

# Robert Hauschild

## List of Publications by Year in descending order

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37  
papers

3,331  
citations

236925

25  
h-index

345221

36  
g-index

46  
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46  
docs citations

46  
times ranked

5187  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interstitial Dendritic Cell Guidance by Haptotactic Chemokine Gradients. <i>Science</i> , 2013, 339, 328-332.	12.6	474
2	Forces Driving Epithelial Spreading in Zebrafish Gastrulation. <i>Science</i> , 2012, 338, 257-260.	12.6	368
3	Nuclear positioning facilitates amoeboid migration along the path of least resistance. <i>Nature</i> , 2019, 568, 546-550.	27.8	212
4	Template-Assisted Large-Scale Ordered Arrays of ZnO Pillars for Optical and Piezoelectric Applications. <i>Small</i> , 2006, 2, 561-568.	10.0	209
5	Load Adaptation of Lamellipodial Actin Networks. <i>Cell</i> , 2017, 171, 188-200.e16.	28.9	202
6	Biased partitioning of the multidrug efflux pump AcrAB-TolC underlies long-lived phenotypic heterogeneity. <i>Science</i> , 2017, 356, 311-315.	12.6	168
7	Diversified actin protrusions promote environmental exploration but are dispensable for locomotion of leukocytes. <i>Nature Cell Biology</i> , 2016, 18, 1253-1259.	10.3	150
8	Cellular locomotion using environmental topography. <i>Nature</i> , 2020, 582, 582-585.	27.8	150
9	Ordered, uniform-sized ZnO nanolaser arrays. <i>Applied Physics Letters</i> , 2007, 91, 181112.	3.3	129
10	Inhibition of cell expansion by rapid ABP1-mediated auxin effect on microtubules. <i>Nature</i> , 2014, 516, 90-93.	27.8	129
11	Live tracking of moving samples in confocal microscopy for vertically grown roots. <i>ELife</i> , 2017, 6, .	6.0	123
12	Chemokines and integrins independently tune actin flow and substrate friction during intranodal migration of T cells. <i>Nature Immunology</i> , 2018, 19, 606-616.	14.5	96
13	Microtubules control cellular shape and coherence in amoeboid migrating cells. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	70
14	A microfluidic device for measuring cell migration towards substrate-bound and soluble chemokine gradients. <i>Scientific Reports</i> , 2016, 6, 36440.	3.3	69
15	Nontopological zero-bias peaks in full-shell nanowires induced by flux-tunable Andreev states. <i>Science</i> , 2021, 373, 82-88.	12.6	69
16	Guided modes in ZnO nanorods. <i>Applied Physics Letters</i> , 2006, 89, 123107.	3.3	68
17	Locally Triggered Release of the Chemokine CCL21 Promotes Dendritic Cell Transmigration across Lymphatic Endothelia. <i>Cell Reports</i> , 2017, 19, 902-909.	6.4	64
18	Photosensitization of TiO <sub>2</sub> and SnO <sub>2</sub> by Artificial Self-Assembling Mimics of the Natural Chlorosomal Bacteriochlorophylls. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11726-11733.	3.1	57

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19	Lymphatic exosomes promote dendritic cell migration along guidance cues. <i>Journal of Cell Biology</i> , 2018, 217, 2205-2221.	5.2	57
20	Dendritic Cells Interpret Haptotactic Chemokine Gradients in a Manner Governed by Signal-to-Noise Ratio and Dependent on GRK6. <i>Current Biology</i> , 2017, 27, 1314-1325.	3.9	50
21	WASp triggers mechanosensitive actin patches to facilitate immune cell migration in dense tissues. <i>Developmental Cell</i> , 2022, 57, 47-62.e9.	7.0	47
22	Syntheses and Energy Transfer in Multiporphyrinic Arrays Self-Assembled with Hydrogen-Bonding Recognition Groups and Comparison with Covalent Steroidal Models. <i>Chemistry - A European Journal</i> , 2007, 13, 8411-8427.	3.3	45
23	Absolute external luminescence quantum efficiency of zinc oxide. <i>Applied Physics Letters</i> , 2008, 92, 211105.	3.3	45
24	Zebrafish embryonic explants undergo genetically encoded self-assembly. <i>ELife</i> , 2020, 9, .	6.0	44
25	Programmed Metalloporphyrins for Self-Assembly within Light-Harvesting Stacks: (5,15-Dicyano-10,20-bis(3,5-di-tert-butylphenyl)porphyrinato)zinc(II) and Its Push-Pull 15-N,N-Dialkylamino-5-cyano Congeners Obtained by a Facile Direct Amination. <i>Journal of Physical Chemistry B</i> , 2008, 112, 5512-5521.	2.6	35
26	AGC kinases and MAB4/MEL proteins maintain PIN polarity by limiting lateral diffusion in plant cells. <i>Current Biology</i> , 2021, 31, 1918-1930.e5.	3.9	28
27	Developmental roles of Auxin Binding Protein 1 in <i>Arabidopsis thaliana</i> . <i>Plant Science</i> , 2021, 303, 110750.	3.6	26
28	Macroscopic energy transport in ZnO monitored by spatiotemporally resolved luminescence. <i>Applied Physics Letters</i> , 2005, 86, 111909.	3.3	25
29	Dendritic cell actin dynamics control contact duration and priming efficiency at the immunological synapse. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	25
30	Fast and efficient genetic engineering of hematopoietic precursor cells for the study of dendritic cell migration. <i>European Journal of Immunology</i> , 2018, 48, 1074-1077.	2.9	24
31	Multitier mechanics control stromal adaptations in the swelling lymph node. <i>Nature Immunology</i> , 2022, 23, 1246-1255.	14.5	19
32	3D printed cell culture grid holders for improved cellular specimen preparation in cryo-electron microscopy. <i>Journal of Structural Biology</i> , 2020, 212, 107633.	2.8	18
33	Light Sheet Fluorescence Microscopy of Plant Roots Growing on the Surface of a Gel. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	15
34	Room-Temperature Stimulated Emission in ZnO: Doubts on Excitonic Lasing. <i>Journal of the Korean Physical Society</i> , 2008, 53, 2800-2802.	0.7	3
35	Sequential and Switchable Patterning for Studying Cellular Processes under Spatiotemporal Control. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 35545-35560.	8.0	1
36	Towards Ordered, Uniformly-Sized ZnO Single-Crystal Nanorod Arrays. <i>Journal of the Korean Physical Society</i> , 2008, 53, 2893-2896.	0.7	1

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37	Measurements of the External Luminescence Quantum Efficiency of Zinc Oxide. Journal of the Korean Physical Society, 2008, 53, 2826-2829.	0.7	0