

Dongsheng Lei

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

429
citations

840776

11
h-index

752698

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g-index

22
all docs

22
docs citations

22
times ranked

617
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural basis of transfer between lipoproteins by cholesteryl ester transfer protein. <i>Nature Chemical Biology</i> , 2012, 8, 342-349.	8.0	123
2	Three-dimensional structural dynamics of DNA origami Bennett linkages using individual-particle electron tomography. <i>Nature Communications</i> , 2018, 9, 592.	12.8	48
3	Three-dimensional structural dynamics and fluctuations of DNA-nanogold conjugates by individual-particle electron tomography. <i>Nature Communications</i> , 2016, 7, 11083.	12.8	36
4	Structural and Functional Characterization of a Hole-Hole Homodimer Variant in a "Knob-Into-Hole" Bispecific Antibody. <i>Analytical Chemistry</i> , 2017, 89, 13494-13501.	6.5	31
5	Polyhedral 3D structure of human plasma very low density lipoproteins by individual particle cryo-electron tomography. <i>Journal of Lipid Research</i> , 2016, 57, 1879-1888.	4.2	26
6	LoTTor: An Algorithm for Missing-Wedge Correction of the Low-Tilt Tomographic 3D Reconstruction of a Single-Molecule Structure. <i>Scientific Reports</i> , 2020, 10, 10489.	3.3	26
7	Insights into the Tunnel Mechanism of Cholesteryl Ester Transfer Protein through All-atom Molecular Dynamics Simulations. <i>Journal of Biological Chemistry</i> , 2016, 291, 14034-14044.	3.4	25
8	Structural features of cholesteryl ester transfer protein: A molecular dynamics simulation study. <i>Proteins: Structure, Function and Bioinformatics</i> , 2013, 81, 415-425.	2.6	24
9	Assessing the mechanisms of cholesteryl ester transfer protein inhibitors. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017, 1862, 1606-1617.	2.4	15
10	Single-molecule 3D imaging of human plasma intermediate-density lipoproteins reveals a polyhedral structure. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 260-270.	2.4	15
11	Large Conformational Changes of Insertion 3 in Human Glycyl-tRNA Synthetase (hGlyRS) during Catalysis. <i>Journal of Biological Chemistry</i> , 2016, 291, 5740-5752.	3.4	14
12	Single-Molecule 3D Images of "Hole-Hole" IgG1 Homodimers by Individual-Particle Electron Tomography. <i>Scientific Reports</i> , 2019, 9, 8864.	3.3	11
13	An Algorithm for Enhancing the Image Contrast of Electron Tomography. <i>Scientific Reports</i> , 2018, 8, 16711.	3.3	9
14	A Model of Lipid-Free Apolipoprotein A-I Revealed by Iterative Molecular Dynamics Simulation. <i>PLoS ONE</i> , 2015, 10, e0120233.	2.5	7
15	Synergistic effect of hierarchical nanopores in Co-doped cobalt oxide 3D flowers for electrochemical energy storage. <i>RSC Advances</i> , 2020, 10, 43825-43833.	3.6	5
16	Optimized Negative-Staining Protocol for Lipid-Protein Interactions Investigated by Electron Microscopy. <i>Methods in Molecular Biology</i> , 2019, 2003, 163-173.	0.9	4
17	Spontaneously periodic wave generation in coupled excitable media. <i>Physical Review E</i> , 2009, 79, 056213.	2.1	3
18	The X-ray structure of tubulysin analogue TGL in complex with tubulin and three possible routes for the development of next-generation tubulysin analogues. <i>Biochemical and Biophysical Research Communications</i> , 2021, 565, 29-35.	2.1	3

#	ARTICLE	IF	CITATIONS
19	Cholesteryl Ester Transfer Protein Penetrates Lipoproteins For Cholesteryl Ester Transfer. Biophysical Journal, 2010, 98, 36a.	0.5	2
20	A DNA origami plasmonic sensor with environment-independent read-out. Nano Research, 2019, 12, 2900-2907.	10.4	2
21	Visualizing Biological Samples in Liquid Solution by Electron Microscopy. Biophysical Journal, 2014, 106, 598a.	0.5	0
22	Three Dimensional Dynamics and Fluctuations of DNA-Nanogold Dimers by Individual-Particle Electron Tomography. Biophysical Journal, 2016, 110, 184a.	0.5	0