Jirka Peschek

List of Publications by Year in Descending Order

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	Protomer alignment modulates specificity of RNA substrate recognition by Ire1. *ELife*, **2021**, 10,	8.9	3
18	Mechanismen des nicht konventionellen RNA-Spleißens. *BioSpektrum*, **2021**, 27, 233-236	0.1	
17	Imbalances in the eye lens proteome are linked to cataract formation. *Nature Structural and Molecular Biology*, **2021**, 28, 143-151	17.6	11
16	RNA Cleavage Assays to Characterize IRE1-dependent RNA Decay. *Bio-protocol*, **2019**, 9, e3307	0.9	1
15	tRNA ligase structure reveals kinetic competition between non-conventional mRNA splicing and mRNA decay. *ELife*, **2019**, 8,	8.9	13
14	Engineering ER-stress dependent non-conventional mRNA splicing. *ELife*, **2018**, 7,	8.9	12
13	Regulating ER Protein Folding Homeostasis By Distinctively Processing mRNAs. *FASEB Journal*, **2018**, 32, 653.9	0.9	
12	Structure and function of α-crystallins: Traversing from in vitro to in vivo. *Biochimica Et Biophysica Acta - General Subjects*, **2016**, 1860, 149-66	4	66
11	A Stable Mutant Predisposes Antibody Domains to Amyloid Formation through Specific Non-Native Interactions. *Journal of Molecular Biology*, **2016**, 428, 1315-1332	6.5	17
10	The chaperone αB-crystallin uses different interfaces to capture an amorphous and an amyloid client. *Nature Structural and Molecular Biology*, **2015**, 22, 898-905	17.6	99
9	A conformational RNA zipper promotes intron ejection during non-conventional XBP1 mRNA splicing. *EMBO Reports*, **2015**, 16, 1688-98	6.5	25
8	The structural analysis of shark IgNAR antibodies reveals evolutionary principles of immunoglobulins. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 8155-60	11.5	49
7	The regulatory domain stabilizes the p53 tetramer by intersubunit contacts with the DNA binding domain. *Journal of Molecular Biology*, **2013**, 425, 144-55	6.5	18
6	High-resolution structures of the IgM Fc domains reveal principles of its hexamer formation. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 10183-8	11.5	57
5	Regulated structural transitions unleash the chaperone activity of αB-crystallin. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E3780-9	11.5	126
4	Methionine oxidation activates a transcription factor in response to oxidative stress. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 9493-8	11.5	111
3	Role of cysteines in the stability and DNA-binding activity of the hypochlorite-specific transcription factor HypT. *PLoS ONE*, **2013**, 8, e75683	3.7	18

2	Multiple molecular architectures of the eye lens chaperone **B**-crystallin elucidated by a triple hybrid approach. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 20491-6	11.5	118
1	The eye lens chaperone alpha-crystallin forms defined globular assemblies. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 13272-7	11.5	102