

James Krieger

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,258
citations

430874

18
h-index

501196

28
g-index

33
all docs

33
docs citations

33
times ranked

1772
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Pseudomonas aeruginosa</i> utilizes host polyunsaturated phosphatidylethanolamines to trigger theft-ferroptosis in bronchial epithelium. <i>Journal of Clinical Investigation</i> , 2018, 128, 4639-4653.	8.2	159
2	The Relationship Between Food Insecurity and Depression, Diabetes Distress and Medication Adherence Among Low-Income Patients with Poorly-Controlled Diabetes. <i>Journal of General Internal Medicine</i> , 2015, 30, 1476-1480.	2.6	147
3	Structure and organization of heteromeric AMPA-type glutamate receptors. <i>Science</i> , 2016, 352, aad3873.	12.6	105
4	<i>ProDy</i> 2.0: increased scale and scope after 10 years of protein dynamics modelling with Python. <i>Bioinformatics</i> , 2021, 37, 3657-3659.	4.1	93
5	Intrinsic dynamics is evolutionarily optimized to enable allosteric behavior. <i>Current Opinion in Structural Biology</i> , 2020, 62, 14-21.	5.7	85
6	Cooperative Dynamics of Intact AMPA and NMDA Glutamate Receptors: Similarities and Subfamily-Specific Differences. <i>Structure</i> , 2015, 23, 1692-1704.	3.3	73
7	Survey of the analysis of continuous conformational variability of biological macromolecules by electron microscopy. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2019, 75, 19-32.	0.8	49
8	Conformational Recognition of an Intrinsically Disordered Protein. <i>Biophysical Journal</i> , 2014, 106, 1771-1779.	0.5	47
9	Shared Signature Dynamics Tempered by Local Fluctuations Enables Fold Adaptability and Specificity. <i>Molecular Biology and Evolution</i> , 2019, 36, 2053-2068.	8.9	45
10	Allosteric interactions in the parathyroid hormone GPCR-arrestin complex formation. <i>Nature Chemical Biology</i> , 2020, 16, 1096-1104.	8.0	38
11	Receptor Heteromeric Assembly—How It Works and Why It Matters. <i>Progress in Molecular Biology and Translational Science</i> , 2013, 117, 361-386.	1.7	35
12	Characterization of Differential Dynamics, Specificity, and Allostery of Lipoxygenase Family Members. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 2496-2508.	5.4	34
13	Towards gaining sight of multiscale events: utilizing network models and normal modes in hybrid methods. <i>Current Opinion in Structural Biology</i> , 2020, 64, 34-41.	5.7	32
14	Impact of new variants on SARS-CoV-2 infectivity and neutralization: A molecular assessment of the alterations in the spike-host protein interactions. <i>Science</i> , 2022, 25, 103939.	4.1	32
15	A monoclonal antibody against staphylococcal enterotoxin B superantigen inhibits SARS-CoV-2 entry in vitro. <i>Structure</i> , 2021, 29, 951-962.e3.	3.3	28
16	Structure, Dynamics, and Allosteric Potential of Ionotropic Glutamate Receptor N-Terminal Domains. <i>Biophysical Journal</i> , 2015, 109, 1136-1148.	0.5	27
17	Randomized Controlled Trial of a Community Health Worker Self-Management Support Intervention Among Low-Income Adults With Diabetes, Seattle, Washington, 2010–2014. <i>Preventing Chronic Disease</i> , 2017, 14, E15.	3.4	27
18	Pharmmaker: Pharmacophore modeling and hit identification based on druggability simulations. <i>Protein Science</i> , 2020, 29, 76-86.	7.6	19

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19	Druggability Simulations and X-Ray Crystallography Reveal a Ligand-Binding Site in the GluA3 AMPA Receptor N-Terminal Domain. <i>Structure</i> , 2019, 27, 241-252.e3.	3.3	16
20	Peer Support for Achieving Independence in Diabetes (Peer-AID): Design, methods and baseline characteristics of a randomized controlled trial of community health worker assisted diabetes self-management support. <i>Contemporary Clinical Trials</i> , 2014, 38, 361-369.	1.8	15
21	Mechanisms underlying TARP modulation of the GluA1/2- $\hat{1}^{38}$ AMPA receptor. <i>Nature Communications</i> , 2022, 13, 734.	12.8	15
22	Sampling of Protein Conformational Space Using Hybrid Simulations: A Critical Assessment of Recent Methods. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 832847.	3.5	14
23	The Value of Community Health Workers in Diabetes Management in Low-Income Populations: A Qualitative Study. <i>Journal of Community Health</i> , 2018, 43, 842-847.	3.8	12
24	State-dependent sequential allostery exhibited by chaperonin TRiC/CCT revealed by network analysis of Cryo-EM maps. <i>Progress in Biophysics and Molecular Biology</i> , 2021, 160, 104-120.	2.9	12
25	Activation and desensitization of ionotropic glutamate receptors by selectively triggering pre-existing motions. <i>Neuroscience Letters</i> , 2019, 700, 22-29.	2.1	11
26	Adaptability and specificity: how do proteins balance opposing needs to achieve function?. <i>Current Opinion in Structural Biology</i> , 2021, 67, 25-32.	5.7	11
27	Approximating deformation fields for the analysis of continuous heterogeneity of biological macromolecules by 3D Zernike polynomials. <i>IUCr</i> , 2021, 8, 992-1005.	2.2	9
28	Protein dynamics developments for the large scale and cryoEM: case study of <i>ProDy</i> 2.0. <i>Acta Crystallographica Section D: Structural Biology</i> , 2022, 78, 399-409.	2.3	7
29	Druggability Simulations and X-ray Crystallography Reveal a Ligand-binding Site in the GluA3 AMPA Receptor N-terminal Domain. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0