

Shuangye Yin

List of Publications by Year in descending order

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32
papers

3,432
citations

257450

24
h-index

434195

31
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39
all docs

39
docs citations

39
times ranked

5772
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive variation discovery in single human genomes. <i>Nature Genetics</i> , 2014, 46, 1350-1355.	21.4	214
2	Assemblathon 2: evaluating de novo methods of genome assembly in three vertebrate species. <i>GigaScience</i> , 2013, 2, 10.	6.4	582
3	Finished bacterial genomes from shotgun sequence data. <i>Genome Research</i> , 2012, 22, 2270-2277.	5.5	205
4	Discrete Molecular Dynamics Distinguishes Nativelike Binding Poses from Decoys in Difficult Targets. <i>Biophysical Journal</i> , 2012, 102, 144-151.	0.5	31
5	Cheminformatics Meets Molecular Mechanics: A Combined Application of Knowledge-Based Pose Scoring and Physical Force Field-Based Hit Scoring Functions Improves the Accuracy of Structure-Based Virtual Screening. <i>Journal of Chemical Information and Modeling</i> , 2012, 52, 16-28.	5.4	37
6	Combined Application of Cheminformatics- and Physical Force Field-Based Scoring Functions Improves Binding Affinity Prediction for CSAR Data Sets. <i>Journal of Chemical Information and Modeling</i> , 2011, 51, 2027-2035.	5.4	23
7	Structural Basis for μ -Opioid Receptor Binding and Activation. <i>Structure</i> , 2011, 19, 1683-1690.	3.3	30
8	Fingerprint-based structure retrieval using electron density. <i>Proteins: Structure, Function and Bioinformatics</i> , 2011, 79, 1002-1009.	2.6	8
9	Metastability of Free Cobalt and Iron Clusters: A Possible Precursor to Bulk Ferromagnetism. <i>Physical Review Letters</i> , 2011, 107, 057203.	7.8	35
10	Assemblathon 1: A competitive assessment of de novo short read assembly methods. <i>Genome Research</i> , 2011, 21, 2224-2241.	5.5	443
11	Size dependent magnetic moments and electric polarizabilities of free Tb, Ho, and Tm clusters. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	15
12	Computational Design of a PAK1 Binding Protein. <i>Journal of Molecular Biology</i> , 2010, 400, 257-270.	4.2	69
13	Rapid Flexible Docking Using a Stochastic Rotamer Library of Ligands. <i>Journal of Chemical Information and Modeling</i> , 2010, 50, 1623-1632.	5.4	80
14	Computational Evaluation of Protein Stability Change upon Mutations. <i>Methods in Molecular Biology</i> , 2010, 634, 189-201.	0.9	7
15	Fast screening of protein surfaces using geometric invariant fingerprints. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16622-16626.	7.1	58
16	Electron Pairing in Ferroelectric Niobium and Niobium Alloy Clusters. <i>Journal of Superconductivity and Novel Magnetism</i> , 2008, 21, 265-269.	1.8	12
17	Protein folding: Then and now. <i>Archives of Biochemistry and Biophysics</i> , 2008, 469, 4-19.	3.0	88
18	MedusaScore: An Accurate Force Field-Based Scoring Function for Virtual Drug Screening. <i>Journal of Chemical Information and Modeling</i> , 2008, 48, 1656-1662.	5.4	165

#	ARTICLE	IF	CITATIONS
19	Distribution of magnetization of a cold ferromagnetic cluster beam. <i>Physical Review B</i> , 2008, 78, .	3.2	29
20	Magnetic Enhancement in Cobalt-Manganese Alloy Clusters. <i>Physical Review Letters</i> , 2007, 98, 113401.	7.8	82
21	Nonclassical dipoles in cold niobium clusters. <i>Physical Review B</i> , 2007, 75, .	3.2	18
22	Eris: an automated estimator of protein stability. <i>Nature Methods</i> , 2007, 4, 466-467.	19.0	355
23	Modeling Backbone Flexibility Improves Protein Stability Estimation. <i>Structure</i> , 2007, 15, 1567-1576.	3.3	147
24	Measurement of magnetic moments of freeBiNMnMclusters. <i>Physical Review B</i> , 2005, 72, .	3.2	38
25	Magnetic Moments and Adiabatic Magnetization of Free Cobalt Clusters. <i>Physical Review Letters</i> , 2005, 95, 237209.	7.8	163
26	Spin Uncoupling in Free Nb Clusters: Support for Nascent Superconductivity. <i>Physical Review Letters</i> , 2004, 93, 086803.	7.8	54
27	Ferroelectricity in Free Niobium Clusters.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
28	Ferroelectricity in Free Niobium Clusters. <i>Science</i> , 2003, 300, 1265-1269.	12.6	130
29	Novel Structures and Properties of Gold Nanowires. <i>Physical Review Letters</i> , 2001, 86, 2046-2049.	7.8	186
30	Structures and electronic properties of ultrathin titanium nanowires. <i>Journal of Physics Condensed Matter</i> , 2001, 13, L403-L408.	1.8	53
31	A genetic algorithm study on the most stable disordered and ordered configurations of Au ₃₈ â€“55. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 267, 403-407.	2.1	61
32	Nanostructured films of Boron suboxide by pulsed laser deposition. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 268, 442-447.	2.1	12