XosÃ© R Bustelo

List of Publications by Year
in descending order

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165 papers	12,716 citations	24978 57 h-index	25716 108 g-index
169 all docs	169 docs citations	169 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 Vavâ€“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. Molecular and Cellular Biology, 2000, 20, 1678-1691.	1.1	148
20	Rac1 mediates STAT3 activation by autocrine IL-6. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 9014-9019.	3.3	140
21	Rac-1 dependent stimulation of the JNK/SAPK signaling pathway by Vav. Oncogene, 1996, 13, 455-60.	2.6	139
22	Exchange Factors of the RasGRP Family Mediate Ras Activation in the Golgi. Journal of Biological Chemistry, 2003, 278, 33465-33473.	1.6	130
23	Isolation and characterization of murine vav2, a member of the vav family of proto-oncogenes. Oncogene, 1996, 13, 363-71.	2.6	128
24	Vav family exchange factors: an integrated regulatory and functional view. Small GTPases, 2014, 5, e973757.	0.7	121
25	Activation of Vav/Rho GTPase Signaling by CXCL12 Controls Membrane-Type Matrix Metalloproteinaseâ€“Dependent Melanoma Cell Invasion. Cancer Research, 2006, 66, 248-258.	0.4	119
26	The Expression of Prothymosin Î± Gene in T Lymphocytes and Leukemic Lymphoid Cells Is Tied To Lymphocyte Proliferation. Journal of Biological Chemistry, 1989, 264, 8451-8454.	1.6	114
27	Structural Determinants for the Biological Activity of Vav Proteins. Journal of Biological Chemistry, 2002, 277, 45377-45392.	1.6	112
28	Essential function for the GTPase TC21 in homeostatic antigen receptor signaling. Nature Immunology, 2009, 10, 880-888.	7.0	110
29	Vav3 proto-oncogene deficiency leads to sympathetic hyperactivity and cardiovascular dysfunction. Nature Medicine, 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. Journal of Biological Chemistry, 1989, 264, 8451-4.	1.6	109
31	Tyrosine Phosphorylation of the vav Proto-oncogene Product Links FcÎµRI to the Rac1-JNK Pathway. Journal of Biological Chemistry, 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. Journal of Biological Chemistry, 1995, 270, 26976-26985.	1.6	104
33	Molecular cloning of the mouse grb2 gene: differential interaction of the Grb2 adaptor protein with epidermal growth factor and nerve growth factor receptors.. Molecular and Cellular Biology, 1993, 13, 5500-5512.	1.1	101
34	Activating mutations and translocations in the guanine exchange factor VAV1 in peripheral T-cell lymphomas. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 764-769.	3.3	100
35	Steel factor stimulates the tyrosine phosphorylation of the proto-oncogene product, p95vav, in human hemopoietic cells. Journal of Biological Chemistry, 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. Journal of Biological Chemistry, 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. Carcinogenesis, 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. Science Signaling, 2012, 5, ra71.	1.6	98
39	A mouse model for Costello syndrome reveals an Ang IIâ€“mediated hypertensive condition. Journal of Clinical Investigation, 2008, 118, 2169-79.	3.9	97
40	Specific Phosphorylation of p120-Catenin Regulatory Domain Differently Modulates Its Binding to RhoA. Molecular and Cellular Biology, 2007, 27, 1745-1757.	1.1	96
41	Association of the vav proto-oncogene product with poly(rC)-specific RNA-binding proteins. Molecular and Cellular Biology, 1995, 15, 1324-1332.	1.1	92
42	Vav1 and Rac Control Chemokine-promoted T Lymphocyte Adhesion Mediated by the Integrin Î±4Î²1. Molecular Biology of the Cell, 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. Oncogene, 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. Oncogene, 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. Journal of Biological Chemistry, 2004, 279, 37385-37397.	1.6	76
46	CANCERTOOL: A Visualization and Representation Interface to Exploit Cancer Datasets. Cancer Research, 2018, 78, 6320-6328.	0.4	76
47	The Dioxin Receptor Regulates the Constitutive Expression of theVav3Proto-Oncogene and Modulates Cell Shape and Adhesion. Molecular Biology of the Cell, 2009, 20, 1715-1727.	0.9	72
48	Coronin 1A promotes a cytoskeletal-based feedback loop that facilitates Rac1 translocation and activation. EMBO Journal, 2011, 30, 3913-3927.	3.5	69
49	Vav mediates Ras stimulation by direct activation of the GDP/GTP exchange factor Ras GRP1. EMBO Journal, 2003, 22, 3326-3336.	3.5	68
50	K-Ras ^{V14I} recapitulates Noonan syndrome in mice. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16395-16400.	3.3	67
51	Vav Proteins Are Key Regulators of Card9 Signaling for Innate Antifungal Immunity. Cell Reports, 2016, 17, 2572-2583.	2.9	66
52	Control of lymphocyte shape and the chemotactic response by the GTP exchange factor Vav. Blood, 2005, 105, 3026-3034.	0.6	65
53	Expression of the rat prothymosin alpha gene during T-lymphocyte proliferation and liver regeneration. Journal of Biological Chemistry, 1991, 266, 1443-1447.	1.6	65
54	The VAV Family of Signal Transduction Molecules. Critical Reviews in Oncogenesis, 1996, 7, 65-88.	0.2	65

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55	How Vav proteins discriminate the GTPases Rac1 and RhoA from Cdc42. Oncogene, 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. PLoS Biology, 2013, 11, e1001615.	2.6	64
57	The dioxin receptor has tumor suppressor activity in melanoma growth and metastasis. Carcinogenesis, 2013, 34, 2683-2693.	1.3	63
58	Loss of Vav2 Proto-Oncogene Causes Tachycardia and Cardiovascular Disease in Mice. Molecular Biology of the Cell, 2007, 18, 943-952.	0.9	62
59	Wound healing defect of Vav3â^'/â^' mice due to impaired Î²2-integrinâ€"dependent macrophage phagocytosis of apoptotic neutrophils. Blood, 2009, 113, 5266-5276.	0.6	62
60	RasGRF2, a Guanosine Nucleotide Exchange Factor for Ras GTPases, Participates in T-Cell Signaling Responses. Molecular and Cellular Biology, 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. Proceedings of the National Academy of Sciences of the United States of America, 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. Journal of Biological Chemistry, 2004, 279, 16194-16205.	1.6	58
63	RHO GTPases in cancer: known facts, open questions, and therapeutic challenges. Biochemical Society Transactions, 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. Journal of Biological Chemistry, 2011, 286, 2896-2909.	1.6	57
65	Ribosome biogenesis and cancer: basic and translational challenges. Current Opinion in Genetics and Development, 2018, 48, 22-29.	1.5	57
66	The Rho/Rac exchange factor Vav2 controls nitric oxideâ€"dependent responses in mouse vascular smooth muscle cells. Journal of Clinical Investigation, 2010, 120, 315-330.	3.9	57
67	Expression of the rat prothymosin alpha gene during T-lymphocyte proliferation and liver regeneration. Journal of Biological Chemistry, 1991, 266, 1443-7.	1.6	54
68	F-actin-dependent Translocation of the Rap1 GDP/GTP Exchange Factor RasGRP2. Journal of Biological Chemistry, 2004, 279, 20435-20446.	1.6	50
69	YES1 Drives Lung Cancer Growth and Progression and Predicts Sensitivity to Dasatinib. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 888-899.	2.5	50
70	The Vav GEF Family: An Evolutionary and Functional Perspective. Cells, 2019, 8, 465.	1.8	48
71	Signal transduction elements of TC21, an oncogenic member of the R-Ras subfamily of GTP-binding proteins. Oncogene, 1999, 18, 5860-5869.	2.6	47
72	Isolation and characterization of thymosin Î²9Met from pork spleen. Archives of Biochemistry and Biophysics, 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. Journal of Virology, 2006, 80, 6123-6135.	1.5	45
74	Plk1 regulates contraction of postmitotic smooth muscle cells and is required for vascular homeostasis. Nature Medicine, 2017, 23, 964-974.	15.2	44
75	Proteinâ€“Protein Interactions: Emerging Oncotargets in the RAS-ERK Pathway. Trends in Cancer, 2018, 4, 616-633.	3.8	44
76	Vav3 collaborates with p190-BCR-ABL in lymphoid progenitor leukemogenesis, proliferation, and survival. Blood, 2012, 120, 800-811.	0.6	43
77	Involvement of the Rho/Rac family member RhoG in caveolar endocytosis. Oncogene, 2006, 25, 2961-2973.	2.6	42
78	Rac-ing to the plasma membrane. Small GTPases, 2012, 3, 60-66.	0.7	42
79	Inverted signaling hierarchy between RAS and RAC in T-lymphocytes. Oncogene, 2004, 23, 5823-5833.	2.6	41
80	Global conformational rearrangements during the activation of the GDP/GTP exchange factor Vav3. EMBO Journal, 2005, 24, 1330-1340.	3.5	41
81	The C-Terminal SH3 Domain Contributes to the Intramolecular Inhibition of Vav Family Proteins. Science Signaling, 2014, 7, ra35.	1.6	41
82	Transcriptomal profiling of the cellular transformation induced by Rho subfamily GTPases. Oncogene, 2007, 26, 4295-4305.	2.6	39
83	Regulation of Vav proteins by intramolecular events. Frontiers in Bioscience - Landmark, 2002, 7, d24-30.	3.0	38
84	CD147 Inhibits the Nuclear Factor of Activated T-cells by Impairing Vav1 and Rac1 Downstream Signaling. Journal of Biological Chemistry, 2008, 283, 5554-5566.	1.6	37
85	Vav3-deficient Mice Exhibit a Transient Delay in Cerebellar Development. Molecular Biology of the Cell, 2010, 21, 1125-1139.	0.9	37
86	Identification of a Vav2-dependent mechanism for GDNF/Ret control of mesolimbic DAT trafficking. Nature Neuroscience, 2015, 18, 1084-1093.	7.1	37
87	Molecular Cloning of the Mousegrb2Gene: Differential Interaction of the Grb2 Adaptor Protein with Epidermal Growth Factor and Nerve Growth Factor Receptors. Molecular and Cellular Biology, 1993, 13, 5500-5512.	1.1	36
88	Thymosin-beta 4 gene. Preliminary characterization and expression in tissues, thymic cells, and lymphocytes. Journal of Immunology, 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. Oncogene, 1995, 11, 825-31.	2.6	35
90	Structural Basis for the Signaling Specificity of RhoG and Rac1 GTPases. Journal of Biological Chemistry, 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. Cancer Cell, 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. British Journal of Haematology, 2006, 133, 642-645.	1.2	32
93	The TC21 oncoprotein interacts with the Ral guanosine nucleotide dissociation factor. Oncogene, 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. Molecular Biology of the Cell, 2010, 21, 4251-4263.	0.9	30
95	Developmental expression of the vav protooncogene. Cell Growth & Differentiation: the Molecular Biology Journal of the American Association for Cancer Research, 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. PLoS Genetics, 2012, 8, e1002458.	1.5	29
97	The Gammaherpesvirus m2 Protein Manipulates the Fyn/Vav Pathway through a Multidocking Mechanism of Assembly. PLoS ONE, 2008, 3, e1654.	1.1	29
98	A transcriptional cross-talk between RhoA and c-Myc inhibits the RhoA/Rock-dependent cytoskeleton. Oncogene, 2010, 29, 3781-3792.	2.6	28
99	VAV3 mediates resistance to breast cancer endocrine therapy. Breast Cancer Research, 2014, 16, R53.	2.2	28
100	Contribution of the R-Ras2 GTP-binding protein to primary breast tumorigenesis and late-stage metastatic disease. Nature Communications, 2014, 5, 3881.	5.8	28
101	VAV2 signaling promotes regenerative proliferation in both cutaneous and head and neck squamous cell carcinoma. Nature Communications, 2020, 11, 4788.	5.8	27
102	Transcriptomal profiling of site-specific Ras signals. Cellular Signalling, 2007, 19, 2264-2276.	1.7	26
103	Genetic Dissection of the Vav2-Rac1 Signaling Axis in Vascular Smooth Muscle Cells. Molecular and Cellular Biology, 2014, 34, 4404-4419.	1.1	26
104	Immunosuppression-Independent Role of Regulatory T Cells against Hypertension-Driven Renal Dysfunctions. Molecular and Cellular Biology, 2015, 35, 3528-3546.	1.1	26
105	Genomic and Functional Regulation of TRIB1 Contributes to Prostate Cancer Pathogenesis. Cancers, 2020, 12, 2593.	1.7	26
106	The Ras-like protein R-Ras2/TC21 is important for proper mammary gland development. Molecular Biology of the Cell, 2012, 23, 2373-2387.	0.9	25
107	Role of chimaerins, a group of Rac-specific GTPase activating proteins, in T-cell receptor signaling. Cellular Signalling, 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. Cell Metabolism, 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. Science Signaling, 2018, 11, .	1.6	24
110	Understanding Rho/Rac biology in T-cells using animal models. BioEssays, 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. PLoS ONE, 2009, 4, e8229.	1.1	23
112	Phylogenetic conservation of the regulatory and functional properties of the Vav oncoprotein family. Experimental Cell Research, 2005, 308, 364-380.	1.2	22
113	Vav3-induced cytoskeletal dynamics contribute to heterotypic properties of endothelial barriers. Journal of Cell Biology, 2018, 217, 2813-2830.	2.3	22
114	3D structure of Syk kinase determined by single-particle electron microscopy. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 1493-1499.	1.1	21
115	Lung regeneration after toxic injury is improved in absence of dioxin receptor. Stem Cell Research, 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. Cancer Research, 2017, 77, 707-718.	0.4	21
117	Mechanistic Analysis of the Amplification and Diversification Events Induced by Vav Proteins in B-lymphocytes. Journal of Biological Chemistry, 2008, 283, 36454-36464.	1.6	20
118	HERC Ubiquitin Ligases in Cancer. Cancers, 2020, 12, 1653.	1.7	20
119	Transcript levels of thymosin Î²4, an actin-sequestering peptide, in cell proliferation. Biochimica Et Biophysica Acta - Molecular Cell Research, 1993, 1176, 59-63.	1.9	19
120	Conformational rearrangements upon Syk auto-phosphorylation. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2009, 1794, 1211-1217.	1.1	19
121	Identification of distinct maturation steps involved in human 40S ribosomal subunit biosynthesis. Nature Communications, 2020, 11, 156.	5.8	19
122	Identification of the Rock-dependent transcriptome in rodent fibroblasts. Clinical and Translational Oncology, 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. BioEssays, 2012, 34, 748-759.	1.2	18
124	RAS at the Golgi antagonizes malignant transformation through PTPRÎº-mediated inhibition of ERK activation. Nature Communications, 2018, 9, 3595.	5.8	18
125	Differential Role of the RasGEFs Sos1 and Sos2 in Mouse Skin Homeostasis and Carcinogenesis. Molecular and Cellular Biology, 2018, 38, .	1.1	18
126	RAS GTPase-dependent pathways in developmental diseases: old guys, new lads, and current challenges. Current Opinion in Cell Biology, 2018, 55, 42-51.	2.6	18

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127	Vav2 catalysis-dependent pathways contribute to skeletal muscle growth and metabolic homeostasis. Nature Communications, 2020, 11, 5808.	5.8	17
128	New insights into the Vav1 activation cycle in lymphocytes. Cellular Signalling, 2018, 45, 132-144.	1.7	15
129	Rho GTPases in Skeletal Muscle Development and Homeostasis. Cells, 2021, 10, 2984.	1.8	15
130	Coronin1 Proteins Dictate Rac1 Intracellular Dynamics and Cytoskeletal Output. Molecular and Cellular Biology, 2014, 34, 3388-3406.	1.1	13
131	Expression of VAV1 in the tumour microenvironment of glioblastoma multiforme. Journal of Neuro-Oncology, 2012, 110, 69-77.	1.4	12
132	Cancerâ€associated mutations in VAV1 trigger variegated signaling outputs and Tâ€cell lymphomagenesis. EMBO Journal, 2021, 40, e108125.	3.5	12
133	Role of Src Homology Domain Binding in Signaling Complexes Assembled by the Murid Î³-Herpesvirus M2 Protein. Journal of Biological Chemistry, 2013, 288, 3858-3870.	1.6	11
134	Vav proteins maintain epithelial traits in breast cancer cells using miR-200c-dependent and independent mechanisms. Oncogene, 2019, 38, 209-227.	2.6	11
135	Overexpression of wild type RRAS2, without oncogenic mutations, drives chronic lymphocytic leukemia. Molecular Cancer, 2022, 21, 35.	7.9	11
136	Characterization of Novel Molecular Mechanisms Favoring Rac1 Membrane Translocation. PLoS ONE, 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. Oncogene, 2020, 39, 5098-5111.	2.6	10
138	A transcriptional crossâ€“talk between RhoA and câ€“Myc inhibits the RhoA/Rockâ€“dependent cytoskeleton. Small GTPases, 2010, 1, 69-74.	0.7	9
139	Rho guanosine nucleotide exchange factors are not such bad guys after all in cancer^a. Small GTPases, 2020, 11, 233-239.	0.7	9
140	Phosphatidylinositol Monophosphates Regulate Optimal Vav1 Signaling Output. Cells, 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. Frontiers in Cell and Developmental Biology, 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. Cancers, 2021, 13, 2152.	1.7	7
143	Loss of Aryl Hydrocarbon Receptor Favors K-RasG12D-Driven Non-Small Cell Lung Cancer. Cancers, 2021, 13, 4071.	1.7	7
144	New Functions of Vav Family Proteins in Cardiovascular Biology, Skeletal Muscle, and the Nervous System. Biology, 2021, 10, 857.	1.3	7

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145	Vagal afferents contribute to sympathoexcitation-driven metabolic dysfunctions. Journal of Endocrinology, 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. Cell Reports, 2022, 38, 110522.	2.9	7
147	Knocked out by Rho/Rac T-cell biology. Histology and Histopathology, 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. Cancers, 2020, 12, 2498.	1.7	6
149	Lysine Acetylation Reshapes the Downstream Signaling Landscape of Vav1 in Lymphocytes. Cells, 2020, 9, 609.	1.8	6
150	Cytochrome c oxidase subunit II mRNA levels during T-lymphocyte proliferation and liver regeneration. Biochimica Et Biophysica Acta - Molecular Cell Research, 1991, 1092, 184-187.	1.9	5
151	Efficient fractionation and analysis of ribosome assembly intermediates in human cells. RNA Biology, 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. Molecular Biology of the Cell, 2015, 26, 2895-2912.	0.9	4
153	In Silico Analysis of the Age-Dependent Evolution of the Transcriptome of Mouse Skin Stem Cells. Cells, 2020, 9, 165.	1.8	4
154	The Rho guanosine nucleotide exchange factors Vav2 and Vav3 modulate epidermal stem cell function. Oncogene, 2022, 41, 3341-3354.	2.6	3
155	Nuclear Vav3 is required for polycomb repression complex-1 activity in B-cell lymphoblastic leukemogenesis. Nature Communications, 2022, 13, .	5.8	3
156	The levels of cytochrome c oxidase subunit II mRNA change during the rat T-cell development. Biochimica Et Biophysica Acta - Bioenergetics, 1989, 977, 341-343.	0.5	2
157	New Avenue to Inhibit Ras Signaling. Chemistry and Biology, 2014, 21, 1599-1600.	6.2	2
158	Focal accumulation of preribosomes outside the nucleolus during metaphaseâ€“anaphase in budding yeast. Rna, 2017, 23, 1432-1443.	1.6	1
159	An unexpected tumor suppressor role for VAV1^a. Molecular and Cellular Oncology, 2018, 5, e1432257.	0.3	1
160	Distinct Roles of Vav Family Members in Adaptive and Innate Immune Models of Arthritis. Biomedicines, 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. Blood, 2016, 128, 2741-2741.	0.6	1

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163	Editorial overview: New concepts and experimental approaches to understand development, tissue regeneration, and human disease. Current Opinion in Cell Biology, 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. Blood, 2015, 126, 3661-3661.	0.6	0
165	Vav Family. , 2018, , 5892-5906.		0