Szilard N Fejer

List of Publications by Year
in descending order

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

Version: 2024-02-01

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	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
2	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
3	Minimalistic coarse-grained modeling of viral capsid assembly. Progress in Molecular Biology and Translational Science, 2020, 170, 405-434.	1.7	4
4	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
5	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
6	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
7	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
8	Designing hierarchical molecular complexity: icosahedra of addressable icosahedra. Molecular Physics, 2018, 116, 2954-2964.	1.7	5
9	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
10	Design of a Kagome lattice from soft anisotropic particles. Soft Matter, 2015, 11, 6663-6668.	2.7	8
11	Global optimization of cholic acid aggregates. Journal of Chemical Physics, 2014, 140, 144302.	3.0	7
12	Design principles for Bernal spirals and helices with tunable pitch. Nanoscale, 2014, 6, 9448-9456.	5.6	25
13	A left-handed building block self-assembles into right- and left-handed helices. RSC Advances, 2013, 3, 12905.	3.6	15
14	Helix compactness and stability: Electron structure calculations of conformer dependent thermodynamic functions. Chemical Physics Letters, 2013, 563, 80-87.	2.6	2
15	Local Frustration Determines Molecular and Macroscopic Helix Structures. Journal of Physical Chemistry B, 2013, 117, 7918-7928.	2.6	13
16	Self-assembly of anisotropic particles. Soft Matter, 2011, 7, 3553.	2.7	60
17	Symmetrization of the AMBER and CHARMM force fields. Journal of Computational Chemistry, 2010, 31, 1402-1409.	3.3	36
18	Interpolation schemes for peptide rearrangements. Journal of Chemical Physics, 2010, 132, 054101.	3.0	13

#	Article	IF	Citations
19	Emergent Complexity from Simple Anisotropic Building Blocks: Shells, Tubes, and Spirals. ACS Nano, 2010, 4, 219-228.	14.6	58
20	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
21	Energy landscapes for shells assembled from pentagonal and hexagonal pyramids. Physical Chemistry Chemical Physics, 2009, 11, 2098.	2.8	44
22	Helix Self-Assembly from Anisotropic Molecules. Physical Review Letters, 2007, 99, 086106.	7.8	44
23	Information accumulation in helical oligopeptide structures. Chemical Physics Letters, 2007, 450, 123-126.	2.6	6
24	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
25	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
26	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
27	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
28	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
29	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
30	Hydrogen bondings in deoxynivalenol (DON) conformationsâ€"a density functional study. Computational and Theoretical Chemistry, 2005, 726, 55-59.	1.5	37
31	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