Vaclav Horejsi

List of Publications by Year in Descending Order

138 papers	8,212 citations	49 h-index	87 g-index
151 ext. papers	8,782 ext. citations	7.6 avg, IF	5.31 L-index

#	Paper	IF	Citations
138	UniCAR T cell immunotherapy enables efficient elimination of radioresistant cancer cells. *OncoImmunology*, **2020**, 9, 1743036	7.2	6
137	Tumour devascularisation as a potential immunotherapeutic strategy. *OncoImmunology*, **2019**, 8, e1526614	7.2	
136	The mannose 6-phosphate/insulin-like growth factor 2 receptor mediates plasminogen-induced efferocytosis. *Journal of Leukocyte Biology*, **2019**, 105, 519-530	6.5	2
135	The use of styrene-maleic acid copolymer (SMA) for studies on T cell membrane rafts. *Biochimica Et Biophysica Acta - Biomembranes*, **2019**, 1861, 130-141	3.8	9
134	Development of Novel Anti-CD10 Target Modules for Redirection of Universal CAR T Cells Against CD10-Positive Malignancies. *Blood*, **2019**, 134, 5612-5612	2.2	1
133	Fab antibody fragment-functionalized liposomes for specific targeting of antigen-positive cells. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2018**, 14, 123-130	6	28
132	EVI2B is a C/EBP□target gene required for granulocytic differentiation and functionality of hematopoietic progenitors. *Cell Death and Differentiation*, **2017**, 24, 705-716	12.7	16
131	CD Nomenclature 2015: Human Leukocyte Differentiation Antigen Workshops as a Driving Force in Immunology. *Journal of Immunology*, **2015**, 195, 4555-63	5.3	80
130	Palmitoylated transmembrane adaptor proteins in leukocyte signaling. *Cellular Signalling*, **2014**, 26, 895-902	4.9	30
129	Membrane microdomains in immunoreceptor signaling. *FEBS Letters*, **2014**, 588, 2392-7	3.8	39
128	MicroRNA editing facilitates immune elimination of HCMV infected cells. *PLoS Pathogens*, **2014**, 10, e1003963	7.3	35
127	LST1/A is a myeloid leukocyte-specific transmembrane adaptor protein recruiting protein tyrosine phosphatases SHP-1 and SHP-2 to the plasma membrane.. *Journal of Biological Chemistry*, **2013**, 288, 28309	5.4	78
126	Nonredundant roles of Src-family kinases and Syk in the initiation of B-cell antigen receptor signaling. *Journal of Immunology*, **2013**, 190, 1807-18	5.3	21
125	The transmembrane region is responsible for targeting of adaptor protein LAX into "heavy rafts". *PLoS ONE*, **2012**, 7, e36330	3.7	4
124	LST1/A is a myeloid leukocyte-specific transmembrane adaptor protein recruiting protein tyrosine phosphatases SHP-1 and SHP-2 to the plasma membrane. *Journal of Biological Chemistry*, **2012**, 287, 22812-21	5.4	17
123	Interaction of late apoptotic and necrotic cells with vitronectin. *PLoS ONE*, **2011**, 6, e19243	3.7	17
122	Btk is a positive regulator in the TREM-1/DAP12 signaling pathway. *Blood*, **2011**, 118, 936-45	2.2	35

121	Pre-sorting endosomal transport of the GPI-anchored protein, CD59, is regulated by EHD1. *Traffic*, **2011**, 12, 102-20	5.7	16
120	The effects of membrane compartmentalization of csk on TCR signaling. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2011**, 1813, 367-76	4.9	13
119	PRR7 is a transmembrane adaptor protein expressed in activated T cells involved in regulation of T cell receptor signaling and apoptosis. *Journal of Biological Chemistry*, **2011**, 286, 19617-29	5.4	10
118	SCIMP, a transmembrane adaptor protein involved in major histocompatibility complex class II signaling. *Molecular and Cellular Biology*, **2011**, 31, 4550-62	4.8	41
117	Regulation of Src family kinases involved in T cell receptor signaling by protein-tyrosine phosphatase CD148. *Journal of Biological Chemistry*, **2011**, 286, 22101-12	5.4	27
116	LAT--an important raft-associated transmembrane adaptor protein. Delivered on 6 July 2009 at the 34th FEBS Congress in Prague, Czech Republic. *FEBS Journal*, **2010**, 277, 4383-97	5.7	7
115	A new type of membrane raft-like microdomains and their possible involvement in TCR signaling. *Journal of Immunology*, **2010**, 184, 3689-96	5.3	31
114	Antibody array analysis with label-based detection and resolution of protein size. *Molecular and Cellular Proteomics*, **2009**, 8, 245-57	7.6	32
113	Czech bibliometric system fosters mediocre research. *Nature*, **2009**, 460, 1079	50.4	1
112	Kit- and Fc epsilonRI-induced differential phosphorylation of the transmembrane adaptor molecule NTAL/LAB/LAT2 allows flexibility in its scaffolding function in mast cells. *Cellular Signalling*, **2008**, 20, 195-205	4.9	55
111	LFA-1-mediated leukocyte adhesion regulated by interaction of CD43 with LFA-1 and CD147. *Molecular Immunology*, **2008**, 45, 1703-11	4.3	24
110	The Csk-binding protein PAG regulates PDGF-induced Src mitogenic signaling via GM1. *Journal of Cell Biology*, **2008**, 182, 603-14	7.3	29
109	HLA-E: strong association with beta2-microglobulin and surface expression in the absence of HLA class I signal sequence-derived peptides. *Journal of Immunology*, **2008**, 181, 5442-50	5.3	29
108	Deletion of the LIME adaptor protein minimally affects T and B cell development and function. *European Journal of Immunology*, **2007**, 37, 3259-69	6.1	15
107	Non-T cell activation linker (NTAL) negatively regulates TREM-1/DAP12-induced inflammatory cytokine production in myeloid cells. *Journal of Immunology*, **2007**, 178, 1991-9	5.3	47
106	Dysregulation of Src family kinases in mast cells from epilepsy-resistant ASK versus epilepsy-prone EL mice. *Journal of Immunology*, **2007**, 178, 455-62	5.3	20
105	Dendritic cells sensitize TCRs through self-MHC-mediated Src family kinase activation. *Journal of Immunology*, **2007**, 178, 2262-71	5.3	3
104	Expression and release of soluble HLA-E is an immunoregulatory feature of endothelial cell activation. *Blood*, **2007**, 109, 2806-14	2.2	122

103	A novel negative regulatory function of the phosphoprotein associated with glycosphingolipid-enriched microdomains: blocking Ras activation. *Blood*, **2007**, 110, 596-615	2.2	49
102	The Src family kinase Hck regulates mast cell activation by suppressing an inhibitory Src family kinase Lyn. *Blood*, **2007**, 110, 2511-9	2.2	64
101	Transmembrane adaptor molecules: a new category of lymphoid-cell markers. *Blood*, **2006**, 107, 213-21	2.2	35
100	HLA-G levels in serum and plasma. *Tissue Antigens*, **2006**, 67, 111-6		31
99	CD molecules 2005: human cell differentiation molecules. *Blood*, **2005**, 106, 3123-6	2.2	92
98	Lipid rafts and their roles in T-cell activation. *Microbes and Infection*, **2005**, 7, 310-6	9.3	47
97	Expression pattern of adaptor protein PAG: correlation between secondary lymphatic follicle and histogenetically related malignant lymphomas. *Immunology Letters*, **2005**, 100, 94-7	4.1	10
96	Non-lineage antigens: section report. *Cellular Immunology*, **2005**, 236, 42-7	4.4	
95	The HLDA8 blind panel: findings and conclusions. *Journal of Immunological Methods*, **2005**, 305, 75-83	2.5	3
94	Single and combined deletions of the NTAL/LAB and LAT adaptors minimally affect B-cell development and function. *Molecular and Cellular Biology*, **2005**, 25, 4455-65	4.8	40
93	The CD85J/leukocyte inhibitory receptor-1 distinguishes between conformed and beta 2-microglobulin-free HLA-G molecules. *Journal of Immunology*, **2005**, 175, 4866-74	5.3	92
92	TGF-beta-induced apoptosis in endothelial cells mediated by M6P/IGFII-R and mini-plasminogen. *Journal of Cell Science*, **2005**, 118, 4577-86	5.3	48
91	Colocalization of the tetraspanins, CO-029 and CD151, with integrins in human pancreatic adenocarcinoma: impact on cell motility. *Clinical Cancer Research*, **2005**, 11, 2840-52	12.9	106
90	Conformational variation of surface class II MHC proteins during myeloid dendritic cell differentiation accompanies structural changes in lysosomal MIIC. *Journal of Immunology*, **2005**, 175, 4935-47	5.3	32
89	Monoclonal antibodies specific for the empty conformation of HLA-DR1 reveal aspects of the conformational change associated with peptide binding. *Journal of Biological Chemistry*, **2004**, 279, 16561-70	5.4	44
88	Negative regulation of mast cell signaling and function by the adaptor LAB/NTAL. *Journal of Experimental Medicine*, **2004**, 200, 1001-13	16.6	111
87	Amino acids at the N- and C-termini of human glutamate carboxypeptidase II are required for enzymatic activity and proper folding. *FEBS Journal*, **2004**, 271, 2782-90		27
86	Transmembrane adaptor proteins: organizers of immunoreceptor signalling. *Nature Reviews Immunology*, **2004**, 4, 603-16	36.5	166

85	Transmembrane adaptor proteins in membrane microdomains: important regulators of immunoreceptor signaling. *Immunology Letters*, **2004**, 92, 43-9	4.1	34
84	Grb2 and the non-T cell activation linker NTAL constitute a Ca(2+)-regulating signal circuit in B lymphocytes. *Immunity*, **2004**, 21, 681-91	32.3	73
83	NTAL phosphorylation is a pivotal link between the signaling cascades leading to human mast cell degranulation following Kit activation and Fc epsilon RI aggregation. *Blood*, **2004**, 104, 207-14	2.2	102
82	Complexes of HLA-G protein on the cell surface are important for leukocyte Ig-like receptor-1 function. *Journal of Immunology*, **2003**, 171, 1343-51	5.3	124
81	Combined spatial and enzymatic regulation of Csk by cAMP and protein kinase a inhibits T cell receptor signaling. *Journal of Biological Chemistry*, **2003**, 278, 17597-600	5.4	56
80	Constitutive exclusion of Csk from Hck-positive membrane microdomains permits Src kinase-dependent proliferation of Theileria-transformed B lymphocytes. *Blood*, **2003**, 101, 1874-81	2.2	49
79	The roles of membrane microdomains (rafts) in T cell activation. *Immunological Reviews*, **2003**, 191, 148-64	14.3	116
78	The 5th EFIS Tatra Immunology Conference on "Molecular determinants of T cell immunity" held in the High Tatra Mountains, Slovakia, September 7-11, 2002. *Immunology Letters*, **2003**, 86, 1-6	4.1	3
77	A novel monoclonal reagent recognizing native and denatured Vbeta5.3-related chains of human T cell receptor. *Immunology Letters*, **2003**, 88, 105-8	4.1	
76	Special organization of the HLA-G protein on the cell surface. *Human Immunology*, **2003**, 64, 1011-6	2.3	28
75	Regulation of CD43-induced U937 homotypic aggregation. *Experimental Cell Research*, **2003**, 290, 155-67	4.2	32
74	Characterization of monoclonal antibodies recognizing HLA-G or HLA-E: new tools to analyze the expression of nonclassical HLA class I molecules. *Human Immunology*, **2003**, 64, 315-26	2.3	134
73	Phosphorylation-dependent regulation of T-cell activation by PAG/Cbp, a lipid raft-associated transmembrane adaptor. *Molecular and Cellular Biology*, **2003**, 23, 2017-28	4.8	166
72	LIME: a new membrane Raft-associated adaptor protein involved in CD4 and CD8 coreceptor signaling. *Journal of Experimental Medicine*, **2003**, 198, 1453-62	16.6	94
71	Transient activation of the c-Jun N-terminal kinase (JNK) activity by ligation of the tetraspan CD53 antigen in different cell types. *FEBS Journal*, **2002**, 269, 1012-21		19
70	GPI-microdomains (membrane rafts) and signaling of the multi-chain interleukin-2 receptor in human lymphoma/leukemia T cell lines. *FEBS Journal*, **2002**, 269, 1199-208		72
69	Tetraspan microdomains distinct from lipid rafts enrich select peptide-MHC class II complexes. *Nature Immunology*, **2002**, 3, 61-8	19.1	192
68	Release and intercellular transfer of cell surface CD81 via microparticles. *Journal of Immunology*, **2002**, 169, 5531-7	5.3	63

67	The N terminus of mannose 6-phosphate/insulin-like growth factor 2 receptor in regulation of fibrinolysis and cell migration. *Journal of Biological Chemistry*, **2002**, 277, 40575-82	5.4	48
66	Non-T cell activation linker (NTAL): a transmembrane adaptor protein involved in immunoreceptor signaling. *Journal of Experimental Medicine*, **2002**, 196, 1617-26	16.6	176
65	Molecular mechanisms involved in CD43-mediated apoptosis of TF-1 cells. Roles of transcription Daxx expression, and adhesion molecules. *Journal of Biological Chemistry*, **2002**, 277, 7955-61	5.4	26
64	LAT displacement from lipid rafts as a molecular mechanism for the inhibition of T cell signaling by polyunsaturated fatty acids. *Journal of Biological Chemistry*, **2002**, 277, 28418-23	5.4	134
63	Differential role of glycolipid-enriched membrane domains in glycoprotein VI- and integrin-mediated phospholipase Cgamma2 regulation in platelets. *Biochemical Journal*, **2002**, 364, 755-65	3.8	93
62	CD Antigens 2001. *Modern Pathology*, **2002**, 15, 71-6	9.8	6
61	Disulfide bond-mediated dimerization of HLA-G on the cell surface. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 16180-5	11.5	185
60	Adapters in lymphocyte signaling. *Journal of Clinical Investigation*, **2002**, 109, 301-309	15.9	54
59	Adapters in lymphocyte signaling. *Journal of Clinical Investigation*, **2002**, 109, 301-9	15.9	20
58	The functional interactions between CD98, beta1-integrins, and CD147 in the induction of U937 homotypic aggregation. *Blood*, **2001**, 98, 374-82	2.2	111
57	The epitope recognized by pan-HLA class I-reactive monoclonal antibody W6/32 and its relationship to unusual stability of the HLA-B27/beta2-microglobulin complex. *Immunogenetics*, **2001**, 53, 440-6	3.2	22
56	The lipopolysaccharide co-receptor CD14 is present and functional in seminal plasma and expressed on spermatozoa. *Immunology*, **2001**, 104, 317-23	7.8	21
55	Release from tonic inhibition of T cell activation through transient displacement of C-terminal Src kinase (Csk) from lipid rafts. *Journal of Biological Chemistry*, **2001**, 276, 29313-8	5.4	128
54	A novel anti-CD18 mAb recognizes an activation-related epitope and induces a high-affinity conformation in leukocyte integrins. *Immunobiology*, **2001**, 203, 687-98	3.4	28
53	Production of HIV-1 by resting memory T lymphocytes. *Aids*, **2001**, 15, 1931-40	3.5	12
52	CDw149 antibodies recognize a clustered subset of CD47 molecules associated with cytoplasmic signaling molecules. *Tissue Antigens*, **2000**, 56, 258-67		6
51	Novel molecular mechanisms of dendritic cell-induced T cell activation. *International Immunology*, **2000**, 12, 1051-61	4.9	46
50	Phosphoprotein associated with glycosphingolipid-enriched microdomains (PAG), a novel ubiquitously expressed transmembrane adaptor protein, binds the protein tyrosine kinase csk and is involved in regulation of T cell activation. *Journal of Experimental Medicine*, **2000**, 191, 1591-604	16.6	401

49	CD43-mediated signals induce DNA binding activity of AP-1, NF-AT, and NFkappa B transcription factors in human T lymphocytes. *Journal of Biological Chemistry*, **2000**, 275, 31460-8	5.4	39
48	Human leukocytes contain a large pool of free forms of CD18. *Biochemical and Biophysical Research Communications*, **2000**, 275, 295-9	3.4	15
47	T cell activation-associated epitopes of CD147 in regulation of the T cell response, and their definition by antibody affinity and antigen density. *International Immunology*, **1999**, 11, 777-86	4.9	114
46	The nature of the subset of MHC class II molecules carrying the CDw78 epitopes. *International Immunology*, **1999**, 11, 491-8	4.9	24
45	CD4 segregates into specific detergent-resistant T-cell membrane microdomains. *Tissue Antigens*, **1999**, 53, 33-40		55
44	The CBF.78 monoclonal antibody to human sialophorin has distinct properties giving new insights into the CD43 marker and its activation pathway. *Tissue Antigens*, **1999**, 54, 1-15		6
43	M6P/IGFII-receptor complexes urokinase receptor and plasminogen for activation of transforming growth factor-beta1. *European Journal of Immunology*, **1999**, 29, 1004-13	6.1	144
42	Structural study of the O-linked sugar chains of human leukocyte tyrosine phosphatase CD45. *FEBS Journal*, **1998**, 251, 288-94		31
41	A clustered subset of MHC class II molecules. *Trends in Immunology*, **1998**, 19, 486		1
40	Association of human NK cell surface receptors NKR-P1 and CD94 with Src-family protein kinases. *Immunogenetics*, **1997**, 46, 231-6	3.2	22
39	CDw78--a determinant on a major histocompatibility complex class II subpopulation that can be induced to associate with the cytoskeleton. *European Journal of Immunology*, **1997**, 27, 3206-13	6.1	12
38	Melanoma cells constitutively release an anchor-positive soluble form of protectin (sCD59) that retains functional activities in homologous complement-mediated cytotoxicity. *Journal of Clinical Investigation*, **1997**, 100, 1248-55	15.9	28
37	Association of leukocyte surface receptors with protein kinases. *International Archives of Allergy and Immunology*, **1996**, 110, 1-6	3.7	4
36	Noncovalent associations of T lymphocyte surface proteins. *European Journal of Immunology*, **1996**, 26, 2335-43	6.1	97
35	An alternative way of CD4 and CD8 association with protein kinases of the Src family. *Immunogenetics*, **1995**, 41, 110-6	3.2	25
34	Urokinase plasminogen activator receptor, beta 2-integrins, and Src-kinases within a single receptor complex of human monocytes. *Journal of Experimental Medicine*, **1995**, 181, 1381-90	16.6	341
33	Exogenous glycosyl phosphatidylinositol-anchored CD59 associates with kinases in membrane clusters on U937 cells and becomes Ca(2+)-signaling competent. *Journal of Cell Biology*, **1995**, 131, 669-77	7.3	120
32	Exogenous CD59 incorporated into U937 cells through its glycosyl phosphatidylinositol anchor becomes associated with signalling molecules in a time dependent manner. *Biochemical Society Transactions*, **1995**, 23, 269S	5.1	4

31	Association of the GPI-anchored leucocyte surface glycoproteins with ganglioside GM3. *Biochemical and Biophysical Research Communications*, **1994**, 203, 1069-75	3.4	23
30	Large, detergent-resistant complexes containing murine antigens Thy-1 and Ly-6 and protein tyrosine kinase p56lck. *European Journal of Immunology*, **1993**, 23, 825-31	6.1	89
29	Activation of human monocytes and granulocytes by monoclonal antibodies to glycosylphosphatidylinositol-anchored antigens. *European Journal of Immunology*, **1993**, 23, 2782-91	6.1	78
28	Cross-linking of CD59 and of other glycosyl phosphatidylinositol-anchored molecules on neutrophils triggers cell activation via tyrosine kinase. *European Journal of Immunology*, **1993**, 23, 2841-50	6.1	90
27	Genomic structure of the human CD53 gene. *Immunogenetics*, **1993**, 38, 272-9	3.2	12
26	The genes for CD37, CD53, and R2, all members of a novel gene family, are located on different chromosomes. *Immunogenetics*, **1993**, 37, 461-5	3.2	12
25	Czech science. *Nature*, **1992**, 359, 99-99	50.4	1
24	CD59 molecule: a second ligand for CD2 in T cell adhesion. *European Journal of Immunology*, **1992**, 22, 2943-7	6.1	83
23	A novel family of leucocyte surface antigens. *Trends in Immunology*, **1991**, 12, 287		1
22	The human leucocyte antigen CD48 (MEM-102) is closely related to the activation marker Blast-1. *Immunogenetics*, **1991**, 33, 108-12	3.2	16
21	GPI-anchored cell-surface molecules complexed to protein tyrosine kinases. *Science*, **1991**, 254, 1016-9	33.3	780
20	Novel structurally distinct family of leucocyte surface glycoproteins including CD9, CD37, CD53 and CD63. *FEBS Letters*, **1991**, 288, 1-4	3.8	113
19	The human leucocyte surface antigen CD53 is a protein structurally similar to the CD37 and MRC OX-44 antigens. *Immunogenetics*, **1990**, 32, 281-5	3.2	54
18	Human leucocyte surface glycoprotein CDw44 and lymphocyte homing receptor are identical molecules. *Immunogenetics*, **1989**, 29, 402-4	3.2	12
17	Structural relationship between the soluble and membrane-bound forms of human monocyte surface glycoprotein CD14. *Molecular Immunology*, **1989**, 26, 657-62	4.3	133
16	Characterization of a broadly expressed human leucocyte surface antigen MEM-43 anchored in membrane through phosphatidylinositol. *Molecular Immunology*, **1989**, 26, 153-61	4.3	124
15	Human monocyte activation induced by an anti-CD14 monoclonal antibody. *Immunology Letters*, **1988**, 19, 321-7	4.1	54
14	Monoclonal antibodies against human alpha-fetoprotein. Exploitation of an unusual calcium-dependent interaction with the antigen for analytical and preparative purposes. *Journal of Immunological Methods*, **1988**, 111, 67-73	2.5	22

13	Characterization of seven new monoclonal antibodies against human DR, DR + DP and DQ1 + DQ3 antigens. *Tissue Antigens*, **1986**, 28, 288-97		10
12	Biochemical characterization of a soluble form of the 53-kDa monocyte surface antigen. *European Journal of Immunology*, **1986**, 16, 1583-9	6.1	214
11	Qualitative and quantitative applications of affinity electrophoresis for the study of protein□gand interactions: A review. *Biomedical Applications*, **1986**, 376, 49-67		41
10	Simple polyacrylamide gel electrophoresis in continuous carbonate buffer system suitable for the analysis of ascitic fluids of hybridoma bearing mice. *Journal of Immunological Methods*, **1986**, 86, 103-5	2.5	6
9	Equilibrium in the protein-immobilized-ligand-soluble-ligand system: estimation of dissociation constants of protein-soluble-ligand complexes from binding-inhibition data. *Molecular Immunology*, **1985**, 22, 125-33	4.3	9
8	Murine hybridoma monoclonal antibodies against insulin: cross-reactivity with insulins of three species and blocking of insulin binding to its receptor. *Immunology Letters*, **1984**, 8, 279-83	4.1	9
7	Cross-reactivity between tubulin and denatured human serum albumin demonstrated by monoclonal antibody TU-01. *Immunology Letters*, **1984**, 8, 285-8	4.1	3
6	Nitrocellulose membrane as an antigen or antibody carrier for screening hybridoma cultures. *Journal of Immunological Methods*, **1983**, 62, 325-9	2.5	34
5	Affinity electrophoresis: new simple and general methods of preparation of affinity gels. *Analytical Biochemistry*, **1982**, 125, 358-69	3.1	13
4	Review: Affinity electrophoresis. *Analytical Biochemistry*, **1981**, 112, 1-8	3.1	57
3	Lentil lectin effectively induces allotransplantation tolerance in mice. *Nature*, **1980**, 284, 273-5	50.4	16
2	Some theoretical aspects of affinity electrophoresis. *Journal of Chromatography A*, **1979**, 178, 1-13	4.5	61
1	Affinity electrophoresis. *Trends in Biochemical Sciences*, **1979**, 4, N6-N7	10.3	13