

XosÃ© R Bustelo

List of Publications by Year in descending order

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165
papers

12,716
citations

25014

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108
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169
docs citations

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times ranked

11383
citing authors

#	ARTICLE	IF	CITATIONS
1	Specific motifs recognized by the SH2 domains of Csk, 3BP2, fps/fes, GRB-2, HCP, SHC, Syk, and Vav.. Molecular and Cellular Biology, 1994, 14, 2777-2785.	1.1	911
2	S. typhimurium Encodes an Activator of Rho GTPases that Induces Membrane Ruffling and Nuclear Responses in Host Cells. Cell, 1998, 93, 815-826.	13.5	764
3	Phosphotyrosine-dependent activation of Rac-1 GDP/GTP exchange by the vav proto-oncogene product. Nature, 1997, 385, 169-172.	13.7	736
4	GTP-binding proteins of the Rho/Rac family: regulation, effectors and functions in vivo. BioEssays, 2007, 29, 356-370.	1.2	554
5	Regulatory and Signaling Properties of the Vav Family. Molecular and Cellular Biology, 2000, 20, 1461-1477.	1.1	465
6	Analysis of receptor signaling pathways by mass spectrometry: Identification of Vav-2 as a substrate of the epidermal and platelet-derived growth factor receptors. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 179-184.	3.3	410
7	Specific Motifs Recognized by the SH2 Domains of Csk, 3BP2, fps/fes, GRB-2, HCP, SHC, Syk, and Vav. Molecular and Cellular Biology, 1994, 14, 2777-2785.	1.1	342
8	Product of vav proto-oncogene defines a new class of tyrosine protein kinase substrates. Nature, 1992, 356, 68-71.	13.7	320
9	Biological and Regulatory Properties of Vav-3, a New Member of the Vav Family of Oncoproteins. Molecular and Cellular Biology, 1999, 19, 7870-7885.	1.1	247
10	Phosphorylation-dependent and constitutive activation of Rho proteins by wild-type and oncogenic Vav-2. EMBO Journal, 1998, 17, 6608-6621.	3.5	239
11	Tyrosine Phosphorylation of the vav Proto-Oncogene Product in Activated B Cells. Science, 1992, 256, 1196-1199.	6.0	206
12	Vav proteins, adaptors and cell signaling. Oncogene, 2001, 20, 6372-6381.	2.6	195
13	Azathioprine Suppresses Ezrin-Radixin-Moesin-Dependent T Cell-APC Conjugation through Inhibition of Vav Guanosine Exchange Activity on Rac Proteins. Journal of Immunology, 2006, 176, 640-651.	0.4	182
14	The Vav-Rac1 Pathway in Cytotoxic Lymphocytes Regulates the Generation of Cell-mediated Killing. Journal of Experimental Medicine, 1998, 188, 549-559.	4.2	165
15	The 90S Preribosome Is a Multimodular Structure That Is Assembled through a Hierarchical Mechanism. Molecular and Cellular Biology, 2007, 27, 5414-5429.	1.1	155
16	Human Proteinpedia enables sharing of human protein data. Nature Biotechnology, 2008, 26, 164-167.	9.4	155
17	T Cell Receptor Internalization from the Immunological Synapse Is Mediated by TC21 and RhoG GTPase-Dependent Phagocytosis. Immunity, 2011, 35, 208-222.	6.6	152
18	Rac1 Function Is Required for Src-induced Transformation. Journal of Biological Chemistry, 2003, 278, 34339-34346.	1.6	149

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19	Tyrosine Phosphorylation Mediates Both Activation and Downmodulation of the Biological Activity of Vav. <i>Molecular and Cellular Biology</i> , 2000, 20, 1678-1691.	1.1	148
20	Rac1 mediates STAT3 activation by autocrine IL-6. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 9014-9019.	3.3	140
21	Rac-1 dependent stimulation of the JNK/SAPK signaling pathway by Vav. <i>Oncogene</i> , 1996, 13, 455-60.	2.6	139
22	Exchange Factors of the RasGRP Family Mediate Ras Activation in the Golgi. <i>Journal of Biological Chemistry</i> , 2003, 278, 33465-33473.	1.6	130
23	Isolation and characterization of murine vav2, a member of the vav family of proto-oncogenes. <i>Oncogene</i> , 1996, 13, 363-71.	2.6	128
24	Vav family exchange factors: an integrated regulatory and functional view. <i>Small GTPases</i> , 2014, 5, e973757.	0.7	121
25	Activation of Vav/Rho GTPase Signaling by CXCL12 Controls Membrane-Type Matrix Metalloproteinase-Dependent Melanoma Cell Invasion. <i>Cancer Research</i> , 2006, 66, 248-258.	0.4	119
26	The Expression of Prothymosin α Gene in T Lymphocytes and Leukemic Lymphoid Cells Is Tied To Lymphocyte Proliferation. <i>Journal of Biological Chemistry</i> , 1989, 264, 8451-8454.	1.6	114
27	Structural Determinants for the Biological Activity of Vav Proteins. <i>Journal of Biological Chemistry</i> , 2002, 277, 45377-45392.	1.6	112
28	Essential function for the GTPase TC21 in homeostatic antigen receptor signaling. <i>Nature Immunology</i> , 2009, 10, 880-888.	7.0	110
29	Vav3 proto-oncogene deficiency leads to sympathetic hyperactivity and cardiovascular dysfunction. <i>Nature Medicine</i> , 2006, 12, 841-845.	15.2	109
30	The expression of prothymosin alpha gene in T lymphocytes and leukemic lymphoid cells is tied to lymphocyte proliferation. <i>Journal of Biological Chemistry</i> , 1989, 264, 8451-4.	1.6	109
31	Tyrosine Phosphorylation of the vav Proto-oncogene Product Links Fc μ RI to the Rac1-JNK Pathway. <i>Journal of Biological Chemistry</i> , 1997, 272, 10751-10755.	1.6	106
32	The K Protein Domain That Recruits the Interleukin 1-responsive K Protein Kinase Lies Adjacent to a Cluster of c-Src and Vav SH3-binding Sites. <i>Journal of Biological Chemistry</i> , 1995, 270, 26976-26985.	1.6	104
33	Molecular cloning of the mouse grb2 gene: differential interaction of the Crb2 adaptor protein with epidermal growth factor and nerve growth factor receptors.. <i>Molecular and Cellular Biology</i> , 1993, 13, 5500-5512.	1.1	101
34	Activating mutations and translocations in the guanine exchange factor VAV1 in peripheral T-cell lymphomas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 764-769.	3.3	100
35	Steel factor stimulates the tyrosine phosphorylation of the proto-oncogene product, p95vav, in human hemopoietic cells. <i>Journal of Biological Chemistry</i> , 1992, 267, 18021-5.	1.6	100
36	Zinc finger domains and phorbol ester pharmacophore. Analysis of binding to mutated form of protein kinase C zeta and the vav and c-raf proto-oncogene products. <i>Journal of Biological Chemistry</i> , 1994, 269, 11590-4.	1.6	99

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37	Persistent activation of Rac1 in squamous carcinomas of the head and neck: evidence for an EGFR/Vav2 signaling axis involved in cell invasion. <i>Carcinogenesis</i> , 2007, 28, 1145-1152.	1.3	98
38	The Rho Exchange Factors Vav2 and Vav3 Control a Lung Metastasisâ€“Specific Transcriptional Program in Breast Cancer Cells. <i>Science Signaling</i> , 2012, 5, ra71.	1.6	98
39	A mouse model for Costello syndrome reveals an Ang IIâ€“mediated hypertensive condition. <i>Journal of Clinical Investigation</i> , 2008, 118, 2169-79.	3.9	97
40	Specific Phosphorylation of p120-Catenin Regulatory Domain Differently Modulates Its Binding to RhoA. <i>Molecular and Cellular Biology</i> , 2007, 27, 1745-1757.	1.1	96
41	Association of the <i>vav</i> proto-oncogene product with poly(rC)-specific RNA-binding proteins. <i>Molecular and Cellular Biology</i> , 1995, 15, 1324-1332.	1.1	92
42	Vav1 and Rac Control Chemokine-promoted T Lymphocyte Adhesion Mediated by the Integrin $\alpha 4 \beta 1$. <i>Molecular Biology of the Cell</i> , 2005, 16, 3223-3235.	0.9	89
43	Cbl-b, a member of the Sli-1/c-Cbl protein family, inhibits Vav-mediated c-Jun N-terminal kinase activation. <i>Oncogene</i> , 1997, 15, 2511-2520.	2.6	87
44	Vav cooperates with Ras to transform rodent fibroblasts but is not a Ras GDP/GTP exchange factor. <i>Oncogene</i> , 1994, 9, 2405-13.	2.6	77
45	Functional Characterization of Pwp2, a WD Family Protein Essential for the Assembly of the 90 S Pre-ribosomal Particle. <i>Journal of Biological Chemistry</i> , 2004, 279, 37385-37397.	1.6	76
46	CANCERTOOL: A Visualization and Representation Interface to Exploit Cancer Datasets. <i>Cancer Research</i> , 2018, 78, 6320-6328.	0.4	76
47	The Dioxin Receptor Regulates the Constitutive Expression of the <i>Vav3</i> Proto-Oncogene and Modulates Cell Shape and Adhesion. <i>Molecular Biology of the Cell</i> , 2009, 20, 1715-1727.	0.9	72
48	Coronin 1A promotes a cytoskeletal-based feedback loop that facilitates Rac1 translocation and activation. <i>EMBO Journal</i> , 2011, 30, 3913-3927.	3.5	69
49	Vav mediates Ras stimulation by direct activation of the GDP/GTP exchange factor Ras GRP1. <i>EMBO Journal</i> , 2003, 22, 3326-3336.	3.5	68
50	K-Ras ^{V14I} recapitulates Noonan syndrome in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16395-16400.	3.3	67
51	Vav Proteins Are Key Regulators of Card9 Signaling for Innate Antifungal Immunity. <i>Cell Reports</i> , 2016, 17, 2572-2583.	2.9	66
52	Control of lymphocyte shape and the chemotactic response by the GTP exchange factor Vav. <i>Blood</i> , 2005, 105, 3026-3034.	0.6	65
53	Expression of the rat prothymosin alpha gene during T-lymphocyte proliferation and liver regeneration. <i>Journal of Biological Chemistry</i> , 1991, 266, 1443-1447.	1.6	65
54	The VAV Family of Signal Transduction Molecules. <i>Critical Reviews in Oncogenesis</i> , 1996, 7, 65-88.	0.2	65

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55	How Vav proteins discriminate the GTPases Rac1 and RhoA from Cdc42. <i>Oncogene</i> , 2001, 20, 8057-8065.	2.6	64
56	The Rho Exchange Factors Vav2 and Vav3 Favor Skin Tumor Initiation and Promotion by Engaging Extracellular Signaling Loops. <i>PLoS Biology</i> , 2013, 11, e1001615.	2.6	64
57	The dioxin receptor has tumor suppressor activity in melanoma growth and metastasis. <i>Carcinogenesis</i> , 2013, 34, 2683-2693.	1.3	63
58	Loss of Vav2 Proto-Oncogene Causes Tachycardia and Cardiovascular Disease in Mice. <i>Molecular Biology of the Cell</i> , 2007, 18, 943-952.	0.9	62
59	Wound healing defect of Vav3 ^{-/-} mice due to impaired β 2-integrin-dependent macrophage phagocytosis of apoptotic neutrophils. <i>Blood</i> , 2009, 113, 5266-5276.	0.6	62
60	RasGRF2, a Guanosine Nucleotide Exchange Factor for Ras GTPases, Participates in T-Cell Signaling Responses. <i>Molecular and Cellular Biology</i> , 2007, 27, 8127-8142.	1.1	61
61	Constitutive activation of B-Raf in the mouse germ line provides a model for human cardio-facio-cutaneous syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5015-5020.	3.3	61
62	Signaling through the Leukocyte Integrin LFA-1 in T Cells Induces a Transient Activation of Rac-1 That Is Regulated by Vav and PI3K/Akt-1. <i>Journal of Biological Chemistry</i> , 2004, 279, 16194-16205.	1.6	58
63	RHO GTPases in cancer: known facts, open questions, and therapeutic challenges. <i>Biochemical Society Transactions</i> , 2018, 46, 741-760.	1.6	58
64	Transcriptional Factor Aryl Hydrocarbon Receptor (Ahr) Controls Cardiovascular and Respiratory Functions by Regulating the Expression of the Vav3 Proto-oncogene. <i>Journal of Biological Chemistry</i> , 2011, 286, 2896-2909.	1.6	57
65	Ribosome biogenesis and cancer: basic and translational challenges. <i>Current Opinion in Genetics and Development</i> , 2018, 48, 22-29.	1.5	57
66	The Rho/Rac exchange factor Vav2 controls nitric oxide-dependent responses in mouse vascular smooth muscle cells. <i>Journal of Clinical Investigation</i> , 2010, 120, 315-330.	3.9	57
67	Expression of the rat prothymosin alpha gene during T-lymphocyte proliferation and liver regeneration. <i>Journal of Biological Chemistry</i> , 1991, 266, 1443-7.	1.6	54
68	F-actin-dependent Translocation of the Rap1 GDP/GTP Exchange Factor RasGRP2. <i>Journal of Biological Chemistry</i> , 2004, 279, 20435-20446.	1.6	50
69	YES1 Drives Lung Cancer Growth and Progression and Predicts Sensitivity to Dasatinib. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 888-899.	2.5	50
70	The Vav GEF Family: An Evolutionary and Functional Perspective. <i>Cells</i> , 2019, 8, 465.	1.8	48
71	Signal transduction elements of TC21, an oncogenic member of the R-Ras subfamily of GTP-binding proteins. <i>Oncogene</i> , 1999, 18, 5860-5869.	2.6	47
72	Isolation and characterization of thymosin β 9Met from pork spleen. <i>Archives of Biochemistry and Biophysics</i> , 1989, 273, 396-402.	1.4	46

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73	Activation of Vav by the Gammaherpesvirus M2 Protein Contributes to the Establishment of Viral Latency in B Lymphocytes. <i>Journal of Virology</i> , 2006, 80, 6123-6135.	1.5	45
74	Plk1 regulates contraction of postmitotic smooth muscle cells and is required for vascular homeostasis. <i>Nature Medicine</i> , 2017, 23, 964-974.	15.2	44
75	Protein-Protein Interactions: Emerging Oncotargets in the RAS-ERK Pathway. <i>Trends in Cancer</i> , 2018, 4, 616-633.	3.8	44
76	Vav3 collaborates with p190-BCR-ABL in lymphoid progenitor leukemogenesis, proliferation, and survival. <i>Blood</i> , 2012, 120, 800-811.	0.6	43
77	Involvement of the Rho/Rac family member RhoG in caveolar endocytosis. <i>Oncogene</i> , 2006, 25, 2961-2973.	2.6	42
78	Rac-ing to the plasma membrane. <i>Small GTPases</i> , 2012, 3, 60-66.	0.7	42
79	Inverted signaling hierarchy between RAS and RAC in T-lymphocytes. <i>Oncogene</i> , 2004, 23, 5823-5833.	2.6	41
80	Global conformational rearrangements during the activation of the GDP/GTP exchange factor Vav3. <i>EMBO Journal</i> , 2005, 24, 1330-1340.	3.5	41
81	The C-Terminal SH3 Domain Contributes to the Intramolecular Inhibition of Vav Family Proteins. <i>Science Signaling</i> , 2014, 7, ra35.	1.6	41
82	Transcriptomal profiling of the cellular transformation induced by Rho subfamily GTPases. <i>Oncogene</i> , 2007, 26, 4295-4305.	2.6	39
83	Regulation of Vav proteins by intramolecular events. <i>Frontiers in Bioscience - Landmark</i> , 2002, 7, d24-30.	3.0	38
84	CD147 Inhibits the Nuclear Factor of Activated T-cells by Impairing Vav1 and Rac1 Downstream Signaling. <i>Journal of Biological Chemistry</i> , 2008, 283, 5554-5566.	1.6	37
85	Vav3-deficient Mice Exhibit a Transient Delay in Cerebellar Development. <i>Molecular Biology of the Cell</i> , 2010, 21, 1125-1139.	0.9	37
86	Identification of a Vav2-dependent mechanism for GDNF/Ret control of mesolimbic DAT trafficking. <i>Nature Neuroscience</i> , 2015, 18, 1084-1093.	7.1	37
87	Molecular Cloning of the Mouse <i>grb2</i> Gene: Differential Interaction of the Grb2 Adaptor Protein with Epidermal Growth Factor and Nerve Growth Factor Receptors. <i>Molecular and Cellular Biology</i> , 1993, 13, 5500-5512.	1.1	36
88	Thymosin-beta 4 gene. Preliminary characterization and expression in tissues, thymic cells, and lymphocytes. <i>Journal of Immunology</i> , 1989, 143, 2740-4.	0.4	35
89	Lack of evidence for the activation of the Ras/Raf mitogenic pathway by 14-3-3 proteins in mammalian cells. <i>Oncogene</i> , 1995, 11, 825-31.	2.6	35
90	Structural Basis for the Signaling Specificity of RhoG and Rac1 GTPases. <i>Journal of Biological Chemistry</i> , 2003, 278, 37916-37925.	1.6	34

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91	A Paradoxical Tumor-Suppressor Role for the Rac1 Exchange Factor Vav1 in T Cell Acute Lymphoblastic Leukemia. <i>Cancer Cell</i> , 2017, 32, 608-623.e9.	7.7	33
92	Overexpression of the VAV proto-oncogene product is associated with B-cell chronic lymphocytic leukaemia displaying loss on 13q. <i>British Journal of Haematology</i> , 2006, 133, 642-645.	1.2	32
93	The TC21 oncoprotein interacts with the Ral guanosine nucleotide dissociation factor. <i>Oncogene</i> , 1996, 12, 463-70.	2.6	31
94	Vav3 Is Involved in GABAergic Axon Guidance Events Important for the Proper Function of Brainstem Neurons Controlling Cardiovascular, Respiratory, and Renal Parameters. <i>Molecular Biology of the Cell</i> , 2010, 21, 4251-4263.	0.9	30
95	Developmental expression of the vav protooncogene. <i>Cell Growth & Differentiation: the Molecular Biology Journal of the American Association for Cancer Research</i> , 1993, 4, 297-308.	0.8	30
96	Reduction of NADPH-Oxidase Activity Ameliorates the Cardiovascular Phenotype in a Mouse Model of Williams-Beuren Syndrome. <i>PLoS Genetics</i> , 2012, 8, e1002458.	1.5	29
97	The Gammaherpesvirus m2 Protein Manipulates the Fyn/Vav Pathway through a Multidocking Mechanism of Assembly. <i>PLoS ONE</i> , 2008, 3, e1654.	1.1	29
98	A transcriptional cross-talk between RhoA and c-Myc inhibits the RhoA/Rock-dependent cytoskeleton. <i>Oncogene</i> , 2010, 29, 3781-3792.	2.6	28
99	VAV3 mediates resistance to breast cancer endocrine therapy. <i>Breast Cancer Research</i> , 2014, 16, R53.	2.2	28
100	Contribution of the R-Ras2 GTP-binding protein to primary breast tumorigenesis and late-stage metastatic disease. <i>Nature Communications</i> , 2014, 5, 3881.	5.8	28
101	VAV2 signaling promotes regenerative proliferation in both cutaneous and head and neck squamous cell carcinoma. <i>Nature Communications</i> , 2020, 11, 4788.	5.8	27
102	Transcriptomal profiling of site-specific Ras signals. <i>Cellular Signalling</i> , 2007, 19, 2264-2276.	1.7	26
103	Genetic Dissection of the Vav2-Rac1 Signaling Axis in Vascular Smooth Muscle Cells. <i>Molecular and Cellular Biology</i> , 2014, 34, 4404-4419.	1.1	26
104	Immunosuppression-Independent Role of Regulatory T Cells against Hypertension-Driven Renal Dysfunctions. <i>Molecular and Cellular Biology</i> , 2015, 35, 3528-3546.	1.1	26
105	Genomic and Functional Regulation of TRIB1 Contributes to Prostate Cancer Pathogenesis. <i>Cancers</i> , 2020, 12, 2593.	1.7	26
106	The Ras-like protein R-Ras2/TC21 is important for proper mammary gland development. <i>Molecular Biology of the Cell</i> , 2012, 23, 2373-2387.	0.9	25
107	Role of chimaerins, a group of Rac-specific GTPase activating proteins, in T-cell receptor signaling. <i>Cellular Signalling</i> , 2008, 20, 758-770.	1.7	24
108	Chronic Sympathoexcitation through Loss of Vav3, a Rac1 Activator, Results in Divergent Effects on Metabolic Syndrome and Obesity Depending on Diet. <i>Cell Metabolism</i> , 2013, 18, 199-211.	7.2	24

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109	R-Ras2 is required for germinal center formation to aid B cells during energetically demanding processes. <i>Science Signaling</i> , 2018, 11, .	1.6	24
110	Understanding Rho/Rac biology in T-cells using animal models. <i>BioEssays</i> , 2002, 24, 602-612.	1.2	23
111	The Use of Knockout Mice Reveals a Synergistic Role of the Vav1 and Rasgrf2 Gene Deficiencies in Lymphomagenesis and Metastasis. <i>PLoS ONE</i> , 2009, 4, e8229.	1.1	23
112	Phylogenetic conservation of the regulatory and functional properties of the Vav oncoprotein family. <i>Experimental Cell Research</i> , 2005, 308, 364-380.	1.2	22
113	Vav3-induced cytoskeletal dynamics contribute to heterotypic properties of endothelial barriers. <i>Journal of Cell Biology</i> , 2018, 217, 2813-2830.	2.3	22
114	3D structure of Syk kinase determined by single-particle electron microscopy. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2007, 1774, 1493-1499.	1.1	21
115	Lung regeneration after toxic injury is improved in absence of dioxin receptor. <i>Stem Cell Research</i> , 2017, 25, 61-71.	0.3	21
116	H-Ras and K-Ras Oncoproteins Induce Different Tumor Spectra When Driven by the Same Regulatory Sequences. <i>Cancer Research</i> , 2017, 77, 707-718.	0.4	21
117	Mechanistic Analysis of the Amplification and Diversification Events Induced by Vav Proteins in B-lymphocytes. <i>Journal of Biological Chemistry</i> , 2008, 283, 36454-36464.	1.6	20
118	HERC Ubiquitin Ligases in Cancer. <i>Cancers</i> , 2020, 12, 1653.	1.7	20
119	Transcript levels of thymosin β 4, an actin-sequestering peptide, in cell proliferation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1993, 1176, 59-63.	1.9	19
120	Conformational rearrangements upon Syk auto-phosphorylation. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 1211-1217.	1.1	19
121	Identification of distinct maturation steps involved in human 40S ribosomal subunit biosynthesis. <i>Nature Communications</i> , 2020, 11, 156.	5.8	19
122	Identification of the Rock-dependent transcriptome in rodent fibroblasts. <i>Clinical and Translational Oncology</i> , 2008, 10, 726-738.	1.2	18
123	Intratumoral stages of metastatic cells: A synthesis of ontogeny, Rho/Rac GTPases, epithelialâ€mesenchymal transitions, and more. <i>BioEssays</i> , 2012, 34, 748-759.	1.2	18
124	RAS at the Golgi antagonizes malignant transformation through PTPR β -mediated inhibition of ERK activation. <i>Nature Communications</i> , 2018, 9, 3595.	5.8	18
125	Differential Role of the RasGEFs Sos1 and Sos2 in Mouse Skin Homeostasis and Carcinogenesis. <i>Molecular and Cellular Biology</i> , 2018, 38, .	1.1	18
126	RAS GTPase-dependent pathways in developmental diseases: old guys, new lads, and current challenges. <i>Current Opinion in Cell Biology</i> , 2018, 55, 42-51.	2.6	18

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127	Vav2 catalysis-dependent pathways contribute to skeletal muscle growth and metabolic homeostasis. <i>Nature Communications</i> , 2020, 11, 5808.	5.8	17
128	New insights into the Vav1 activation cycle in lymphocytes. <i>Cellular Signalling</i> , 2018, 45, 132-144.	1.7	15
129	Rho GTPases in Skeletal Muscle Development and Homeostasis. <i>Cells</i> , 2021, 10, 2984.	1.8	15
130	Coronin1 Proteins Dictate Rac1 Intracellular Dynamics and Cytoskeletal Output. <i>Molecular and Cellular Biology</i> , 2014, 34, 3388-3406.	1.1	13
131	Expression of VAV1 in the tumour microenvironment of glioblastoma multiforme. <i>Journal of Neuro-Oncology</i> , 2012, 110, 69-77.	1.4	12
132	Cancer-associated mutations in <i>VAV1</i> trigger variegated signaling outputs and cell lymphomagenesis. <i>EMBO Journal</i> , 2021, 40, e108125.	3.5	12
133	Role of Src Homology Domain Binding in Signaling Complexes Assembled by the Murid β -Herpesvirus M2 Protein. <i>Journal of Biological Chemistry</i> , 2013, 288, 3858-3870.	1.6	11
134	Vav proteins maintain epithelial traits in breast cancer cells using miR-200c-dependent and independent mechanisms. <i>Oncogene</i> , 2019, 38, 209-227.	2.6	11
135	Overexpression of wild type RRAS2, without oncogenic mutations, drives chronic lymphocytic leukemia. <i>Molecular Cancer</i> , 2022, 21, 35.	7.9	11
136	Characterization of Novel Molecular Mechanisms Favoring Rac1 Membrane Translocation. <i>PLoS ONE</i> , 2016, 11, e0166715.	1.1	10
137	Vav2 pharmaco-mimetic mice reveal the therapeutic value and caveats of the catalytic inactivation of a Rho exchange factor. <i>Oncogene</i> , 2020, 39, 5098-5111.	2.6	10
138	A transcriptional cross-talk between RhoA and c-Myc inhibits the RhoA/Rock-dependent cytoskeleton. <i>Small GTPases</i> , 2010, 1, 69-74.	0.7	9
139	Rho guanosine nucleotide exchange factors are not such bad guys after all in cancer ^a . <i>Small GTPases</i> , 2020, 11, 233-239.	0.7	9
140	Phosphatidylinositol Monophosphates Regulate Optimal Vav1 Signaling Output. <i>Cells</i> , 2019, 8, 1649.	1.8	8
141	Computational and in vitro Pharmacodynamics Characterization of 1A-116 Rac1 Inhibitor: Relevance of Trp56 in Its Biological Activity. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 240.	1.8	7
142	Functional Specificity of the Members of the Sos Family of Ras-GEF Activators: Novel Role of Sos2 in Control of Epidermal Stem Cell Homeostasis. <i>Cancers</i> , 2021, 13, 2152.	1.7	7
143	Loss of Aryl Hydrocarbon Receptor Favors K-RasG12D-Driven Non-Small Cell Lung Cancer. <i>Cancers</i> , 2021, 13, 4071.	1.7	7
144	New Functions of Vav Family Proteins in Cardiovascular Biology, Skeletal Muscle, and the Nervous System. <i>Biology</i> , 2021, 10, 857.	1.3	7

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145	Vagal afferents contribute to sympathoexcitation-driven metabolic dysfunctions. <i>Journal of Endocrinology</i> , 2019, 240, 483-496.	1.2	7
146	A hotspot mutation targeting the R-RAS2 GTPase acts as a potent oncogenic driver in a wide spectrum of tumors. <i>Cell Reports</i> , 2022, 38, 110522.	2.9	7
147	Knocked out by Rho/Rac T-cell biology. <i>Histology and Histopathology</i> , 2002, 17, 871-5.	0.5	7
148	Drug Vulnerabilities and Disease Prognosis Linked to the Stem Cell-Like Gene Expression Program Triggered by the RHO GTPase Activator VAV2 in Hyperplastic Keratinocytes and Head and Neck Cancer. <i>Cancers</i> , 2020, 12, 2498.	1.7	6
149	Lysine Acetylation Reshapes the Downstream Signaling Landscape of Vav1 in Lymphocytes. <i>Cells</i> , 2020, 9, 609.	1.8	6
150	Cytochrome c oxidase subunit II mRNA levels during T-lymphocyte proliferation and liver regeneration. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1991, 1092, 184-187.	1.9	5
151	Efficient fractionation and analysis of ribosome assembly intermediates in human cells. <i>RNA Biology</i> , 2021, 18, 182-197.	1.5	5
152	The disease-linked Glu-26-Lys mutant version of Coronin 1A exhibits pleiotropic and pathway-specific signaling defects. <i>Molecular Biology of the Cell</i> , 2015, 26, 2895-2912.	0.9	4
153	In Silico Analysis of the Age-Dependent Evolution of the Transcriptome of Mouse Skin Stem Cells. <i>Cells</i> , 2020, 9, 165.	1.8	4
154	The Rho guanosine nucleotide exchange factors Vav2 and Vav3 modulate epidermal stem cell function. <i>Oncogene</i> , 2022, 41, 3341-3354.	2.6	3
155	Nuclear Vav3 is required for polycomb repression complex-1 activity in B-cell lymphoblastic leukemogenesis. <i>Nature Communications</i> , 2022, 13, .	5.8	3
156	The levels of cytochrome c oxidase subunit II mRNA change during the rat T-cell development. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1989, 977, 341-343.	0.5	2
157	New Avenue to Inhibit Ras Signaling. <i>Chemistry and Biology</i> , 2014, 21, 1599-1600.	6.2	2
158	Focal accumulation of preribosomes outside the nucleolus during metaphaseâ€“anaphase in budding yeast. <i>Rna</i> , 2017, 23, 1432-1443.	1.6	1
159	An unexpected tumor suppressor role for VAV1. <i>Molecular and Cellular Oncology</i> , 2018, 5, e1432257.	0.3	1
160	Distinct Roles of Vav Family Members in Adaptive and Innate Immune Models of Arthritis. <i>Biomedicines</i> , 2021, 9, 695.	1.4	1
161	Abstract 2147: The RRas2/TC21 GTPase is essential for breast tumorigenesis and lung metastasis. , 2012, , .		1
162	VAV1 Activating Mutations and Translocations in Peripheral T-Cell Lymphomas. <i>Blood</i> , 2016, 128, 2741-2741.	0.6	1

#	ARTICLE	IF	CITATIONS
163	Editorial overview: New concepts and experimental approaches to understand development, tissue regeneration, and human disease. <i>Current Opinion in Cell Biology</i> , 2018, 55, iii-v.	2.6	0
164	Upregulation of Vav3 Is Required for Leukemogenesis By BCR-ABL through Polycomb Repression Complex Dependent De-Repression of the Cdkn2a Locus. <i>Blood</i> , 2015, 126, 3661-3661.	0.6	0
165	Vav Family. , 2018, , 5892-5906.		0