

Johannes van den Boom

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

615
citations

1163117

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1058476

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all docs

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docs citations

15
times ranked

1093
citing authors

#	ARTICLE	IF	CITATIONS
1	VCP/p97-Mediated Unfolding as a Principle in Protein Homeostasis and Signaling. <i>Molecular Cell</i> , 2018, 69, 182-194.	9.7	288
2	VCP/p97 Extracts Sterically Trapped Ku70/80 Rings from DNA in Double-Strand Break Repair. <i>Molecular Cell</i> , 2016, 64, 189-198.	9.7	91
3	Ubiquitin-Independent Disassembly by a p97 AAA-ATPase Complex Drives PP1 Holoenzyme Formation. <i>Molecular Cell</i> , 2018, 72, 766-777.e6.	9.7	62
4	3â€²-Phosphoadenosine 5â€²-Phosphosulfate (PAPS) Synthases, Naturally Fragile Enzymes Specifically Stabilized by Nucleotide Binding. <i>Journal of Biological Chemistry</i> , 2012, 287, 17645-17655.	3.4	37
5	Human DHEA sulfation requires direct interaction between PAPS synthase 2 and DHEA sulfotransferase SULT2A1. <i>Journal of Biological Chemistry</i> , 2018, 293, 9724-9735.	3.4	29
6	A Nonâ€Competitive Inhibitor of VCP/p97 and VPS4 Reveals Conserved Allosteric Circuits in Type I and II AAA ATPases. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1576-1580.	13.8	23
7	Protein Phosphatase-1 Complex Disassembly by p97 is Initiated through Multivalent Recognition of Catalytic and Regulatory Subunits by the p97 SEP-domain Adapters. <i>Journal of Molecular Biology</i> , 2020, 432, 6061-6074.	4.2	20
8	Targeted substrate loop insertion by VCP/p97 during PP1 complex disassembly. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 964-971.	8.2	16
9	Ubiquitin-directed AAA+ ATPase p97/VCP unfolds stable proteins crosslinked to DNA for proteolysis by SPRTN. <i>Journal of Biological Chemistry</i> , 2022, 298, 101976.	3.4	13
10	Structural Model of the Bilirubin Translocase Transmembrane Domain Supported by NMR and FRET Data. <i>PLoS ONE</i> , 2015, 10, e0135455.	2.5	8
11	Structural Characterization of the Loop at the Alpha-Subunit C-Terminus of the Mixed Lineage Leukemia Protein Activating Protease Taspase1. <i>PLoS ONE</i> , 2016, 11, e0151431.	2.5	8
12	The other side of the corona: nanoparticles inhibit the protease taspase1 in a size-dependent manner. <i>Nanoscale</i> , 2020, 12, 19093-19103.	5.6	7
13	Structure of the PUB Domain from Ubiquitin Regulatory X Domain Protein 1 (UBXD1) and Its Interaction with the p97 AAA+ ATPase. <i>Biomolecules</i> , 2019, 9, 876.	4.0	5
14	The chaperone Lhs1 contributes to the virulence of the fish-pathogenic oomycete <i>Aphanomyces invadans</i> . <i>Fungal Biology</i> , 2020, 124, 1024-1031.	2.5	5