

Jirka Peschek

List of Publications by Citations

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19
papers

846
citations

13
h-index

26
g-index

26
ext. papers

997
ext. citations

7.8
avg, IF

3.78
L-index

#	Paper	IF	Citations
19	Regulated structural transitions unleash the chaperone activity of B-crystallin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, E3780-9	11.5	126
18	Multiple molecular architectures of the eye lens chaperone B-crystallin elucidated by a triple hybrid approach. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 20491-6	11.5	118
17	Methionine oxidation activates a transcription factor in response to oxidative stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 9493-8	11.5	111
16	The eye lens chaperone alpha-crystallin forms defined globular assemblies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 13272-7	11.5	102
15	The chaperone B-crystallin uses different interfaces to capture an amorphous and an amyloid client. <i>Nature Structural and Molecular Biology</i> , 2015 , 22, 898-905	17.6	99
14	Structure and function of B-crystallins: Traversing from in vitro to in vivo. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016 , 1860, 149-66	4	66
13	High-resolution structures of the IgM Fc domains reveal principles of its hexamer formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 10183-8	11.5	57
12	The structural analysis of shark IgNAR antibodies reveals evolutionary principles of immunoglobulins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 8155-60	11.5	49
11	A conformational RNA zipper promotes intron ejection during non-conventional XBP1 mRNA splicing. <i>EMBO Reports</i> , 2015 , 16, 1688-98	6.5	25
10	The regulatory domain stabilizes the p53 tetramer by intersubunit contacts with the DNA binding domain. <i>Journal of Molecular Biology</i> , 2013 , 425, 144-55	6.5	18
9	Role of cysteines in the stability and DNA-binding activity of the hypochlorite-specific transcription factor HypT. <i>PLoS ONE</i> , 2013 , 8, e75683	3.7	18
8	A Stable Mutant Predisposes Antibody Domains to Amyloid Formation through Specific Non-Native Interactions. <i>Journal of Molecular Biology</i> , 2016 , 428, 1315-1332	6.5	17
7	tRNA ligase structure reveals kinetic competition between non-conventional mRNA splicing and mRNA decay. <i>ELife</i> , 2019 , 8,	8.9	13
6	Engineering ER-stress dependent non-conventional mRNA splicing. <i>ELife</i> , 2018 , 7,	8.9	12
5	Imbalances in the eye lens proteome are linked to cataract formation. <i>Nature Structural and Molecular Biology</i> , 2021 , 28, 143-151	17.6	11
4	Protomer alignment modulates specificity of RNA substrate recognition by Ire1. <i>ELife</i> , 2021 , 10,	8.9	3
3	RNA Cleavage Assays to Characterize IRE1-dependent RNA Decay. <i>Bio-protocol</i> , 2019 , 9, e3307	0.9	1

- 2 Regulating ER Protein Folding Homeostasis By Distinctively Processing mRNAs. *FASEB Journal*, **2018**, 32, 653.9 0.9
- 1 Mechanismen des nicht konventionellen RNA-Spleißens. *BioSpektrum*, **2021**, 27, 233-236 0.1