

# Rafael Garcia-Mata

## List of Publications by Year in descending order

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54  
papers

5,370  
citations

126708

33  
h-index

161609

54  
g-index

56  
all docs

56  
docs citations

56  
times ranked

9285  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fixing the GAP: The role of RhoGAPs in cancer. <i>European Journal of Cell Biology</i> , 2022, 101, 151209.	1.6	20
2	Quantification of ruffle area and dynamics in live or fixed lung adenocarcinoma cells. <i>STAR Protocols</i> , 2022, 3, 101437.	0.5	3
3	Nonredundant Rac-GEF control of actin cytoskeleton reorganization. <i>Trends in Cell Biology</i> , 2022, , .	3.6	2
4	ARHGEF26 enhances Salmonella invasion and inflammation in cells and mice. <i>PLoS Pathogens</i> , 2021, 17, e1009713.	2.1	7
5	The RhoA dependent anti-metastatic function of RKIP in breast cancer. <i>Scientific Reports</i> , 2021, 11, 17455.	1.6	6
6	FARP1, ARHGEF39, and TIAM2 are essential receptor tyrosine kinase effectors for Rac1-dependent cell motility in human lung adenocarcinoma. <i>Cell Reports</i> , 2021, 37, 109905.	2.9	20
7	Evaluation of active Rac1 levels in cancer cells: A case of misleading conclusions from immunofluorescence analysis. <i>Journal of Biological Chemistry</i> , 2020, 295, 13698-13710.	1.6	11
8	Syndecan-4/PAR-3 signaling regulates focal adhesion dynamics in mesenchymal cells. <i>Cell Communication and Signaling</i> , 2020, 18, 129.	2.7	16
9	P-REX1-Independent, Calcium-Dependent RAC1 Hyperactivation in Prostate Cancer. <i>Cancers</i> , 2020, 12, 480.	1.7	13
10	SGEF forms a complex with Scribble and Dlg1 and regulates epithelial junctions and contractility. <i>Journal of Cell Biology</i> , 2019, 218, 2699-2725.	2.3	21
11	The small GTPase RhoG regulates microtubule-mediated focal adhesion disassembly. <i>Scientific Reports</i> , 2019, 9, 5163.	1.6	10
12	mDia2 and CXCL12/CXCR4 chemokine signaling intersect to drive tumor cell amoeboid morphological transitions. <i>Biochemical and Biophysical Research Communications</i> , 2017, 484, 255-261.	1.0	19
13	A RhoG-mediated signaling pathway that modulates invadopodia dynamics in breast cancer cells. <i>Journal of Cell Science</i> , 2017, 130, 1064-1077.	1.2	36
14	Regulation of circular dorsal ruffles, macropinocytosis, and cell migration by RhoG and its exchange factor, Trio. <i>Molecular Biology of the Cell</i> , 2017, 28, 1768-1781.	0.9	30
15	RNase L Suppresses Androgen Receptor Signaling, Cell Migration and Matrix Metalloproteinase Activity in Prostate Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2017, 18, 529.	1.8	19
16	Arrested Detachment: A DEPDC1B-Mediated De-adhesion Mitotic Checkpoint. <i>Developmental Cell</i> , 2014, 31, 387-389.	3.1	7
17	lâ€™m coming to GEF you: Regulation of RhoGEFs during cell migration. <i>Cell Adhesion and Migration</i> , 2014, 8, 535-549.	1.1	73
18	Isolated nuclei adapt to force and reveal a mechanotransduction pathway in the nucleus. <i>Nature Cell Biology</i> , 2014, 16, 376-381.	4.6	495

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19	Palladin promotes invasion of pancreatic cancer cells by enhancing invadopodia formation in cancer-associated fibroblasts. <i>Oncogene</i> , 2014, 33, 1265-1273.	2.6	104
20	Simvastatin inhibits secretion of <sc>T</sc>h17â€ polarizing cytokines and antigen presentation by <sc>DC</sc>s in patients with relapsing remitting multiple sclerosis. <i>European Journal of Immunology</i> , 2013, 43, 281-289.	1.6	41
21	The Invasive Capacity of HPV Transformed Cells Requires the hDlg-Dependent Enhancement of SGEF/RhoG Activity. <i>PLoS Pathogens</i> , 2012, 8, e1002543.	2.1	33
22	Off the beaten paths: alternative and crosstalk regulation of Rho GTPases. <i>FASEB Journal</i> , 2012, 26, 469-479.	0.2	36
23	The UDP-sugar-sensing P2Y<sub>14</sub> receptor promotes Rho-mediated signaling and chemotaxis in human neutrophils. <i>American Journal of Physiology - Cell Physiology</i> , 2012, 303, C490-C498.	2.1	53
24	Affinity Precipitation of Active Rho-GEFs Using a GST-tagged Mutant Rho Protein (GST-RhoA(G17A)) from Epithelial Cell Lysates. <i>Journal of Visualized Experiments</i> , 2012, , .	0.2	9
25	Golgi Membrane Dynamics and Lipid Metabolism. <i>Current Biology</i> , 2012, 22, R414-R424.	1.8	63
26	Analysis of the Role of RhoGDI1 and Isoprenylation in the Degradation of RhoGTPases. <i>Methods in Molecular Biology</i> , 2012, 827, 97-105.	0.4	4
27	Analysis of RhoA and Rho GEF activity in whole cells and the cell nucleus. <i>Nature Protocols</i> , 2011, 6, 2050-2060.	5.5	63
28	The Small GTPase RhoA Localizes to the Nucleus and Is Activated by Net1 and DNA Damage Signals. <i>PLoS ONE</i> , 2011, 6, e17380.	1.1	89
29	The Rho GEFs LARG and GEF-H1 regulate the mechanical response to force on integrins. <i>Nature Cell Biology</i> , 2011, 13, 722-727.	4.6	324
30	The 'invisible hand': regulation of RHO GTPases by RHOGDIs. <i>Nature Reviews Molecular Cell Biology</i> , 2011, 12, 493-504.	16.1	470
31	Rho protein crosstalk: another social network?. <i>Trends in Cell Biology</i> , 2011, 21, 718-726.	3.6	303
32	Plexin-B2 Negatively Regulates Macrophage Motility, Rac, and Cdc42 Activation. <i>PLoS ONE</i> , 2011, 6, e24795.	1.1	38
33	Regulation of Rho GTPase crosstalk, degradation and activity by RhoGDI1. <i>Nature Cell Biology</i> , 2010, 12, 477-483.	4.6	309
34	RhoGDI. <i>Small GTPases</i> , 2010, 1, 65-68.	0.7	44
35	Chapter 1 Focal Adhesions: New Angles on an Old Structure. <i>International Review of Cell and Molecular Biology</i> , 2009, 277, 1-65.	1.6	71
36	Roles of the small GTPases RhoA and Rac1 in cell behavior. <i>F1000 Biology Reports</i> , 2009, 1, 4.	4.0	2

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37	A novel role for Lsc/p115 RhoGEF and LARG in regulating RhoA activity downstream of adhesion to fibronectin. <i>Journal of Cell Science</i> , 2007, 120, 3989-3998.	1.2	132
38	The Nuclear RhoA Exchange Factor Net1 Interacts with Proteins of the Dlg Family, Affects Their Localization, and Influences Their Tumor Suppressor Activity. <i>Molecular and Cellular Biology</i> , 2007, 27, 8683-8697.	1.1	43
39	RhoG regulates endothelial apical cup assembly downstream from ICAM1 engagement and is involved in leukocyte trans-endothelial migration. <i>Journal of Cell Biology</i> , 2007, 178, 1279-1293.	2.3	192
40	Catching a GEF by its tail. <i>Trends in Cell Biology</i> , 2007, 17, 36-43.	3.6	149
41	Analysis of Activated GAPs and GEFs in Cell Lysates. <i>Methods in Enzymology</i> , 2006, 406, 425-437.	0.4	179
42	Palladin binds to Eps8 and enhances the formation of dorsal ruffles and podosomes in vascular smooth muscle cells. <i>Journal of Cell Science</i> , 2006, 119, 3316-3324.	1.2	90
43	Dissection of Membrane Dynamics of the ARF-Guanine Nucleotide Exchange Factor GBF1. <i>Traffic</i> , 2005, 6, 374-385.	1.3	74
44	Membrane targeting of p115 phosphorylation mutants and their effects on Golgi integrity and secretory traffic. <i>European Journal of Cell Biology</i> , 2003, 82, 411-420.	1.6	11
45	The membrane-tethering protein p115 interacts with GBF1, an ARF guanine-nucleotide-exchange factor. <i>EMBO Reports</i> , 2003, 4, 320-325.	2.0	72
46	COPI Recruitment Is Modulated by a Rab1b-dependent Mechanism. <i>Molecular Biology of the Cell</i> , 2003, 14, 2116-2127.	0.9	116
47	ADP-Ribosylation Factor/COPI-dependent Events at the Endoplasmic Reticulum-Golgi Interface Are Regulated by the Guanine Nucleotide Exchange Factor GBF1. <i>Molecular Biology of the Cell</i> , 2003, 14, 2250-2261.	0.9	123
48	Inhibition of Proteasomes Induces Accumulation, Phosphorylation, and Recruitment of HSP27 and $\alpha$ -Crystallin to Aggresomes. <i>Journal of Biochemistry</i> , 2002, 131, 593-603.	0.9	64
49	Hassles with Taking Out the Garbage: Aggravating Aggresomes. <i>Traffic</i> , 2002, 3, 388-396.	1.3	343
50	The p115-interactive Proteins GM130 and Giantin Participate in Endoplasmic Reticulum-Golgi Traffic. <i>Journal of Biological Chemistry</i> , 2001, 276, 2693-2700.	1.6	142
51	Binding Relationships of Membrane Tethering Components. <i>Journal of Biological Chemistry</i> , 2000, 275, 10196-10201.	1.6	87
52	The membrane transport factor p115 recycles only between homologous compartments in intact heterokaryons. <i>European Journal of Cell Biology</i> , 2000, 79, 229-239.	1.6	7
53	Characterization and Dynamics of Aggresome Formation by a Cytosolic Gfp-Chimera <sup>a</sup> . <i>Journal of Cell Biology</i> , 1999, 146, 1239-1254.	2.3	557
54	The Membrane Transport Factor TAP/p115 Cycles between the Golgi and Earlier Secretory Compartments and Contains Distinct Domains Required for Its Localization and Function. <i>Journal of Cell Biology</i> , 1998, 143, 319-331.	2.3	124