Jure Borisek

List of Publications by Year in Descending Order

24 papers	171 citations	9 h-index	12 g-index
27 ext. papers	323 ext. citations	8.1 avg, IF	3.67 L-index

#	Paper	IF	Citations
24	An oomycete NLP cytolysin forms transient small pores in lipid membranes.. *Science Advances*, **2022**, 8, eabj9406	14.3	1
23	Molecular Basis of SARS-CoV-2 Nsp1-Induced Immune Translational Shutdown as Revealed by All-Atom Simulations. *Journal of Physical Chemistry Letters*, **2021**, 12, 11745-11750	6.4	1
22	Senescent cells as promising targets to tackle age-related diseases. *Ageing Research Reviews*, **2021**, 66, 101251	12	9
21	An Expanded Two-Zn2+-Ion Motif Orchestrates Pre-mRNA Maturation in the 3?-End Processing Endonuclease Machinery. *ACS Catalysis*, **2021**, 11, 4319-4326	13.1	3
20	Nep1-like proteins as a target for plant pathogen control. *PLoS Pathogens*, **2021**, 17, e1009477	7.6	2
19	Computing Metal-Binding Proteins for Therapeutic Benefit. *ChemMedChem*, **2021**, 16, 2034-2049	3.7	0
18	Allosteric Cross-Talk among Spike Ţ Receptor-Binding Domain Mutations of the SARS-CoV-2 South African Variant Triggers an Effective Hijacking of Human Cell Receptor. *Journal of Physical Chemistry Letters*, **2021**, 12, 5987-5993	6.4	9
17	All-Atom Simulations Reveal a Key Interaction Network in the HLA-E/NKG2A/CD94 Immune Complex Fine-Tuned by the Nonameric Peptide. *Journal of Chemical Information and Modeling*, **2021**, 61, 3593-3603	6.1	0
16	Atomic-Level Mechanism of Pre-mRNA Splicing in Health and Disease. *Accounts of Chemical Research*, **2021**, 54, 144-154	24.3	4
15	Domain sliding of two Staphylococcus aureus N-acetylglucosaminidases enables their substrate-binding prior to its catalysis. *Communications Biology*, **2020**, 3, 178	6.7	4
14	All-Atom Simulations Decrypt the Molecular Terms of RNA Catalysis in the Exon-Ligation Step of the Spliceosome. *ACS Catalysis*, **2020**, 10, 5328-5334	13.1	12
13	Decrypting the Information Exchange Pathways across the Spliceosome Machinery. *Journal of the American Chemical Society*, **2020**, 142, 8403-8411	16.4	13
12	Peptide Inhibitors of Bacterial Protein Synthesis with Broad Spectrum and SbmA-Independent Bactericidal Activity against Clinical Pathogens. *Journal of Medicinal Chemistry*, **2020**, 63, 9590-9602	8.3	11
11	Exploiting Cryo-EM Structural Information and All-Atom Simulations To Decrypt the Molecular Mechanism of Splicing Modulators. *Journal of Chemical Information and Modeling*, **2020**, 60, 2510-2521	6.1	9
10	Molecular basis for functional diversity among microbial Nep1-like proteins. *PLoS Pathogens*, **2019**, 15, e1007951	7.6	10
9	Disclosing the Impact of Carcinogenic SF3b Mutations on Pre-mRNA Recognition Via All-Atom Simulations. *Biomolecules*, **2019**, 9,	5.9	10
8	A Water-Assisted Catalytic Mechanism in Glycoside Hydrolases Demonstrated on the Staphylococcus aureus Autolysin E. *ACS Catalysis*, **2018**, 8, 4334-4345	13.1	11

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7	Discovery of (phenylureido)piperidinyl benzamides as prospective inhibitors of bacterial autolysin E from Staphylococcus aureus. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2018**, 33, 1239-1247	5.6	3
6	The CWB2 Cell Wall-Anchoring Module Is Revealed by the Crystal Structures of the Clostridium difficile Cell Wall Proteins Cwp8 and Cwp6. *Structure*, **2017**, 25, 514-521	5.2	23
5	The Comparison of Docking Search Algorithms and Scoring Functions **2017**, 820-849		
4	Comparison of in silico tools for binding site prediction applied for structure-based design of autolysin inhibitors. *SAR and QSAR in Environmental Research*, **2016**, 27, 573-87	3.5	4
3	The Comparison of Docking Search Algorithms and Scoring Functions. *Advances in Medical Technologies and Clinical Practice Book Series*, **2016**, 99-127	0.3	4
2	Development of N-(Functionalized benzoyl)-homocycloleucyl-glycinonitriles as Potent Cathepsin K Inhibitors. *Journal of Medicinal Chemistry*, **2015**, 58, 6928-37	8.3	19
1	Mechanistic interpretation of artificial neural network-based QSAR model for prediction of cathepsin K inhibition potency. *Journal of Chemometrics*, **2014**, 28, 272-281	1.6	9