Szilard N Fejer

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4374034/publications.pdf

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31	492	687363 13	677142 22
papers	citations	h-index	g-index

33	33	33	611
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Self-assembly of anisotropic particles. Soft Matter, 2011, 7, 3553.	2.7	60
2	Emergent Complexity from Simple Anisotropic Building Blocks: Shells, Tubes, and Spirals. ACS Nano, 2010, 4, 219-228.	14.6	58
3	Helix Self-Assembly from Anisotropic Molecules. Physical Review Letters, 2007, 99, 086106.	7.8	44
4	Energy landscapes for shells assembled from pentagonal and hexagonal pyramids. Physical Chemistry Chemical Physics, 2009, 11, 2098.	2.8	44
5	Hydrogen bondings in deoxynivalenol (DON) conformationsâ€"a density functional study. Computational and Theoretical Chemistry, 2005, 726, 55-59.	1.5	37
6	Rational design of helical architectures. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20164-20167.	7.1	37
7	Symmetrization of the AMBER and CHARMM force fields. Journal of Computational Chemistry, 2010, 31, 1402-1409.	3.3	36
8	Design principles for Bernal spirals and helices with tunable pitch. Nanoscale, 2014, 6, 9448-9456.	5.6	25
9	A left-handed building block self-assembles into right- and left-handed helices. RSC Advances, 2013, 3, 12905.	3.6	15
10	First-Principle Computational Study on the Full Conformational Space of l-Threonine Diamide, the Energetic Stability of Cis and Trans Isomers. Journal of Physical Chemistry A, 2006, 110, 11527-11536.	2.5	14
11	Thermodynamic Functions of Conformational Changes. 2. Conformational Entropy as a Measure of Information Accumulation. Journal of Physical Chemistry A, 2006, 110, 3808-3813.	2.5	13
12	Interpolation schemes for peptide rearrangements. Journal of Chemical Physics, 2010, 132, 054101.	3.0	13
13	Local Frustration Determines Molecular and Macroscopic Helix Structures. Journal of Physical Chemistry B, 2013, 117, 7918-7928.	2.6	13
14	Thermodynamic Functions of Conformational Changes: Conformational Network of Glycine Diamide Folding, Entropy Lowering, and Informational Accumulation. Journal of Physical Chemistry A, 2006, 110, 13325-13331.	2.5	8
15	Design of a Kagome lattice from soft anisotropic particles. Soft Matter, 2015, 11, 6663-6668.	2.7	8
16	Global optimization of cholic acid aggregates. Journal of Chemical Physics, 2014, 140, 144302.	3.0	7
17	Information accumulation in helical oligopeptide structures. Chemical Physics Letters, 2007, 450, 123-126.	2.6	6
18	Molecular orbital computations on lipids: an ab initio exploratory study on the conformations of glycerol and its fluorine congeners. Computational and Theoretical Chemistry, 2005, 722, 79-96.	1.5	5

#	Article	IF	Citations
19	Thermodynamic functions of conformational changes I. A comparative first principles study of 1,2-disubstituted ethanes. Molecular Physics, 2006, 104, 795-803.	1.7	5
20	Predicting the Initial Steps of Salt-Stable Cowpea Chlorotic Mottle Virus Capsid Assembly with Atomistic Force Fields. Journal of Chemical Information and Modeling, 2017, 57, 910-917.	5.4	5
21	Designing hierarchical molecular complexity: icosahedra of addressable icosahedra. Molecular Physics, 2018, 116, 2954-2964.	1.7	5
22	Minimalistic coarse-grained modeling of viral capsid assembly. Progress in Molecular Biology and Translational Science, 2020, 170, 405-434.	1.7	4
23	Influence of Reduced Graphene Oxide on the Electropolymerization of 5-Amino-1-naphthol and the Interaction of 1,4-Phenylene Diisothiocyanate with the Poly(5-Amino-1-naphtol)/Reduced Graphene Oxide Composite. Polymers, 2020, 12, 1299.	4.5	4
24	Conformational effects of the valine sidechain on the Î²LÎ²L extended and Type I beta turn backbone structures of MeCO-Val-Ala-NHMe and MeCO-Ala-Val-NHMe. An ab initio exploratory conformational study. Computational and Theoretical Chemistry, 2003, 666-667, 303-310.	1.5	3
25	Thermodynamic functions of conformational changes, part IV: Functional analysis of conformational entropy of substituted ethane and methanol. International Journal of Quantum Chemistry, 2007, 107, 1826-1834.	2.0	3
26	Helix compactness and stability: Electron structure calculations of conformer dependent thermodynamic functions. Chemical Physics Letters, 2013, 563, 80-87.	2.6	2
27	Reusable on-plate immunoprecipitation method with covalently immobilized antibodies on a protein G covered microtiter plate. Journal of Immunological Methods, 2020, 483, 112812.	1.4	2
28	Optical Evidence for the Assembly of Sensors Based on Reduced Graphene Oxide and Polydiphenylamine for the Detection of Epidermal Growth Factor Receptor. Coatings, 2021, 11, 258.	2.6	2
29	Adsorption of 1,4-phenylene diisothiocyanate onto the graphene oxide sheets functionalized with polydiphenylamine in doped state. Scientific Reports, 2019, 9, 11968.	3.3	1
30	Vibrational and photoluminescence properties of polydiphenylamine doped with silicotungstic acid heteropolyanions and their composites with reduced graphene oxide. Journal of Molecular Structure, 2019, 1184, 25-35.	3.6	1
31	Extremely rare â€œdaisy-likeâ€•crystals in urinary sediment can be due to a sampling artifact. Clinica Chimica Acta, 2021, 523, 169-171.	1.1	1