Convergence of microengineering and cellular self-organization towards functional tissue manufacturing. <i>Nature Biomedical Engineering</i> , 2017, 1, 939-956.	22.5	90
7	Polarity Reversal by Centrosome Repositioning Primes Cell Scattering during Epithelial-to-Mesenchymal Transition. <i>Developmental Cell</i> , 2017, 40, 168-184.	7.0	89
8	Bone morphogenic protein signalling suppresses differentiation of pluripotent cells by maintaining expression of E-Cadherin. <i>ELife</i> , 2013, 2, e01197.	6.0	58
9	Quantitative Analysis of the Binding of Ezrin to Large Unilamellar Vesicles Containing Phosphatidylinositol 4,5 Bisphosphate. <i>Biophysical Journal</i> , 2008, 94, 1021-1033.	0.5	57
10	Tcf15 Primes Pluripotent Cells for Differentiation. <i>Cell Reports</i> , 2013, 3, 472-484.	6.4	56
11	Nano-scale control of cellular environment to drive embryonic stem cells selfrenewal and fate. <i>Biomaterials</i> , 2010, 31, 1742-1750.	11.4	52
12	Geometrical confinement controls the asymmetric patterning of Brachyury in cultures of pluripotent cells. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	44
13	Hes1 Desynchronizes Differentiation of Pluripotent Cells by Modulating STAT3 Activity. <i>Stem Cells</i> , 2013, 31, 1511-1522.	3.2	36
14	Nessys: A new set of tools for the automated detection of nuclei within intact tissues and dense 3D cultures. <i>PLoS Biology</i> , 2019, 17, e3000388.	5.6	36
15	Quantitative developmental biology <i>in vitro</i> using micropatterning. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	20
16	N-cadherin stabilises neural identity by dampening anti-neural signals. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	17
17	Human Embryonic and Induced Pluripotent Stem Cells in Basic and Clinical Research in Cardiology. <i>Current Stem Cell Research and Therapy</i> , 2010, 5, 215-226.	1.3	12
18	Id1 Stabilizes Epiblast Identity by Sensing Delays in Nodal Activation and Adjusting the Timing of Differentiation. <i>Developmental Cell</i> , 2019, 50, 462-477.e5.	7.0	12

#	ARTICLE	IF	CITATIONS
19	SyNPL: Synthetic Notch pluripotent cell lines to monitor and manipulate cell interactions <i>in vitro</i> and <i>in vivo</i> . <i>Development (Cambridge)</i> , 2022, 149, .	2.5	11
20	Mapping the Emergent Spatial Organization of Mammalian Cells using Micropatterns and Quantitative Imaging. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	3
21	Investigating Motility and Pattern Formation in Pluripotent Stem Cells Through Agent-Based Modeling. , 2019, , .		1
22	The developmental dismantling of pluripotency is reversed by ectopic Oct4 expression. <i>Journal of Cell Science</i> , 2012, 125, e1-e1.	2.0	1
23	In preprints: the problem of producing precise patterns. <i>Development (Cambridge)</i> , 2022, 149, .	2.5	1
24	Agent-Based Modelling of Pattern Formation in Pluripotent Stem Cells: Initial Experiments and Results. , 2018, , .		0
25	Predicting pattern formation in embryonic stem cells using a minimalist, agent-based probabilistic model. <i>Scientific Reports</i> , 2020, 10, 16209.	3.3	0
26	Assessing Preferred Proximity Between Different Types of Embryonic Stem Cells. , 2020, , .		0