

# Vasily Rybakin

## List of Publications by Year in descending order

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37  
papers

1,135  
citations

516710

16  
h-index

414414

32  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1914  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coronin proteins as multifunctional regulators of the cytoskeleton and membrane trafficking. <i>BioEssays</i> , 2005, 27, 625-632.	2.5	130
2	TCR Signal Strength and T Cell Development. <i>Annual Review of Cell and Developmental Biology</i> , 2016, 32, 327-348.	9.4	127
3	Themis controls thymocyte selection through regulation of T cell antigen receptor-mediated signaling. <i>Nature Immunology</i> , 2009, 10, 848-856.	14.5	122
4	Themis sets the signal threshold for positive and negative selection in T-cell development. <i>Nature</i> , 2013, 504, 441-445.	27.8	99
5	Fine-tuning T cell receptor signaling to control T cell development. <i>Trends in Immunology</i> , 2014, 35, 311-318.	6.8	67
6	Coronin 7, the mammalian POD-1 homologue, localizes to the Golgi apparatus. <i>FEBS Letters</i> , 2004, 573, 161-167.	2.8	52
7	Protein Kinase C $\delta$ Is Required for T Cell Activation and Homeostatic Proliferation. <i>Science Signaling</i> , 2011, 4, ra84.	3.6	50
8	Cell Type-Specific Regulation of Immunological Synapse Dynamics by B7 Ligand Recognition. <i>Frontiers in Immunology</i> , 2016, 7, 24.	4.8	44
9	Synapse type-specific proteomic dissection identifies IgSF8 as a hippocampal CA3 microcircuit organizer. <i>Nature Communications</i> , 2020, 11, 5171.	12.8	35
10	T cell receptor and cytokine signal integration in CD8+ T cells is mediated by the protein Themis. <i>Nature Immunology</i> , 2020, 21, 186-198.	14.5	34
11	Crn7 Interacts with AP-1 and Is Required for the Maintenance of Golgi Morphology and Protein Export from the Golgi. <i>Journal of Biological Chemistry</i> , 2006, 281, 31070-31078.	3.4	33
12	Coreceptor affinity for MHC defines peptide specificity requirements for TCR interaction with coagonist peptide-MHC. <i>Journal of Experimental Medicine</i> , 2013, 210, 1807-1821.	8.5	32
13	Modernization of Golgi staining techniques for high-resolution, 3-dimensional imaging of individual neurons. <i>Scientific Reports</i> , 2019, 9, 130.	3.3	32
14	Initiation of TCR Phosphorylation and Signal Transduction. <i>Frontiers in Immunology</i> , 2011, 2, 72.	4.8	24
15	Themis-associated phosphatase activity controls signaling in T cell development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E11331-E11340.	7.1	21
16	Neutrophils and Activated Macrophages Control Mucosal Immunity by Proteolytic Cleavage of Antileukoproteinase. <i>Frontiers in Immunology</i> , 2018, 9, 1154.	4.8	21
17	MMP-9/Gelatinase B Degrades Immune Complexes in Systemic Lupus Erythematosus. <i>Frontiers in Immunology</i> , 2019, 10, 538.	4.8	19
18	CRF and urocortin differentially modulate GluR2 expression and distribution in parallel fiber-Purkinje cell synapses. <i>Molecular and Cellular Neurosciences</i> , 2005, 30, 513-522.	2.2	16

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19	Molecular mechanism underlying the association of Coronin-7 with Golgi membranes. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 2419-2430.	5.4	16
20	Gelatinase B/Matrix Metalloproteinase-9 as Innate Immune Effector Molecule in Achalasia. <i>Clinical and Translational Gastroenterology</i> , 2018, 9, e208.	2.5	16
21	Development of a screening strategy for new modulators of T cell receptor signaling and T cell activation. <i>Scientific Reports</i> , 2018, 8, 10046.	3.3	15
22	Negative Selection Assay Based on Stimulation of T Cell Receptor Transgenic Thymocytes with Peptide-MHC Tetramers. <i>PLoS ONE</i> , 2012, 7, e43191.	2.5	14
23	The dynamic developmental localization of the full-length corticotropin-releasing factor receptor type 2 in rat cerebellum. <i>European Journal of Neuroscience</i> , 2006, 23, 3217-3224.	2.6	13
24	CD8 $\alpha$ and $\beta$ isotypes are equally recruited to the immunological synapse through their ability to bind to MHC class I. <i>EMBO Reports</i> , 2011, 12, 1251-1256.	4.5	13
25	Corticotropin-releasing factor induces functional and structural synaptic remodelling in acute stress. <i>Translational Psychiatry</i> , 2021, 11, 378.	4.8	11
26	A Dual Inhibitor of Cdc7/Cdk9 Potently Suppresses T Cell Activation. <i>Frontiers in Immunology</i> , 2019, 10, 1718.	4.8	10
27	Themis regulates metabolic signaling and effector functions in CD4+ T cells by controlling NFAT nuclear translocation. <i>Cellular and Molecular Immunology</i> , 2021, 18, 2249-2261.	10.5	10
28	Allelic Exclusion of TCR $\beta$ -Chains upon Severe Restriction of $V\beta$ Repertoire. <i>PLoS ONE</i> , 2014, 9, e114320.	2.5	10
29	Gelatinase B/matrix metalloproteinase-9 and other neutrophil proteases switch off interleukin-2 activity. <i>Biochemical Journal</i> , 2019, 476, 2191-2208.	3.7	8
30	Identification of Mediators of T-cell Receptor Signaling via the Screening of Chemical Inhibitor Libraries. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	8
31	Propeptide glycosylation and galectin-3 binding decrease proteolytic activation of human pro-MMP-9/progelatinase B. <i>FEBS Journal</i> , 2019, 286, 930-945.	4.7	7
32	Expansion of an Unusual Virtual Memory CD8+ Subpopulation Bearing $V\beta$ 3.2 TCR in Themis-Deficient Mice. <i>Frontiers in Immunology</i> , 2021, 12, 644483.	4.8	5
33	Role of Mammalian Coronin 7 in the Biosynthetic Pathway. <i>Sub-Cellular Biochemistry</i> , 2008, 48, 110-115.	2.4	5
34	Visualizing Intermolecular Interactions in T Cells. <i>Current Topics in Microbiology and Immunology</i> , 2009, 334, 31-46.	1.1	5
35	Gold-substituted Silver-intensified Peroxidase Immunolabeling for FIB-SEM Imaging. <i>Journal of Histochemistry and Cytochemistry</i> , 2019, 67, 351-360.	2.5	4
36	Internal Disulfide Bonding and Glycosylation of Interleukin-7 Protect Against Proteolytic Inactivation by Neutrophil Metalloproteinases and Serine Proteases. <i>Frontiers in Immunology</i> , 2021, 12, 701739.	4.8	4

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37	Thymocyte development in the absence of matrix metalloproteinase-9/gelatinase B. Scientific Reports, 2016, 6, 29852.	3.3	3