

Adnan Sljoka

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

761
citations

759055

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22
g-index

38
all docs

38
docs citations

38
times ranked

1208
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and Functional Analysis of Proteins Using Rigidity Theory. , 2022, , 337-367.		6
2	Allosteric modulation of the adenosine A2A receptor by cholesterol. ELife, 2022, 11, .	2.8	25
3	Site Density Functional Theory and Structural Bioinformatics Analysis of the SARS-CoV Spike Protein and hACE2 Complex. Molecules, 2022, 27, 799.	1.7	5
4	Delineating the conformational landscape of the adenosine A2A receptor during G protein coupling. Cell, 2021, 184, 1884-1894.e14.	13.5	97
5	The accuracy of NMR protein structures in the Protein Data Bank. Structure, 2021, 29, 1430-1439.e2.	1.6	9
6	Probing Allosteric Mechanism with Long-Range Rigidity Transmission Across Protein Networks. Methods in Molecular Biology, 2021, 2253, 61-75.	0.4	11
7	Mutation-Induced Long-Range Allosteric Interactions in the Spike Protein Determine the Infectivity of SARS-CoV-2 Emerging Variants. ACS Omega, 2021, 6, 31305-31320.	1.6	8
8	Feedforward Control of Plant Nitrate Transporter NRT1.1 Biphasic Adaptive Activity. Biophysical Journal, 2020, 118, 898-908.	0.2	10
9	Allosteric regulation of glutamate dehydrogenase deamination activity. Scientific Reports, 2020, 10, 16523.	1.6	8
10	A method for validating the accuracy of NMR protein structures. Nature Communications, 2020, 11, 6321.	5.8	40
11	Substrate-Based Allosteric Regulation of a Homodimeric Enzyme. Journal of the American Chemical Society, 2019, 141, 11540-11556.	6.6	26
12	Distributed Computation for Protein Structure Analysis. Lecture Notes on Data Engineering and Communications Technologies, 2019, , 16-23.	0.5	1
13	Mechanistic insights into allosteric regulation of the A2A adenosine G protein-coupled receptor by physiological cations. Nature Communications, 2018, 9, 1372.	5.8	126
14	Repertoire Analysis of Antibody CDR-H3 Loops Suggests Affinity Maturation Does Not Typically Result in Rigidification. Frontiers in Immunology, 2018, 9, 413.	2.2	39
15	The role of dimer asymmetry and protomer dynamics in enzyme catalysis. Science, 2017, 355, .	6.0	155
16	Suppressing allostery in epitope mapping experiments using millisecond hydrogen / deuterium exchange mass spectrometry. MAbs, 2017, 9, 1327-1336.	2.6	28
17	Applications of Constraint Graphs and Assur Groups in Mechanism Analysis and Synthesis. , 2017, , .		2
18	Dimer asymmetry and protomer dynamics in enzyme catalysis. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, a291-a291.	0.0	0

#	ARTICLE	IF	CITATIONS
19	Exploring Protein Flexibility and Allosteric Signalling Mechanism with Rigidity Theory. , 2016, , .		1
20	Characterizing redundant rigidity and redundant global rigidity of body-hinge graphs. Information Processing Letters, 2016, 116, 175-178.	0.4	1
21	Hyperphosphorylation of Intrinsically Disordered Tau Protein Induces an Amyloidogenic Shift in Its Conformational Ensemble. PLoS ONE, 2015, 10, e0120416.	1.1	68
22	Symmetry Adapted Assur Decompositions. Symmetry, 2014, 6, 516-550.	1.1	3
23	How does symmetry impact the flexibility of proteins?. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20120041.	1.6	23
24	On the Symmetric Molecular Conjectures. Mechanisms and Machine Science, 2014, , 175-184.	0.3	4
25	Directed graphs, decompositions, and spatial linkages. Discrete Applied Mathematics, 2013, 161, 3028-3047.	0.5	17
26	Probing protein ensemble rigidity and hydrogenâ€“deuterium exchange. Physical Biology, 2013, 10, 056013.	0.8	27
27	Protein Flexibility of Dimers: Do Symmetric Motions Play a Role in Allosteric Interactions?. , 2011, , .		1
28	Predicting Protein Hinge Motions and Allostery Using Rigidity Theory. , 2011, , .		0
29	Checking Mobility and Decomposition of Linkages via Pebble Game Algorithm. , 2011, , .		16
30	The Accuracy of NMR Protein Structures in the Protein Data Bank. SSRN Electronic Journal, 0, , .	0.4	0