

Jiřň- Vlach

List of Publications by Year in descending order

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papers

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docs citations

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799
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#	ARTICLE	IF	CITATIONS
1	Trio engagement via plasma membrane phospholipids and the myristoyl moiety governs HIV-1 matrix binding to bilayers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3525-3530.	7.1	69
2	The KN-93 Molecule Inhibits Calcium/Calmodulin-Dependent Protein Kinase II (CaMKII) Activity by Binding to Ca ²⁺ /CaM. <i>Journal of Molecular Biology</i> , 2019, 431, 1440-1459.	4.2	69
3	Solution Structure and Membrane Interaction of the Cytoplasmic Tail of HIV-1 gp41 Protein. <i>Structure</i> , 2017, 25, 1708-1718.e5.	3.3	42
4	Partially O-Alkylated Thiocalix[4]arenes: Synthesis, Molecular and Crystal Structures, Conformational Behavior. <i>Journal of Organic Chemistry</i> , 2007, 72, 7157-7166.	3.2	39
5	D-retrovirus morphogenetic switch driven by the targeting signal accessibility to Tctex-1 of dynein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 10565-10570.	7.1	39
6	Thermal isomerisation of 25,26,27,28-tetrapropoxy-2,8,14,20-tetrathiacalix[4]arene: isolation of all four conformers. <i>Perkin Transactions II RSC</i> , 2001, , 576-580.	1.1	38
7	The tuberculosis necrotizing toxin is an NAD ⁺ and NADP ⁺ glycohydrolase with distinct enzymatic properties. <i>Journal of Biological Chemistry</i> , 2019, 294, 3024-3036.	3.4	32
8	Structural and molecular determinants of HIV-1 Gag binding to the plasma membrane. <i>Frontiers in Microbiology</i> , 2015, 6, 232.	3.5	30
9	Solution Structure of Calmodulin Bound to the Binding Domain of the HIV-1 Matrix Protein. <i>Journal of Biological Chemistry</i> , 2014, 289, 8697-8705.	3.4	22
10	Structural and biophysical characterizations of HIV-1 matrix trimer binding to lipid nanodiscs shed light on virus assembly. <i>Journal of Biological Chemistry</i> , 2019, 294, 18600-18612.	3.4	21
11	Structural basis for targeting avian sarcoma virus Gag polyprotein to the plasma membrane for virus assembly. <i>Journal of Biological Chemistry</i> , 2018, 293, 18828-18840.	3.4	17
12	Pneumococci Can Become Virulent by Acquiring a New Capsule From Oral Streptococci. <i>Journal of Infectious Diseases</i> , 2020, 222, 372-380.	4.0	12
13	An atypical lipoteichoic acid from <i>Clostridium perfringens</i> elicits a broadly cross-reactive and protective immune response. <i>Journal of Biological Chemistry</i> , 2020, 295, 9513-9530.	3.4	12
14	Nonmyristoylated Matrix Protein from the Mason-Pfizer Monkey Virus Forms Oligomers. <i>Journal of Molecular Biology</i> , 2009, 390, 967-980.	4.2	10
15	The matrix domain of the Gag protein from avian sarcoma virus contains a PI(4,5)P ₂ -binding site that targets Gag to the cell periphery. <i>Journal of Biological Chemistry</i> , 2018, 293, 18841-18853.	3.4	10
16	Oligomerization of a Retroviral Matrix Protein Is Facilitated by Backbone Flexibility on Nanosecond Time Scale. <i>Journal of Physical Chemistry B</i> , 2011, 115, 2634-2644.	2.6	7
17	Letter to the Editor: Assignment of ¹ H, ¹³ C, and ¹⁵ N resonances of WT matrix protein and its R55F mutant from Mason-Pfizer monkey virus. <i>Journal of Biomolecular NMR</i> , 2005, 31, 381-382.	2.8	5
18	Derepression of SaPI _{bov1} Is Independent of ¹ H-NM1 Type 2 dUTPase Activity and Is Inhibited by dUTP and dUMP. <i>Journal of Molecular Biology</i> , 2017, 429, 1570-1580.	4.2	5

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19	Identification of the Calmodulin-Binding Domains of Fas Death Receptor. PLoS ONE, 2016, 11, e0146493.	2.5	3
20	HIV: a vicTIM. Trends in Microbiology, 2014, 22, 603-604.	7.7	2
21	A Common Food Glycan, Pectin, Shares an Antigen with Streptococcus pneumoniae Capsule. MSphere, 2020, 5, .	2.9	2