

Vladimir V Rogov

List of Publications by Year in descending order

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42
papers

10,101
citations

201674

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265206

42
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44
all docs

44
docs citations

44
times ranked

19537
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Phosphorylation of the Autophagy Receptor Optineurin Restricts <i>Salmonella</i> Growth. <i>Science</i> , 2011, 333, 228-233.	12.6	1,125
3	Nix is a selective autophagy receptor for mitochondrial clearance. <i>EMBO Reports</i> , 2010, 11, 45-51.	4.5	1,045
4	Interactions between Autophagy Receptors and Ubiquitin-like Proteins Form the Molecular Basis for Selective Autophagy. <i>Molecular Cell</i> , 2014, 53, 167-178.	9.7	849
5	A Diversity of Selective Autophagy Receptors Determines the Specificity of the Autophagy Pathway. <i>Molecular Cell</i> , 2019, 76, 268-285.	9.7	353
6	Phosphorylation of the mitochondrial autophagy receptor Nix enhances its interaction with LC3 proteins. <i>Scientific Reports</i> , 2017, 7, 1131.	3.3	203
7	HUWE1 E3 ligase promotes PINK1/PARKIN-independent mitophagy by regulating AMBRA1 activation via IKK $\hat{\pm}$. <i>Nature Communications</i> , 2018, 9, 3755.	12.8	198
8	E3-Independent Monoubiquitination of Ubiquitin-Binding Proteins. <i>Molecular Cell</i> , 2007, 26, 891-898.	9.7	132
9	Structural and functional analysis of the GABARAP interaction motif (GIM). <i>EMBO Reports</i> , 2017, 18, 1382-1396.	4.5	129
10	Structural basis for the selectivity of the external thioesterase of the surfactin synthetase. <i>Nature</i> , 2008, 454, 907-911.	27.8	112
11	TECPR2 Cooperates with LC3C to Regulate COPII-Dependent ER Export. <i>Molecular Cell</i> , 2015, 60, 89-104.	9.7	111
12	Involvement of the ubiquitin-like domain of TBK1/IKK-i kinases in regulation of IFN-inducible genes. <i>EMBO Journal</i> , 2007, 26, 3451-3462.	7.8	108
13	Structural basis for phosphorylation-triggered autophagic clearance of <i>Salmonella</i> . <i>Biochemical Journal</i> , 2013, 454, 459-466.	3.7	92
14	Regulation of Phosphoribosyl-Linked Serine Ubiquitination by Deubiquitinases DupA and DupB. <i>Molecular Cell</i> , 2020, 77, 164-179.e6.	9.7	91
15	Characterization of the Interaction of GABARAPL-1 with the LIR Motif of NBR1. <i>Journal of Molecular Biology</i> , 2011, 410, 477-487.	4.2	86
16	CUL3-KBTBD6/KBTBD7 Ubiquitin Ligase Cooperates with GABARAP Proteins to Spatially Restrict TIAM1-RAC1 Signaling. <i>Molecular Cell</i> , 2015, 57, 995-1010.	9.7	74
17	Structural and Functional Analysis of a Novel Interaction Motif within UFM1-activating Enzyme 5 (UBA5) Required for Binding to Ubiquitin-like Proteins and Ufmylation. <i>Journal of Biological Chemistry</i> , 2016, 291, 9025-9041.	3.4	69
18	Selective autophagy maintains centrosome integrity and accurate mitosis by turnover of centriolar satellites. <i>Nature Communications</i> , 2019, 10, 4176.	12.8	61

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19	Atg8-Family Proteins' Structural Features and Molecular Interactions in Autophagy and Beyond. <i>Cells</i> , 2020, 9, 2008.	4.1	57
20	Selective Autophagy Receptors in Neuronal Health and Disease. <i>Journal of Molecular Biology</i> , 2020, 432, 2483-2509.	4.2	54
21	Fluorescence-based ATG8 sensors monitor localization and function of LC3/GABARAP proteins. <i>EMBO Journal</i> , 2017, 36, 549-564.	7.8	49
22	An atypical LIR motif within UBA5 (ubiquitin like modifier activating enzyme 5) interacts with GABARAP proteins and mediates membrane localization of UBA5. <i>Autophagy</i> , 2020, 16, 256-270.	9.1	41
23	A Universal Expression Tag for Structural and Functional Studies of Proteins. <i>ChemBioChem</i> , 2012, 13, 959-963.	2.6	38
24	A Disulfide Bridge Network within the Soluble Periplasmic Domain Determines Structure and Function of the Outer Membrane Protein RCSF. <i>Journal of Biological Chemistry</i> , 2011, 286, 18775-18783.	3.4	36
25	Ubiquitination in the ERAD Process. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5369.	4.1	36
26	The CUE Domain of Cue1 Aligns Growing Ubiquitin Chains with Ubc7 for Rapid Elongation. <i>Molecular Cell</i> , 2016, 62, 918-928.	9.7	34
27	Improved pulse sequences for sequence specific assignment of aromatic proton resonances in proteins. <i>Journal of Biomolecular NMR</i> , 2007, 37, 205-224.	2.8	29
28	Site-specific inhibition of the small ubiquitin-like modifier (SUMO)-conjugating enzyme Ubc9 selectively impairs SUMO chain formation. <i>Journal of Biological Chemistry</i> , 2017, 292, 15340-15351.	3.4	28
29	Demonstrating Ligandability of the LC3A and LC3B Adapter Interface. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 3720-3746.	6.4	22
30	Structure and Biophysical Characterization of the S-Adenosylmethionine-dependent O-Methyltransferase PaMTH1, a Putative Enzyme Accumulating during Senescence of <i>Podospira anserina</i> . <i>Journal of Biological Chemistry</i> , 2015, 290, 16415-16430.	3.4	20
31	Peak picking NMR spectral data using non-negative matrix factorization. <i>BMC Bioinformatics</i> , 2014, 15, 46.	2.6	17
32	Chain Assembly and Disassembly Processes Differently Affect the Conformational Space of Ubiquitin Chains. <i>Structure</i> , 2018, 26, 249-258.e4.	3.3	16
33	Structural Insights into Rcs Phosphotransfer: The Newly Identified RcsD-ABL Domain Enhances Interaction with the Response Regulator RcsB. <i>Structure</i> , 2011, 19, 577-587.	3.3	14
34	Oxygen-dependent asparagine hydroxylation of the ubiquitin-associated (UBA) domain in Cezanne regulates ubiquitin binding. <i>Journal of Biological Chemistry</i> , 2020, 295, 2160-2174.	3.4	13
35	Characterization of a natural variant of human NDP52 and its functional consequences on mitophagy. <i>Cell Death and Differentiation</i> , 2021, 28, 2499-2516.	11.2	12
36	Ligand binding to 2'-deoxyguanosine sensing riboswitch in metabolic context. <i>Nucleic Acids Research</i> , 2017, 45, gkx016.	14.5	9

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37	Structural Characterization of the Interaction of the Fibroblast Growth Factor Receptor with a Small Molecule Allosteric Inhibitor. <i>Chemistry - A European Journal</i> , 2018, 24, 7861-7865.	3.3	8
38	A Concerted Action of UBA5 C-Terminal Unstructured Regions Is Important for Transfer of Activated UFM1 to UFC1. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7390.	4.1	7
39	Structural investigation of glycan recognition by the ERAD quality control lectin Yos9. <i>Journal of Biomolecular NMR</i> , 2018, 72, 1-10.	2.8	5
40	Modulation of the Rcs-mediated signal transfer by conformational flexibility. <i>Biochemical Society Transactions</i> , 2008, 36, 1427-1432.	3.4	3
41	Fast Automated NMR Spectroscopy of Short-Lived Biological Samples. <i>ChemBioChem</i> , 2012, 13, 964-967.	2.6	2
42	Selective Autophagy. , 2014, , 59-88.		2