

# Heidi C E Welch

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,839  
citations

394286

19  
h-index

552653

26  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1760  
citing authors

#	ARTICLE	IF	CITATIONS
1	P-Rex1, a PtdIns(3,4,5)P <sub>3</sub> - and G $\beta\gamma$ -Regulated Guanine-Nucleotide Exchange Factor for Rac. <i>Cell</i> , 2002, 108, 809-821.	13.5	487
2	P-Rex1 Regulates Neutrophil Function. <i>Current Biology</i> , 2005, 15, 1867-1873.	1.8	161
3	Regulation of P-Rex1 by Phosphatidylinositol (3,4,5)-Trisphosphate and G $\beta\gamma$ Subunits. <i>Journal of Biological Chemistry</i> , 2005, 280, 4166-4173.	1.6	102
4	P-Rex2, a new guanine-nucleotide exchange factor for Rac. <i>FEBS Letters</i> , 2004, 572, 172-176.	1.3	94
5	Regulation and function of P-Rex family Rac-GEFs. <i>Small GTPases</i> , 2015, 6, 49-70.	0.7	90
6	P-Rex2 regulates Purkinje cell dendrite morphology and motor coordination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4483-4488.	3.3	86
7	Protein Kinase B and Rac Are Activated in Parallel within a Phosphatidylinositol 3-OH-kinase-controlled Signaling Pathway. <i>Journal of Biological Chemistry</i> , 1998, 273, 11248-11256.	1.6	83
8	A RhoA-FRET Biosensor Mouse for Intravital Imaging in Normal Tissue Homeostasis and Disease Contexts. <i>Cell Reports</i> , 2017, 21, 274-288.	2.9	83
9	P-Rex1 and Vav1 Cooperate in the Regulation of Formyl-Methionyl-Leucyl-Phenylalanine-Dependent Neutrophil Responses. <i>Journal of Immunology</i> , 2011, 186, 1467-1476.	0.4	80
10	The Rac-FRET Mouse Reveals Tight Spatiotemporal Control of Rac Activity in Primary Cells and Tissues. <i>Cell Reports</i> , 2014, 6, 1153-1164.	2.9	79
11	P-Rex and Vav Rac-GEFs in platelets control leukocyte recruitment to sites of inflammation. <i>Blood</i> , 2015, 125, 1146-1158.	0.6	76
12	Membrane Translocation of P-Rex1 Is Mediated by G Protein $\beta\gamma$ Subunits and Phosphoinositide 3-Kinase. <i>Journal of Biological Chemistry</i> , 2007, 282, 29967-29976.	1.6	72
13	Integrin activation by P-Rex1 is required for selectin-mediated slow leukocyte rolling and intravascular crawling. <i>Blood</i> , 2013, 121, 2301-2310.	0.6	55
14	Behavioural immune landscapes of inflammation. <i>Nature</i> , 2022, 601, 415-421.	13.7	53
15	Platelets in neutrophil recruitment to sites of inflammation. <i>Current Opinion in Hematology</i> , 2017, 24, 23-31.	1.2	44
16	The guanine-nucleotide-exchange factor P-Rex1 is activated by protein phosphatase 1 $\beta$ . <i>Biochemical Journal</i> , 2012, 443, 173-183.	1.7	37
17	Rac GTPases and Rac GEFs in neutrophil adhesion, migration and recruitment. <i>European Journal of Clinical Investigation</i> , 2018, 48, e12939.	1.7	36
18	Small GTPases and their guanine-nucleotide exchange factors and GTPase-activating proteins in neutrophil recruitment. <i>Current Opinion in Hematology</i> , 2016, 23, 44-54.	1.2	23

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19	Norbin Stimulates the Catalytic Activity and Plasma Membrane Localization of the Guanine-Nucleotide Exchange Factor P-Rex1. <i>Journal of Biological Chemistry</i> , 2016, 291, 6359-6375.	1.6	23
20	Rho Family GTPases and Rho GEFs in Glucose Homeostasis. <i>Cells</i> , 2021, 10, 915.	1.8	16
21	Purification of P-Rex1 from Neutrophils and Nucleotide Exchange Assay. <i>Methods in Enzymology</i> , 2006, 406, 26-41.	0.4	13
22	Optimizing metastatic-cascade-dependent Rac1 targeting in breast cancer: Guidance using optical window intravital FRET imaging. <i>Cell Reports</i> , 2021, 36, 109689.	2.9	12
23	PtdIns(3,4,5)P3-dependent Rac exchanger 1 (P-Rex1) promotes mammary tumor initiation and metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28056-28067.	3.3	11
24	A Rac1-Independent Role for P-Rex1 in Melanoblasts. <i>Journal of Investigative Dermatology</i> , 2015, 135, 314-318.	0.3	10
25	The GPCR adaptor protein norbin suppresses the neutrophil-mediated immunity of mice to pneumococcal infection. <i>Blood Advances</i> , 2021, 5, 3076-3091.	2.5	8
26	P-Rex1 Controls Sphingosine 1-Phosphate Receptor Signalling, Morphology, and Cell-Cycle Progression in Neuronal Cells. <i>Cells</i> , 2021, 10, 2474.	1.8	2
27	P-Rex1. , 2018, , 4142-4154.		2
28	P-Rex2. , 2018, , 4154-4164.		1
29	P-Rex2. , 2016, , 1-10.		0
30	P-Rex1. , 2016, , 1-13.		0