

# Markus Wiederstein

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4669826/publications.pdf>

Version: 2024-02-01

22  
papers

4,926  
citations

516710

16  
h-index

794594

19  
g-index

23  
all docs

23  
docs citations

23  
times ranked

7909  
citing authors

#	ARTICLE	IF	CITATIONS
1	ProSA-web: interactive web service for the recognition of errors in three-dimensional structures of proteins. <i>Nucleic Acids Research</i> , 2007, 35, W407-W410.	14.5	4,244
2	A note on difficult structure alignment problems. <i>Bioinformatics</i> , 2008, 24, 426-427.	4.1	114
3	Detection of Spatial Correlations in Protein Structures and Molecular Complexes. <i>Structure</i> , 2012, 20, 718-728.	3.3	65
4	Assessment of the CASP4 fold recognition category. <i>Proteins: Structure, Function and Bioinformatics</i> , 2001, 45, 55-67.	2.6	61
5	Protein Sequence Randomization: Efficient Estimation of Protein Stability Using Knowledge-based Potentials. <i>Journal of Molecular Biology</i> , 2005, 345, 1199-1212.	4.2	57
6	Nanoparticle-allergen interactions mediate human allergic responses: protein corona characterization and cellular responses. <i>Particle and Fibre Toxicology</i> , 2015, 13, 3.	6.2	52
7	Structure-Based Characterization of Multiprotein Complexes. <i>Structure</i> , 2014, 22, 1063-1070.	3.3	48
8	Characterization of novel proteins based on known protein structures 1 1Edited by R. Huber. <i>Journal of Molecular Biology</i> , 2000, 296, 1139-1152.	4.2	43
9	Sustained performance of knowledge-based potentials in fold recognition. <i>Proteins: Structure, Function and Bioinformatics</i> , 1999, 37, 112-120.	2.6	42
10	Friend or Foe: Lipid Droplets as Organelles for Protein and Lipid Storage in Cellular Stress Response, Aging and Disease. <i>Molecules</i> , 2020, 25, 5053.	3.8	39
11	COPS—a novel workbench for explorations in fold space. <i>Nucleic Acids Research</i> , 2009, 37, W539-W544.	14.5	25
12	Comprehensive analysis of alterations in the miRNome in response to photodynamic treatment. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 120, 74-81.	3.8	25
13	Synergistic cross-talk of hedgehog and interleukin-6 signaling drives growth of basal cell carcinoma. <i>International Journal of Cancer</i> , 2018, 143, 2943-2954.	5.1	23
14	Retinoic acid-loading of the major birch pollen allergen Bet v 1 may improve specific allergen immunotherapy: In silico, in vitro and in vivo data in BALB/c mice. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 2073-2077.	5.7	23
15	TopMatch-web: pairwise matching of large assemblies of protein and nucleic acid chains in 3D. <i>Nucleic Acids Research</i> , 2020, 48, W31-W35.	14.5	19
16	QSCOP—SCOP quantified by structural relationships. <i>Bioinformatics</i> , 2007, 23, 513-514.	4.1	18
17	A discrete view on fold space. <i>Bioinformatics</i> , 2008, 24, 870-871.	4.1	16
18	Bet v 1 from birch pollen is a hypoallergen with vitamin D3 in the pocket. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 3801-3804.	5.7	8

#	ARTICLE	IF	CITATIONS
19	Effective Techniques for Protein Structure Mining. <i>Methods in Molecular Biology</i> , 2011, 857, 33-54.	0.9	3
20	Directed in silico Mutagenesis. , 2005, , 153-175.		1
21	Protein Structure Analysis and Prediction with Statistical Scoring Functions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8665.	4.1	0
22	Validation and classification of protein structures. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2005, 61, c42-c42.	0.3	0