Michael Veit

List of Publications by Year in Descending Order

102 papers	2,828 citations	32 h-index	50 g-index
108 ext. papers	3,334 ext. citations	4.8 avg, IF	5.47 L-index

#	Paper	IF	Citations
102	Structural and functional analysis of the roles of Influenza C virus membrane proteins in assembly and budding.. *Journal of Biological Chemistry*, **2022**, 101727	5.4	0
101	Attenuation of Getah virus by a single amino acid substitution at residue 253 of the E2 protein that might be part of a new heparan sulfate binding site on alphaviruses.. *Journal of Virology*, **2022**, jvi0175121	6.6	0
100	NS1-mediated upregulation of ZDHHC22 acyltransferase in influenza a virus infected cells. *Cellular Microbiology*, **2021**, 23, e13322	3.9	2
99	Palmitoylation of the envelope membrane proteins GP5 and M of porcine reproductive and respiratory syndrome virus is essential for virus growth. *PLoS Pathogens*, **2021**, 17, e1009554	7.6	4
98	S-Acylation of Proteins of Coronavirus and Influenza Virus: Conservation of Acylation Sites in Animal Viruses and DHHC Acyltransferases in Their Animal Reservoirs. *Pathogens*, **2021**, 10,	4.5	2
97	Surfactants - Compounds for inactivation of SARS-CoV-2 and other enveloped viruses. *Current Opinion in Colloid and Interface Science*, **2021**, 55, 101479	7.6	10
96	Emergence and adaptive evolution of influenza D virus. *Microbial Pathogenesis*, **2021**, 160, 105193	3.8	1
95	Influenza B, C and D Viruses (Orthomyxoviridae) **2021**, 561-574		6
94	Comparison of Severe Acute Respiratory Syndrome Coronavirus 2 Spike Protein Binding to ACE2 Receptors from Human, Pets, Farm Animals, and Putative Intermediate Hosts. *Journal of Virology*, **2020**, 94,	6.6	90
93	Genomic Epidemiology, Evolution, and Transmission Dynamics of Porcine Deltacoronavirus. *Molecular Biology and Evolution*, **2020**, 37, 2641-2654	8.3	36
92	COVID-19: Epidemiology, Evolution, and Cross-Disciplinary Perspectives. *Trends in Molecular Medicine*, **2020**, 26, 483-495	11.5	304
91	Adaption and parallel evolution of human-isolated H5 avian influenza viruses. *Journal of Infection*, **2020**, 80, 630-638	18.9	4
90	Photoactivable Cholesterol as a Tool to Study Interaction of Influenza Virus Hemagglutinin with Cholesterol. *Bio-protocol*, **2020**, 10, e3523	0.9	1
89	Hemagglutinin of Influenza A, but not of Influenza B and C viruses is acylated by ZDHHC2, 8, 15 and 20. *Biochemical Journal*, **2020**, 477, 285-303	3.8	11
88	Snapshot of the evolution and mutation patterns of SARS-CoV-2 **2020**,		8
87	Toward the identification of ZDHHC enzymes required for palmitoylation of viral protein as potential drug targets. *Expert Opinion on Drug Discovery*, **2020**, 15, 159-177	6.2	21
86	Emergence and adaptive evolution of Nipah virus. *Transboundary and Emerging Diseases*, **2020**, 67, 121-132	4.2	7

85	Amphipathic Helices of Cellular Proteins Can Replace the Helix in M2 of Influenza A Virus with Only Small Effects on Virus Replication. *Journal of Virology*, **2020**, 94,	6.6	4
84	Differential S-Acylation of Enveloped Viruses. *Protein and Peptide Letters*, **2019**, 26, 588-600	1.9	5
83	Cholesterol Binding to the Transmembrane Region of a Group 2 Hemagglutinin (HA) of Influenza Virus Is Essential for Virus Replication, Affecting both Virus Assembly and HA Fusion Activity. *Journal of Virology*, **2019**, 93,	6.6	17
82	Genetic Evolution and Molecular Selection of the HE Gene of Influenza C Virus. *Viruses*, **2019**, 11,	6.2	17
81	S-Acylation of Proteins. *Methods in Molecular Biology*, **2019**, 1934, 265-291	1.4	5
80	Mimicking the passage of avian influenza viruses through the gastrointestinal tract of chickens. *Veterinary Microbiology*, **2019**, 239, 108462	3.3	4
79	Interspecies Transmission, Genetic Diversity, and Evolutionary Dynamics of Pseudorabies Virus. *Journal of Infectious Diseases*, **2019**, 219, 1705-1715	7	54
78	Differences in signal peptide processing between GP3 glycoproteins of Arteriviridae. *Virology*, **2018**, 517, 69-76	3.6	4
77	Glycoprotein 3 of Porcine Reproductive and Respiratory Syndrome Virus Exhibits an Unusual Hairpin-Like Membrane Topology. *Journal of Virology*, **2018**, 92,	6.6	4
76	The complex co-translational processing of glycoprotein GP5 of type 1 porcine reproductive and respiratory syndrome virus. *Virus Research*, **2017**, 240, 112-120	6.4	4
75	Novel Influenza D virus: Epidemiology, pathology, evolution and biological characteristics. *Virulence*, **2017**, 8, 1580-1591	4.7	74
74	Influenza A virus nucleoprotein targets subnuclear structures. *Cellular Microbiology*, **2017**, 19, e12679	3.9	5
73	Hemagglutinin-esterase-fusion (HEF) protein of influenza C virus. *Protein and Cell*, **2016**, 7, 28-45	7.2	40
72	The role of stearate attachment to the hemagglutinin-esterase-fusion glycoprotein HEF of influenza C virus. *Cellular Microbiology*, **2016**, 18, 692-704	3.9	10
71	Modulation of cell surface transport and lipid raft localization by the cytoplasmic tail of the influenza virus hemagglutinin. *Cellular Microbiology*, **2016**, 18, 125-36	3.9	5
70	S-acylation of influenza virus proteins: Are enzymes for fatty acid attachment promising drug targets?. *Vaccine*, **2015**, 33, 7002-7	4.1	12
69	Two Cytoplasmic Acylation Sites and an Adjacent Hydrophobic Residue, but No Other Conserved Amino Acids in the Cytoplasmic Tail of HA from Influenza A Virus Are Crucial for Virus Replication. *Viruses*, **2015**, 7, 6458-75	6.2	13
68	A cholesterol consensus motif is required for efficient intracellular transport and raft association of a group 2 HA from influenza virus. *Biochemical Journal*, **2015**, 465, 305-14	3.8	17

67	A histidine residue of the influenza virus hemagglutinin controls the pH dependence of the conformational change mediating membrane fusion. *Journal of Virology*, **2014**, 88, 13189-200	6.6	28
66	Palmitoylation of the Alphacoronavirus TGEV spike protein S is essential for incorporation into virus-like particles but dispensable for S-M interaction. *Virology*, **2014**, 464-465, 397-405	3.6	17
65	The cholesterol-binding motif of the HIV-1 glycoprotein gp41 regulates lateral sorting and oligomerization. *Cellular Microbiology*, **2014**, 16, 1565-81	3.9	25
64	Acylation and cholesterol binding are not required for targeting of influenza A virus M2 protein to the hemagglutinin-defined budozone. *FEBS Letters*, **2014**, 588, 1031-6	3.8	16
63	Alteration of protein levels during influenza virus H1N1 infection in host cells: a proteomic survey of host and virus reveals differential dynamics. *PLoS ONE*, **2014**, 9, e94257	3.7	29
62	Membrane proteins of arterivirus particles: structure, topology, processing and function. *Virus Research*, **2014**, 194, 16-36	6.4	32
61	Site-specific S-acylation of influenza virus hemagglutinin: the location of the acylation site relative to the membrane border is the decisive factor for attachment of stearate. *Journal of Biological Chemistry*, **2014**, 289, 34978-89	5.4	32
60	Signal peptide cleavage from GP3 enabled by removal of adjacent glycosylation sites does not impair replication of equine arteritis virus in cell culture, but the hydrophobic C-terminus is essential. *Virus Research*, **2014**, 183, 107-11	6.4	6
59	eGFP-pHsens as a highly sensitive fluorophore for cellular pH determination by fluorescence lifetime imaging microscopy (FLIM). *Biochimica Et Biophysica Acta - Bioenergetics*, **2014**, 1837, 1581-93	4.6	23
58	Structural investigation of influenza virus hemagglutinin membrane-anchoring peptide. *Protein Engineering, Design and Selection*, **2013**, 26, 547-52	1.9	19
57	Mass spectrometry analysis of influenza virus reassortant clones does not reveal an influence of other viral proteins on S-acylation of hemagglutinin. *Archives of Virology*, **2013**, 158, 467-72	2.6	4
56	Lipid domain association of influenza virus proteins detected by dynamic fluorescence microscopy techniques. *Cellular Microbiology*, **2013**, 15, 179-89	3.9	17
55	Palmitoylation of influenza virus proteins. *Biochemical Society Transactions*, **2013**, 41, 50-5	5.1	38
54	Co-translational processing of glycoprotein 3 from equine arteritis virus: N-glycosylation adjacent to the signal peptide prevents cleavage. *Journal of Biological Chemistry*, **2013**, 288, 35396-405	5.4	11
53	Signal peptide cleavage from GP5 of PRRSV: a minor fraction of molecules retains the decoy epitope, a presumed molecular cause for viral persistence. *PLoS ONE*, **2013**, 8, e65548	3.7	39
52	Palmitoylation of virus proteins. *Biology of the Cell*, **2012**, 104, 493-515	3.5	58
51	Mutation of a raft-targeting signal in the transmembrane region retards transport of influenza virus hemagglutinin through the Golgi. *FEBS Letters*, **2012**, 586, 277-82	3.8	12
50	Folding and oligomerization of the gp2b/gp3/gp4 spike proteins of equine arteritis virus in vitro. *Viruses*, **2012**, 4, 414-23	6.2	3

49	Growth of influenza A virus is not impeded by simultaneous removal of the cholesterol-binding and acylation sites in the M2 protein. *Journal of General Virology*, **2012**, 93, 282-292	4.9	21
48	Linker and/or transmembrane regions of influenza A/Group-1, A/Group-2, and type B virus hemagglutinins are packed differently within trimers. *Biochimica Et Biophysica Acta - Biomembranes*, **2011**, 1808, 1843-54	3.8	34
47	Influenza virus hemagglutinin spike neck architectures and interaction with model enzymes evaluated by MALDI-TOF mass spectrometry and bioinformatics tools. *Virus Research*, **2011**, 160, 294-304	6.4	15
46	Intrinsic membrane association of the cytoplasmic tail of influenza virus M2 protein and lateral membrane sorting regulated by cholesterol binding and palmitoylation. *Biochemical Journal*, **2011**, 437, 389-97	3.8	46
45	Association of influenza virus proteins with membrane rafts. *Advances in Virology*, **2011**, 2011, 370606	1.9	64
44	Intrinsic cytoskeleton-dependent clustering of influenza virus M2 protein with hemagglutinin assessed by FLIM-FRET. *Journal of Virology*, **2010**, 84, 12445-9	6.6	28
43	Hemagglutinin of influenza virus partitions into the nonraft domain of model membranes. *Biophysical Journal*, **2010**, 99, 489-98	2.9	44
42	FLIM-FRET and FRAP reveal association of influenza virus haemagglutinin with membrane rafts. *Biochemical Journal*, **2010**, 425, 567-73	3.8	68
41	Characterization of the self-palmitoylation activity of the transport protein particle component Bet3. *Cellular and Molecular Life Sciences*, **2010**, 67, 2653-64	10.3	8
40	Viruses as vesicular carriers of the viral genome: a functional module perspective. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2010**, 1803, 507-19	4.9	7
39	Site-specific attachment of palmitate or stearate to cytoplasmic versus transmembrane cysteines is a common feature of viral spike proteins. *Virology*, **2010**, 398, 49-56	3.6	35
38	Lateral distribution of the transmembrane domain of influenza virus hemagglutinin revealed by time-resolved fluorescence imaging. *Journal of Biological Chemistry*, **2009**, 284, 15708-16	5.4	66
37	Myristoylation of the arterivirus E protein: the fatty acid modification is not essential for membrane association but contributes significantly to virus infectivity. *Journal of General Virology*, **2009**, 90, 2704-2712	4.9	14
36	The polybasic region is not essential for membrane binding of the matrix protein M1 of influenza virus. *Virology*, **2009**, 383, 150-5	3.6	35
35	Equine arteritis virus is delivered to an acidic compartment of host cells via clathrin-dependent endocytosis. *Virology*, **2008**, 377, 248-54	3.6	16
34	Electron cryomicroscopy reveals different F1+F2 protein States in intact parainfluenza virions. *Journal of Virology*, **2008**, 82, 3775-81	6.6	29
33	S acylation of the hemagglutinin of influenza viruses: mass spectrometry reveals site-specific attachment of stearic acid to a transmembrane cysteine. *Journal of Virology*, **2008**, 82, 9288-92	6.6	80
32	Characterization of equine arteritis virus particles and demonstration of their hemolytic activity. *Archives of Virology*, **2008**, 153, 351-6	2.6	3

31	Analysis of S-acylation of proteins. *Methods in Molecular Biology*, **2008**, 446, 163-82	1.4	19
30	The relevance of salt bridges for the stability of the influenza virus hemagglutinin. *FASEB Journal*, **2007**, 21, 995-1002	0.9	55
29	Unique self-palmitoylation activity of the transport protein particle component Bet3: a mechanism required for protein stability. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 12701-6	11.5	44
28	Palmitoylation of influenza virus proteins. *Berliner Und Munchener Tierarztliche Wochenschrift*, **2006** , 119, 112-22		8
27	Intracellular interaction between syntaxin and Munc 18-1 revealed by fluorescence resonance energy transfer. *Molecular Membrane Biology*, **2005**, 22, 401-10	3.4	5
26	The SNARE Ykt6 mediates protein palmitoylation during an early stage of homotypic vacuole fusion. *EMBO Journal*, **2004**, 23, 45-53	13	65
25	The human SNARE protein Ykt6 mediates its own palmitoylation at C-terminal cysteine residues. *Biochemical Journal*, **2004**, 384, 233-7	3.8	20
24	Biochemical characterization of the vacuolar palmitoyl acyltransferase. *FEBS Letters*, **2003**, 540, 101-5	3.8	10
23	Palmitoylation sites and processing of synaptotagmin I, the putative calcium sensor for neurosecretion. *FEBS Letters*, **2003**, 544, 57-62	3.8	26
22	Functional characterization of palmitoylated and nonacylated SNAP-25 purified from insect cells infected with recombinant baculovirus. *Molecular and Cellular Neurosciences*, **2003**, 23, 333-40	4.8	7
21	Analysis of S-acylation of proteins. *Methods in Molecular Biology*, **2002**, 194, 159-78	1.4	3
20	Enzymatic depalmitoylation of viral glycoproteins with acyl-protein thioesterase 1 in vitro. *Virology*, **2001**, 288, 89-95	3.6	32
19	Molecular cloning, expression and characterization of the Canis familiaris interleukin-4. *Cytokine*, **2001**, 16, 88-92	4	12
18	Palmitoylation of the 25-kDa synaptosomal protein (SNAP-25) in vitro occurs in the absence of an enzyme, but is stimulated by binding to syntaxin. *Biochemical Journal*, **2000**, 345, 145	3.8	26
17	Palmitoylation of the 25-kDa synaptosomal protein (SNAP-25) in vitro occurs in the absence of an enzyme, but is stimulated by binding to syntaxin. *Biochemical Journal*, **2000**, 345, 145-151	3.8	50
16	Synaptobrevin 2 is palmitoylated in synaptic vesicles prepared from adult, but not from embryonic brain. *Molecular and Cellular Neurosciences*, **2000**, 15, 408-16	4.8	43
15	Palmitoylation of rhodopsin with S-protein acyltransferase: enzyme catalyzed reaction versus autocatalytic acylation. *Lipids and Lipid Metabolism*, **1998**, 1394, 90-8		42
14	Membrane targeting via protein palmitoylation. *Methods in Molecular Biology*, **1998**, 88, 227-39	1.4	10

13	Multiple palmitoylation of synaptotagmin and the t-SNARE SNAP-25. *FEBS Letters*, **1996**, 385, 119-23	3.8	197
12	Deacylation of influenza virus hemagglutinin does not affect the kinetics of low pH induced membrane fusion. *Pflugers Archiv European Journal of Physiology*, **1996**, 431, R257-8	4.6	1
11	Cytoplasmic tail length influences fatty acid selection for acylation of viral glycoproteins. *Biochemical Journal*, **1996**, 318 (Pt 1), 163-72	3.8	50
10	Differential fatty acid selection during biosynthetic S-acylation of a transmembrane protein (HEF) and other proteins in insect cells (Sf9) and in mammalian cells (CV1). *Journal of Biological Chemistry*, **1996**, 271, 23607-10	5.4	23
9	Assessment of fusogenic properties of influenza virus hemagglutinin deacylated by site-directed mutagenesis and hydroxylamine treatment. *Virology*, **1995**, 210, 20-8	3.6	24
8	The alpha-subunits of G-proteins G12 and G13 are palmitoylated, but not amidically myristoylated. *FEBS Letters*, **1994**, 339, 160-4	3.8	59
7	Timing of palmitoylation of influenza virus hemagglutinin. *FEBS Letters*, **1993**, 336, 243-7	3.8	43
6	Retarded processing of influenza virus hemagglutinin in insect cells. *Virology*, **1991**, 180, 159-65	3.6	51
5	The hemagglutinating glycoproteins of influenza B and C viruses are acylated with different fatty acids. *Virology*, **1990**, 177, 807-11	3.6	42
4	Different palmitoylation of paramyxovirus glycoproteins. *Virology*, **1989**, 168, 173-6	3.6	33
3	Glycoprotein 3 of porcine reproductive and respiratory syndrome virus exhibits an unusual hairpin-like membrane topology		1
2	Cholesterol binding to the transmembrane region of a group 2 HA of Influenza virus is essential for virus replication affecting both virus assembly and HA fusion activity		1
1	Amphipathic helices of cellular proteins can replace the helix in M2 of Influenza A virus with only small effects on virus replication		1