

Scott Horowitz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2944564/publications.pdf>

Version: 2024-02-01

26
papers

1,212
citations

687363

13
h-index

580821

25
g-index

27
all docs

27
docs citations

27
times ranked

1531
citing authors

#	ARTICLE	IF	CITATIONS
1	Chaperona: linking the ancient RNA and protein worlds. <i>RNA Biology</i> , 2021, 18, 16-23.	3.1	9
2	DNA Facilitates Oligomerization and Prevents Aggregation via DNA Networks. <i>Biophysical Journal</i> , 2020, 118, 162-171.	0.5	13
3	Introducing Foldit Education Mode. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 769-770.	8.2	15
4	Macromolecular modeling and design in Rosetta: recent methods and frameworks. <i>Nature Methods</i> , 2020, 17, 665-680.	19.0	513
5	Quadruplexes act as sequence-dependent protein chaperones. <i>EMBO Reports</i> , 2020, 21, e49735.	4.5	19
6	Structural and Functional Characterization of Sulfonium Carbon-Oxygen Hydrogen Bonding in the Deoxyamino Sugar Methyltransferase TylM1. <i>Biochemistry</i> , 2019, 58, 2152-2159.	2.5	0
7	Building de novo cryo-electron microscopy structures collaboratively with citizen scientists. <i>PLoS Biology</i> , 2019, 17, e3000472.	5.6	10
8	Creating custom Foldit puzzles for teaching biochemistry. <i>Biochemistry and Molecular Biology Education</i> , 2019, 47, 133-139.	1.2	18
9	Identifying dynamic, partially occupied residues using anomalous scattering. <i>Acta Crystallographica Section D: Structural Biology</i> , 2019, 75, 1084-1095.	2.3	5
10	Selecting Conformational Ensembles Using Residual Electron and Anomalous Density (READ). <i>Methods in Molecular Biology</i> , 2018, 1764, 491-504.	0.9	5
11	Folding while bound to chaperones. <i>Current Opinion in Structural Biology</i> , 2018, 48, 1-5.	5.7	42
12	The Mechanism of HdeA Unfolding and Chaperone Activation. <i>Journal of Molecular Biology</i> , 2018, 430, 33-40.	4.2	15
13	Reply to "Misreading chaperone" substrate complexes from random noise™. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 990-991.	8.2	2
14	Chaperone-client interactions: Non-specificity engenders multifunctionality. <i>Journal of Biological Chemistry</i> , 2017, 292, 12010-12017.	3.4	62
15	Computational Redesign of Thioredoxin Is Hypersensitive toward Minor Conformational Changes in the Backbone Template. <i>Journal of Molecular Biology</i> , 2016, 428, 4361-4377.	4.2	21
16	Capturing a Dynamic Chaperone-Substrate Interaction Using NMR-Informed Molecular Modeling. <i>Journal of the American Chemical Society</i> , 2016, 138, 9826-9839.	13.7	25
17	Determining crystal structures through crowdsourcing and coursework. <i>Nature Communications</i> , 2016, 7, 12549.	12.8	47
18	Measuring the Kinetics of Molecular Association by Isothermal Titration Calorimetry. <i>Methods in Enzymology</i> , 2016, 567, 181-213.	1.0	10

#	ARTICLE	IF	CITATIONS
19	RNAs as chaperones. <i>RNA Biology</i> , 2016, 13, 1228-1231.	3.1	35
20	Forces Driving Chaperone Action. <i>Cell</i> , 2016, 166, 369-379.	28.9	89
21	Do nucleic acids moonlight as molecular chaperones?. <i>Nucleic Acids Research</i> , 2016, 44, 4835-4845.	14.5	58
22	Visualizing chaperone-assisted protein folding. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 691-697.	8.2	52
23	Protein unfolding as a switch from self-recognition to high-affinity client binding. <i>Nature Communications</i> , 2016, 7, 10357.	12.8	48
24	HdeB Functions as an Acid-protective Chaperone in Bacteria. <i>Journal of Biological Chemistry</i> , 2015, 290, 65-75.	3.4	45
25	Undergraduates improve upon published crystal structure in class assignment. <i>Biochemistry and Molecular Biology Education</i> , 2014, 42, 398-404.	1.2	6
26	Super Spy variants implicate flexibility in chaperone action. <i>ELife</i> , 2014, 3, e01584.	6.0	48