

Shuangye Yin

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

3,432
citations

257450

24
h-index

434195

31
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39
all docs

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docs citations

39
times ranked

5772
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Assemblathon 2: evaluating de novo methods of genome assembly in three vertebrate species. <i>GigaScience</i> , 2013, 2, 10. | 6.4 | 582 |
| 2 | Assemblathon 1: A competitive assessment of de novo short read assembly methods. <i>Genome Research</i> , 2011, 21, 2224-2241. | 5.5 | 443 |
| 3 | Eris: an automated estimator of protein stability. <i>Nature Methods</i> , 2007, 4, 466-467. | 19.0 | 355 |
| 4 | Comprehensive variation discovery in single human genomes. <i>Nature Genetics</i> , 2014, 46, 1350-1355. | 21.4 | 214 |
| 5 | Finished bacterial genomes from shotgun sequence data. <i>Genome Research</i> , 2012, 22, 2270-2277. | 5.5 | 205 |
| 6 | Novel Structures and Properties of Gold Nanowires. <i>Physical Review Letters</i> , 2001, 86, 2046-2049. | 7.8 | 186 |
| 7 | 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 |
| 8 | Magnetic Moments and Adiabatic Magnetization of Free Cobalt Clusters. <i>Physical Review Letters</i> , 2005, 95, 237209. | 7.8 | 163 |
| 9 | Modeling Backbone Flexibility Improves Protein Stability Estimation. <i>Structure</i> , 2007, 15, 1567-1576. | 3.3 | 147 |
| 10 | Ferroelectricity in Free Niobium Clusters. <i>Science</i> , 2003, 300, 1265-1269. | 12.6 | 130 |
| 11 | Protein folding: Then and now. <i>Archives of Biochemistry and Biophysics</i> , 2008, 469, 4-19. | 3.0 | 88 |
| 12 | Magnetic Enhancement in Cobalt-Manganese Alloy Clusters. <i>Physical Review Letters</i> , 2007, 98, 113401. | 7.8 | 82 |
| 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 Design of a PAK1 Binding Protein. <i>Journal of Molecular Biology</i> , 2010, 400, 257-270. | 4.2 | 69 |
| 15 | A genetic algorithm study on the most stable disordered and ordered configurations of Au ₃₈ Ag ₅₅ . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 267, 403-407. | 2.1 | 61 |
| 16 | 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 |
| 17 | Spin Uncoupling in Free Nb Clusters: Support for Nascent Superconductivity. <i>Physical Review Letters</i> , 2004, 93, 086803. | 7.8 | 54 |
| 18 | Structures and electronic properties of ultrathin titanium nanowires. <i>Journal of Physics Condensed Matter</i> , 2001, 13, L403-L408. | 1.8 | 53 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Measurement of magnetic moments of freeBiNMnMclusters. Physical Review B, 2005, 72, . | 3.2 | 38 |
| 20 | 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. Journal of Chemical Information and Modeling, 2012, 52, 16-28. | 5.4 | 37 |
| 21 | Metastability of Free Cobalt and Iron Clusters: A Possible Precursor to Bulk Ferromagnetism. Physical Review Letters, 2011, 107, 057203. | 7.8 | 35 |
| 22 | Discrete Molecular Dynamics Distinguishes Nativelike Binding Poses from Decoys in Difficult Targets. Biophysical Journal, 2012, 102, 144-151. | 0.5 | 31 |
| 23 | Structural Basis for μ -Opioid Receptor Binding and Activation. Structure, 2011, 19, 1683-1690. | 3.3 | 30 |
| 24 | Distribution of magnetization of a cold ferromagnetic cluster beam. Physical Review B, 2008, 78, . | 3.2 | 29 |
| 25 | Combined Application of Cheminformatics- and Physical Force Field-Based Scoring Functions Improves Binding Affinity Prediction for CSAR Data Sets. Journal of Chemical Information and Modeling, 2011, 51, 2027-2035. | 5.4 | 23 |
| 26 | Nonclassical dipoles in cold niobium clusters. Physical Review B, 2007, 75, . | 3.2 | 18 |
| 27 | Size dependent magnetic moments and electric polarizabilities of free Tb, Ho, and Tm clusters. Journal of Applied Physics, 2010, 107, . | 2.5 | 15 |
| 28 | Nanostructured films of Boron suboxide by pulsed laser deposition. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 268, 442-447. | 2.1 | 12 |
| 29 | Electron Pairing in Ferroelectric Niobium and Niobium Alloy Clusters. Journal of Superconductivity and Novel Magnetism, 2008, 21, 265-269. | 1.8 | 12 |
| 30 | Fingerprint-based structure retrieval using electron density. Proteins: Structure, Function and Bioinformatics, 2011, 79, 1002-1009. | 2.6 | 8 |
| 31 | Computational Evaluation of Protein Stability Change upon Mutations. Methods in Molecular Biology, 2010, 634, 189-201. | 0.9 | 7 |
| 32 | Ferroelectricity in Free Niobium Clusters.. ChemInform, 2003, 34, no. | 0.0 | 0 |