

# Pablo Vargas

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

3,999  
citations

257450

24  
h-index

276875

41  
g-index

50  
all docs

50  
docs citations

50  
times ranked

6350  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rubella vaccine-induced granulomas are a novel phenotype with incomplete penetrance of genetic defects in cytotoxicity. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 388-399.e4.	2.9	11
2	The tumor suppressor adenomatous polyposis coli regulates T lymphocyte migration. <i>Science Advances</i> , 2022, 8, eabl5942.	10.3	11
3	HIF2 $\alpha$ is a direct regulator of neutrophil motility. <i>Blood</i> , 2021, 137, 3416-3427.	1.4	13
4	Pinching the cortex of live cells reveals thickness instabilities caused by myosin II motors. <i>Science Advances</i> , 2021, 7, .	10.3	10
5	Deterministic actin waves as generators of cell polarization cues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 826-835.	7.1	39
6	Predicting Confined 1D Cell Migration from Parameters Calibrated to a 2D Motor-Clutch Model. <i>Biophysical Journal</i> , 2020, 118, 1709-1720.	0.5	20
7	A statistical inference approach to reconstruct intercellular interactions in cell migration experiments. <i>Science Advances</i> , 2020, 6, eaay2103.	10.3	8
8	Sliding walls: a new paradigm for fluidic actuation and protocol implementation in microfluidics. <i>Microsystems and Nanoengineering</i> , 2020, 6, 18.	7.0	15
9	Myosin II Activity Is Selectively Needed for Migration in Highly Confined Microenvironments in Mature Dendritic Cells. <i>Frontiers in Immunology</i> , 2019, 10, 747.	4.8	38
10	Reconstitution of cell migration at a glance. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	19
11	Profilin and formin constitute a pacemaker system for robust actin filament growth. <i>ELife</i> , 2019, 8, .	6.0	80
12	Role of calcium permeable channels in dendritic cell migration. <i>Current Opinion in Immunology</i> , 2018, 52, 74-80.	5.5	19
13	Leukocyte Migration and Deformation in Collagen Gels and Microfabricated Constrictions. <i>Methods in Molecular Biology</i> , 2018, 1749, 361-373.	0.9	18
14	Diversification of human plasmacytoid dendritic cells in response to a single stimulus. <i>Nature Immunology</i> , 2018, 19, 63-75.	14.5	106
15	Innate Immune Signals Induce Anterograde Endosome Transport Promoting MHC Class I Cross-Presentation. <i>Cell Reports</i> , 2018, 24, 3568-3581.	6.4	33
16	Lysosome signaling controls the migration of dendritic cells. <i>Science Immunology</i> , 2017, 2, .	11.9	119
17	A tuneable microfluidic system for long duration chemotaxis experiments in a 3D collagen matrix. <i>Lab on A Chip</i> , 2017, 17, 3851-3861.	6.0	21
18	ATP promotes the fast migration of dendritic cells through the activity of pannexin 1 channels and P2X <sub>7</sub> receptors. <i>Science Signaling</i> , 2017, 10, .	3.6	130

#	ARTICLE	IF	CITATIONS
19	UNC93B1 interacts with the calcium sensor STIM1 for efficient antigen cross-presentation in dendritic cells. <i>Nature Communications</i> , 2017, 8, 1640.	12.8	34
20	Mechanisms for fast cell migration in complex environments. <i>Current Opinion in Cell Biology</i> , 2017, 48, 72-78.	5.4	53
21	Caveolin-1 Expression Increases upon Maturation in Dendritic Cells and Promotes Their Migration to Lymph Nodes Thereby Favoring the Induction of CD8+ T Cell Responses. <i>Frontiers in Immunology</i> , 2017, 8, 1794.	4.8	19
22	Perinuclear Arp2/3-driven actin polymerization enables nuclear deformation to facilitate cell migration through complex environments. <i>Nature Communications</i> , 2016, 7, 10997.	12.8	282
23	Arc/Arg3.1 governs inflammatory dendritic cell migration from the skin and thereby controls T cell activation. <i>Science Immunology</i> , 2016, 1, eaaf8665.	11.9	40
24	Innate control of actin nucleation determines two distinct migration behaviours in dendritic cells. <i>Nature Cell Biology</i> , 2016, 18, 43-53.	10.3	184
25	ESCRT III repairs nuclear envelope ruptures during cell migration to limit DNA damage and cell death. <i>Science</i> , 2016, 352, 359-362.	12.6	738
26	Study of dendritic cell migration using micro-fabrication. <i>Journal of Immunological Methods</i> , 2016, 432, 30-34.	1.4	26
27	Toll-like Receptor 4 Engagement on Dendritic Cells Restrains Phago-Lysosome Fusion and Promotes Cross-Presentation of Antigens. <i>Immunity</i> , 2015, 43, 1087-1100.	14.3	160
28	Cell migration and antigen capture are antagonistic processes coupled by myosin II in dendritic cells. <i>Nature Communications</i> , 2015, 6, 7526.	12.8	143
29	Space exploration by dendritic cells requires maintenance of myosin II activity by IP3 receptor 1. <i>EMBO Journal</i> , 2015, 34, 798-810.	7.8	29
30	Study of Cell Migration in Microfabricated Channels. <i>Journal of Visualized Experiments</i> , 2014, , e51099.	0.3	26
31	Migration of dendritic cells: physical principles, molecular mechanisms, and functional implications. <i>Immunological Reviews</i> , 2013, 256, 240-254.	6.0	111
32	Epithelial control of the human pDC response to extracellular bacteria. <i>European Journal of Immunology</i> , 2013, 43, 1264-1273.	2.9	36
33	Role of UNC93B1 in the MHC class I cross presentation pathway. <i>Molecular Immunology</i> , 2012, 51, 24-25.	2.2	0
34	Measuring pH, ROS Production, Maturation, and Degradation in Dendritic Cell Phagosomes Using Cytofluorometry-Based Assays. <i>Methods in Molecular Biology</i> , 2010, 595, 383-402.	0.9	50
35	A Role for Lipid Bodies in the Cross-presentation of Phagocytosed Antigens by MHC Class I in Dendritic Cells. <i>Immunity</i> , 2009, 31, 232-244.	14.3	146
36	Regulation of Dendritic Cell Migration by CD74, the MHC Class II-Associated Invariant Chain. <i>Science</i> , 2008, 322, 1705-1710.	12.6	265

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37	The actin-based motor protein myosin II regulates MHC class II trafficking and BCR-driven antigen presentation. <i>Journal of Cell Biology</i> , 2007, 176, 1007-1019.	5.2	116
38	Antigen presentation by B lymphocytes: how receptor signaling directs membrane trafficking. <i>Current Opinion in Immunology</i> , 2007, 19, 93-98.	5.5	55
39	The actin-based motor protein myosin II regulates MHC class II trafficking and BCR-driven antigen presentation. <i>Journal of Experimental Medicine</i> , 2007, 204, i10-i10.	8.5	0
40	NOX2 Controls Phagosomal pH to Regulate Antigen Processing during Crosspresentation by Dendritic Cells. <i>Cell</i> , 2006, 126, 205-218.	28.9	754
41	Immunization with antigen-pulsed dendritic cells significantly improves the immune response to weak self-antigens. <i>Immunobiology</i> , 2006, 211, 29-36.	1.9	4