

Xos R Bustelo

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169
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#	Paper	IF	Citations
158	Specific motifs recognized by the SH2 domains of Csk, 3BP2, fps/fes, GRB-2, HCP, SHC, Syk, and Vav. <i>Molecular and Cellular Biology</i> , 1994 , 14, 2777-85	4.8	856
157	<i>S. typhimurium</i> encodes an activator of Rho GTPases that induces membrane ruffling and nuclear responses in host cells. <i>Cell</i> , 1998 , 93, 815-26	56.2	693
156	Phosphotyrosine-dependent activation of Rac-1 GDP/GTP exchange by the vav proto-oncogene product. <i>Nature</i> , 1997 , 385, 169-72	50.4	688
155	GTP-binding proteins of the Rho/Rac family: regulation, effectors and functions in vivo. <i>BioEssays</i> , 2007 , 29, 356-70	4.1	487
154	Regulatory and signaling properties of the Vav family. <i>Molecular and Cellular Biology</i> , 2000 , 20, 1461-77	4.8	438
153	Analysis of receptor signaling pathways by mass spectrometry: identification of vav-2 as a substrate of the epidermal and platelet-derived growth factor receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 179-84	11.5	380
152	Specific motifs recognized by the SH2 domains of Csk, 3BP2, fps/fes, GRB-2, HCP, SHC, Syk, and Vav. <i>Molecular and Cellular Biology</i> , 1994 , 14, 2777-2785	4.8	302
151	Product of vav proto-oncogene defines a new class of tyrosine protein kinase substrates. <i>Nature</i> , 1992 , 356, 68-71	50.4	297
150	Biological and regulatory properties of Vav-3, a new member of the Vav family of oncoproteins. <i>Molecular and Cellular Biology</i> , 1999 , 19, 7870-85	4.8	221
149	Phosphorylation-dependent and constitutive activation of Rho proteins by wild-type and oncogenic Vav-2. <i>EMBO Journal</i> , 1998 , 17, 6608-21	13	217
148	Tyrosine phosphorylation of the vav proto-oncogene product in activated B cells. <i>Science</i> , 1992 , 256, 1196-9	33.3	190
147	Vav proteins, adaptors and cell signaling. <i>Oncogene</i> , 2001 , 20, 6372-81	9.2	173
146	Azathioprine suppresses ezrin-radixin-moesin-dependent T cell-APC conjugation through inhibition of Vav guanine exchange activity on Rac proteins. <i>Journal of Immunology</i> , 2006 , 176, 640-51	5.3	162
145	The Vav-Rac1 pathway in cytotoxic lymphocytes regulates the generation of cell-mediated killing. <i>Journal of Experimental Medicine</i> , 1998 , 188, 549-59	16.6	153
144	Tyrosine phosphorylation mediates both activation and downmodulation of the biological activity of Vav. <i>Molecular and Cellular Biology</i> , 2000 , 20, 1678-91	4.8	141
143	Human Proteinpedia enables sharing of human protein data. <i>Nature Biotechnology</i> , 2008 , 26, 164-7	44.5	138
142	Rac1 function is required for Src-induced transformation. Evidence of a role for Tiam1 and Vav2 in Rac activation by Src. <i>Journal of Biological Chemistry</i> , 2003 , 278, 34339-46	5.4	136

141	The 90S preribosome is a multimodular structure that is assembled through a hierarchical mechanism. <i>Molecular and Cellular Biology</i> , 2007 , 27, 5414-29	4.8	134
140	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, 9014-9	11.5	128
139	Rac-1 dependent stimulation of the JNK/SAPK signaling pathway by Vav. <i>Oncogene</i> , 1996 , 13, 455-60	9.2	127
138	T cell receptor internalization from the immunological synapse is mediated by TC21 and RhoG GTPase-dependent phagocytosis. <i>Immunity</i> , 2011 , 35, 208-22	32.3	122
137	Exchange factors of the RasGRP family mediate Ras activation in the Golgi. <i>Journal of Biological Chemistry</i> , 2003 , 278, 33465-73	5.4	122
136	Isolation and characterization of murine vav2, a member of the vav family of proto-oncogenes. <i>Oncogene</i> , 1996 , 13, 363-71	9.2	116
135	Activation of Vav/Rho GTPase signaling by CXCL12 controls membrane-type matrix metalloproteinase-dependent melanoma cell invasion. <i>Cancer Research</i> , 2006 , 66, 248-58	10.1	110
134	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	5.4	105
133	Structural determinants for the biological activity of Vav proteins. <i>Journal of Biological Chemistry</i> , 2002 , 277, 45377-92	5.4	102
132	Tyrosine phosphorylation of the vav proto-oncogene product links FcepsilonRI to the Rac1-JNK pathway. <i>Journal of Biological Chemistry</i> , 1997 , 272, 10751-5	5.4	101
131	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. Implications that K protein acts as a docking platform. <i>Journal of Biological Chemistry</i> , 1995 , 270, 26976-85	5.4	100
130	Vav3 proto-oncogene deficiency leads to sympathetic hyperactivity and cardiovascular dysfunction. <i>Nature Medicine</i> , 2006 , 12, 841-5	50.5	98
129	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	5.4	97
128	Molecular cloning of the mouse grb2 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, 5500-12	4.8	96
127	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	5.4	96
126	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	5.4	94
125	Essential function for the GTPase TC21 in homeostatic antigen receptor signaling. <i>Nature Immunology</i> , 2009 , 10, 880-8	19.1	91
124	Specific phosphorylation of p120-catenin regulatory domain differently modulates its binding to RhoA. <i>Molecular and Cellular Biology</i> , 2007 , 27, 1745-57	4.8	91

123	Vav family exchange factors: an integrated regulatory and functional view. <i>Small GTPases</i> , 2014 , 5, 9	2.7	88
122	A mouse model for Costello syndrome reveals an Ang II-mediated hypertensive condition. <i>Journal of Clinical Investigation</i> , 2008 , 118, 2169-79	15.9	87
121	Association of the vav proto-oncogene product with poly(rC)-specific RNA-binding proteins. <i>Molecular and Cellular Biology</i> , 1995 , 15, 1324-32	4.8	84
120	The rho exchange factors vav2 and vav3 control a lung metastasis-specific transcriptional program in breast cancer cells. <i>Science Signaling</i> , 2012 , 5, ra71	8.8	83
119	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, 2511-20	9.2	83
118	Vav1 and Rac control chemokine-promoted T lymphocyte adhesion mediated by the integrin alpha4beta1. <i>Molecular Biology of the Cell</i> , 2005 , 16, 3223-35	3.5	80
117	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, 1145-52	4.6	73
116	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, 37385-97	5.4	73
115	Vav cooperates with Ras to transform rodent fibroblasts but is not a Ras GDP/GTP exchange factor. <i>Oncogene</i> , 1994 , 9, 2405-13	9.2	71
114	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	11.5	67
113	Vav mediates Ras stimulation by direct activation of the GDP/GTP exchange factor Ras GRP1. <i>EMBO Journal</i> , 2003 , 22, 3326-36	13	66
112	The dioxin receptor regulates the constitutive expression of the vav3 proto-oncogene and modulates cell shape and adhesion. <i>Molecular Biology of the Cell</i> , 2009 , 20, 1715-27	3.5	64
111	Control of lymphocyte shape and the chemotactic response by the GTP exchange factor Vav. <i>Blood</i> , 2005 , 105, 3026-34	2.2	63
110	The VAV family of signal transduction molecules. <i>Critical Reviews in Oncogenesis</i> , 1996 , 7, 65-88	1.3	62
109	How Vav proteins discriminate the GTPases Rac1 and RhoA from Cdc42. <i>Oncogene</i> , 2001 , 20, 8057-65	9.2	59
108	The dioxin receptor has tumor suppressor activity in melanoma growth and metastasis. <i>Carcinogenesis</i> , 2013 , 34, 2683-93	4.6	55
107	Coronin 1A promotes a cytoskeletal-based feedback loop that facilitates Rac1 translocation and activation. <i>EMBO Journal</i> , 2011 , 30, 3913-27	13	55
106	Wound healing defect of Vav3 ^{-/-} mice due to impaired {beta}2-integrin-dependent macrophage phagocytosis of apoptotic neutrophils. <i>Blood</i> , 2009 , 113, 5266-76	2.2	54

105	Expression of the rat prothymosin alpha gene during T-lymphocyte proliferation and liver regeneration. <i>Journal of Biological Chemistry</i> , 1991 , 266, 1443-1447	5.4	54
104	RasGRF2, a guanosine nucleotide exchange factor for Ras GTPases, participates in T-cell signaling responses. <i>Molecular and Cellular Biology</i> , 2007 , 27, 8127-42	4.8	53
103	Loss of Vav2 proto-oncogene causes tachycardia and cardiovascular disease in mice. <i>Molecular Biology of the Cell</i> , 2007 , 18, 943-52	3.5	53
102	Expression of the rat prothymosin alpha gene during T-lymphocyte proliferation and liver regeneration. <i>Journal of Biological Chemistry</i> , 1991 , 266, 1443-7	5.4	53
101	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, 5015-20	11.5	51
100	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, 2896-909	5.4	51
99	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, 315-30	15.9	51
98	K-RasV14I recapitulates Noonan syndrome in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 16395-400	11.5	49
97	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, 16194-205	5.4	49
96	Vav Proteins Are Key Regulators of Card9 Signaling for Innate Antifungal Immunity. <i>Cell Reports</i> , 2016 , 17, 2572-2583	10.6	47
95	Isolation and characterization of thymosin beta 9 Met from pork spleen. <i>Archives of Biochemistry and Biophysics</i> , 1989 , 273, 396-402	4.1	43
94	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, 6123-35	6.6	41
93	F-actin-dependent translocation of the Rap1 GDP/GTP exchange factor RasGRP2. <i>Journal of Biological Chemistry</i> , 2004 , 279, 20435-46	5.4	41
92	Signal transduction elements of TC21, an oncogenic member of the R-Ras subfamily of GTP-binding proteins. <i>Oncogene</i> , 1999 , 18, 5860-9	9.2	41
91	RHO GTPases in cancer: known facts, open questions, and therapeutic challenges. <i>Biochemical Society Transactions</i> , 2018 , 46, 741-760	5.1	40
90	CANCERTOOL: A Visualization and Representation Interface to Exploit Cancer Datasets. <i>Cancer Research</i> , 2018 , 78, 6320-6328	10.1	40
89	Involvement of the Rho/Rac family member RhoG in caveolar endocytosis. <i>Oncogene</i> , 2006 , 25, 2961-73	9.2	39
88	Inverted signaling hierarchy between RAS and RAC in T-lymphocytes. <i>Oncogene</i> , 2004 , 23, 5823-33	9.2	39

87	Global conformational rearrangements during the activation of the GDP/GTP exchange factor Vav3. <i>EMBO Journal</i> , 2005 , 24, 1330-40	13	39
86	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	9.7	38
85	Vav3 collaborates with p190-BCR-ABL in lymphoid progenitor leukemogenesis, proliferation, and survival. <i>Blood</i> , 2012 , 120, 800-11	2.2	37
84	Rac-ing to the plasma membrane: the long and complex work commute of Rac1 during cell signaling. <i>Small GTPases</i> , 2012 , 3, 60-6	2.7	37
83	Regulation of Vav proteins by intramolecular events. <i>Frontiers in Bioscience - Landmark</i> , 2002 , 7, d24-30	2.8	35
82	Thymosin-beta 4 gene. Preliminary characterization and expression in tissues, thymic cells, and lymphocytes. <i>Journal of Immunology</i> , 1989 , 143, 2740-4	5.3	35
81	Ribosome biogenesis and cancer: basic and translational challenges. <i>Current Opinion in Genetics and Development</i> , 2018 , 48, 22-29	4.9	35
80	Transcriptomal profiling of the cellular transformation induced by Rho subfamily GTPases. <i>Oncogene</i> , 2007 , 26, 4295-305	9.2	34
79	Molecular cloning of the mouse grb2 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	4.8	34
78	CD147 inhibits the nuclear factor of activated T-cells by impairing Vav1 and Rac1 downstream signaling. <i>Journal of Biological Chemistry</i> , 2008 , 283, 5554-66	5.4	33
77	Structural basis for the signaling specificity of RhoG and Rac1 GTPases. <i>Journal of Biological Chemistry</i> , 2003 , 278, 37916-25	5.4	33
76	Vav3-deficient mice exhibit a transient delay in cerebellar development. <i>Molecular Biology of the Cell</i> , 2010 , 21, 1125-39	3.5	32
75	Identification of a Vav2-dependent mechanism for GDNF/Ret control of mesolimbic DAT trafficking. <i>Nature Neuroscience</i> , 2015 , 18, 1084-93	25.5	31
74	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	9.2	31
73	Protein-Protein Interactions: Emerging Oncotargets in the RAS-ERK Pathway. <i>Trends in Cancer</i> , 2018 , 4, 616-633	12.5	27
72	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		27
71	The TC21 oncoprotein interacts with the Ral guanosine nucleotide dissociation factor. <i>Oncogene</i> , 1996 , 12, 463-70	9.2	27
70	The C-terminal SH3 domain contributes to the intramolecular inhibition of Vav family proteins. <i>Science Signaling</i> , 2014 , 7, ra35	8.8	26

69	Reduction of NADPH-oxidase activity ameliorates the cardiovascular phenotype in a mouse model of Williams-Beuren Syndrome. <i>PLoS Genetics</i> , 2012 , 8, e1002458	6	26
68	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, 642-5	4.5	26
67	The Gammaherpesvirus m2 protein manipulates the Fyn/Vav pathway through a multidocking mechanism of assembly. <i>PLoS ONE</i> , 2008 , 3, e1654	3.7	26
66	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	24.3	25
65	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, 4251-63	3.5	25
64	Role of chimaerins, a group of Rac-specific GTPase activating proteins, in T-cell receptor signaling. <i>Cellular Signalling</i> , 2008 , 20, 758-70	4.9	24
63	Transcriptomal profiling of site-specific Ras signals. <i>Cellular Signalling</i> , 2007 , 19, 2264-76	4.9	23
62	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	10.2	22
61	Plk1 regulates contraction of postmitotic smooth muscle cells and is required for vascular homeostasis. <i>Nature Medicine</i> , 2017 , 23, 964-974	50.5	22
60	Understanding Rho/Rac biology in T-cells using animal models. <i>BioEssays</i> , 2002 , 24, 602-12	4.1	22
59	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	3.7	22
58	VAV3 mediates resistance to breast cancer endocrine therapy. <i>Breast Cancer Research</i> , 2014 , 16, R53	8.3	21
57	3D structure of Syk kinase determined by single-particle electron microscopy. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2007 , 1774, 1493-9	4	21
56	The Vav GEF Family: An Evolutionary and Functional Perspective. <i>Cells</i> , 2019 , 8,	7.9	20
55	Immunosuppression-Independent Role of Regulatory T Cells against Hypertension-Driven Renal Dysfunctions. <i>Molecular and Cellular Biology</i> , 2015 , 35, 3528-46	4.8	20
54	Contribution of the R-Ras2 GTP-binding protein to primary breast tumorigenesis and late-stage metastatic disease. <i>Nature Communications</i> , 2014 , 5, 3881	17.4	20
53	Mechanistic analysis of the amplification and diversification events induced by Vav proteins in B-lymphocytes. <i>Journal of Biological Chemistry</i> , 2008 , 283, 36454-64	5.4	20
52	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	24.6	19

51	The Ras-like protein R-Ras2/TC21 is important for proper mammary gland development. <i>Molecular Biology of the Cell</i> , 2012 , 23, 2373-87	3.5	19
50	Conformational rearrangements upon Syk auto-phosphorylation. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009 , 1794, 1211-7	4	18
49	Transcript levels of thymosin beta 4, an actin-sequestering peptide, in cell proliferation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1993 , 1176, 59-63	4.9	18
48	Intratumoral stages of metastatic cells: a synthesis of ontogeny, Rho/Rac GTPases, epithelial-mesenchymal transitions, and more. <i>BioEssays</i> , 2012 , 34, 748-59	4.1	17
47	A transcriptional cross-talk between RhoA and c-Myc inhibits the RhoA/Rock-dependent cytoskeleton. <i>Oncogene</i> , 2010 , 29, 3781-92	9.2	17
46	Phylogenetic conservation of the regulatory and functional properties of the Vav oncoprotein family. <i>Experimental Cell Research</i> , 2005 , 308, 364-80	4.2	17
45	Vav3-induced cytoskeletal dynamics contribute to heterotypic properties of endothelial barriers. <i>Journal of Cell Biology</i> , 2018 , 217, 2813-2830	7.3	16
44	Genetic dissection of the vav2-rac1 signaling axis in vascular smooth muscle cells. <i>Molecular and Cellular Biology</i> , 2014 , 34, 4404-19	4.8	16
43	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	10.1	16
42	Identification of the Rock-dependent transcriptome in rodent fibroblasts. <i>Clinical and Translational Oncology</i> , 2008 , 10, 726-38	3.6	16
41	R-Ras2 is required for germinal center formation to aid B cells during energetically demanding processes. <i>Science Signaling</i> , 2018 , 11,	8.8	15
40	Lung regeneration after toxic injury is improved in absence of dioxin receptor. <i>Stem Cell Research</i> , 2017 , 25, 61-71	1.6	14
39	Coronin1 proteins dictate rac1 intracellular dynamics and cytoskeletal output. <i>Molecular and Cellular Biology</i> , 2014 , 34, 3388-406	4.8	12
38	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	9	11
37	VAV2 signaling promotes regenerative proliferation in both cutaneous and head and neck squamous cell carcinoma. <i>Nature Communications</i> , 2020 , 11, 4788	17.4	11
36	RAS at the Golgi antagonizes malignant transformation through PTPRE-mediated inhibition of ERK activation. <i>Nature Communications</i> , 2018 , 9, 3595	17.4	11
35	New insights into the Vav1 activation cycle in lymphocytes. <i>Cellular Signalling</i> , 2018 , 45, 132-144	4.9	10
34	Role of Src homology domain binding in signaling complexes assembled by the murid Herpesvirus M2 protein. <i>Journal of Biological Chemistry</i> , 2013 , 288, 3858-70	5.4	10

33	Vav proteins maintain epithelial traits in breast cancer cells using miR-200c-dependent and independent mechanisms. <i>Oncogene</i> , 2019 , 38, 209-227	9.2	9
32	Expression of VAV1 in the tumour microenvironment of glioblastoma multiforme. <i>Journal of Neuro-Oncology</i> , 2012 , 110, 69-77	4.8	9
31	Identification of distinct maturation steps involved in human 40S ribosomal subunit biosynthesis. <i>Nature Communications</i> , 2020 , 11, 156	17.4	9
30	Differential Role of the RasGEFs Sos1 and Sos2 in Mouse Skin Homeostasis and Carcinogenesis. <i>Molecular and Cellular Biology</i> , 2018 , 38,	4.8	9
29	HERC Ubiquitin Ligases in Cancer. <i>Cancers</i> , 2020 , 12,	6.6	8
28	Characterization of Novel Molecular Mechanisms Favoring Rac1 Membrane Translocation. <i>PLoS ONE</i> , 2016 , 11, e0166715	3.7	8
27	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	9.2	6
26	Vagal afferents contribute to sympathoexcitation-driven metabolic dysfunctions. <i>Journal of Endocrinology</i> , 2019 , 240, 483-496	4.7	6
25	Vav2 catalysis-dependent pathways contribute to skeletal muscle growth and metabolic homeostasis. <i>Nature Communications</i> , 2020 , 11, 5808	17.4	6
24	Rho guanosine nucleotide exchange factors are not such bad guys after all in cancer. <i>Small GTPases</i> , 2020 , 11, 233-239	2.7	6
23	Knocked out by Rho/Rac T-cell biology. <i>Histology and Histopathology</i> , 2002 , 17, 871-5	1.4	6
22	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, 2895-912	3.5	4
21	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, 184-7	4.9	4
20	Overexpression of wild type RRAS2, without oncogenic mutations, drives chronic lymphocytic leukemia.. <i>Molecular Cancer</i> , 2022 , 21, 35	42.1	3
19	Genomic and Functional Regulation of TRIB1 Contributes to Prostate Cancer Pathogenesis. <i>Cancers</i> , 2020 , 12,	6.6	3
18	Phosphatidylinositol Monophosphates Regulate Optimal Vav1 Signaling Output. <i>Cells</i> , 2019 , 8,	7.9	3
17	New Functions of Vav Family Proteins in Cardiovascular Biology, Skeletal Muscle, and the Nervous System. <i>Biology</i> , 2021 , 10,	4.9	3
16	Lysine Acetylation Reshapes the Downstream Signaling Landscape of Vav1 in Lymphocytes. <i>Cells</i> , 2020 , 9,	7.9	2

15	Computational and 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	5.7	2
14	New avenue to inhibit Ras signaling. <i>Chemistry and Biology</i> , 2014 , 21, 1599-600		2
13	A transcriptional cross-talk between RhoA and c-Myc inhibits the RhoA/Rock-dependent cytoskeleton. <i>Small GTPases</i> , 2010 , 1, 69-74	2.7	2
12	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, 341-3	4.6	2
11	Cancer-associated mutations in VAV1 trigger variegated signaling outputs and T-cell lymphomagenesis. <i>EMBO Journal</i> , 2021 , 40, e108125	13	2
10	Loss of Aryl Hydrocarbon Receptor Favors -Driven Non-Small Cell Lung Cancer. <i>Cancers</i> , 2021 , 13,	6.6	2
9	Efficient fractionation and analysis of ribosome assembly intermediates in human cells. <i>RNA Biology</i> , 2021 , 1-16	4.8	2
8	Focal accumulation of preribosomes outside the nucleolus during metaphase-anaphase in budding yeast. <i>Rna</i> , 2017 , 23, 1432-1443	5.8	1
7	In Silico Analysis of the Age-Dependent Evolution of the Transcriptome of Mouse Skin Stem Cells. <i>Cells</i> , 2020 , 9,	7.9	1
6	An unexpected tumor suppressor role for VAV1. <i>Molecular and Cellular Oncology</i> , 2018 , 5, e1432257	1.2	1
5	Rho GTPases in Skeletal Muscle Development and Homeostasis. <i>Cells</i> , 2021 , 10,	7.9	1
4	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,	6.6	1
3	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	10.6	1
2	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	2.2	
1	VAV1 Activating Mutations and Translocations in Peripheral T-Cell Lymphomas. <i>Blood</i> , 2016 , 128, 2741-2741	2.4	