

Andreas F Tillack

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,468
citations

759233

12
h-index

839539

18
g-index

26
all docs

26
docs citations

26
times ranked

1870
citing authors

#	ARTICLE	IF	CITATIONS
1	Benchmarking the performance of irregular computations in AutoDock-GPU molecular docking. <i>Parallel Computing</i> , 2022, 109, 102861.	2.1	19
2	Accelerating AutoDock4 with GPUs and Gradient-Based Local Search. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 1060-1073.	5.3	128
3	AutoDock Vina 1.2.0: New Docking Methods, Expanded Force Field, and Python Bindings. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 3891-3898.	5.4	1,481
4	Birefringence, dimensionality, and surface influences on organic hybrid electro-optic performance. , 2021, , .		1
5	GPU-Accelerated Drug Discovery with Docking on the Summit Supercomputer. , 2020, , .		36
6	Unraveling Excitonic Effects for the First Hyperpolarizabilities of Chromophore Aggregates. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13818-13836.	3.1	8
7	Using Compiler Directives for Performance Portability in Scientific Computing: Kernels from Molecular Simulation. <i>Lecture Notes in Computer Science</i> , 2019, , 22-47.	1.3	2
8	Multi-scale theory-assisted nano-engineering of plasmonic-organic hybrid electro-optic device performance. , 2018, , .		1
9	Poling-induced birefringence in OEO materials under nanoscale confinement. , 2018, , .		5
10	Silicon-Organic and Plasmonic-Organic Hybrid Photonics. <i>ACS Photonics</i> , 2017, 4, 1576-1590.	6.6	123
11	Simple Model for the Benzene Hexafluorobenzene Interaction. <i>Journal of Physical Chemistry B</i> , 2017, 121, 6184-6188.	2.6	7
12	Nonlinearities of organic electro-optic materials in nanoscale slots and implications for the optimum modulator design. <i>Optics Express</i> , 2017, 25, 2627.	3.4	114
13	Shape matters: The case for Ellipsoids and Ellipsoidal Water. <i>Journal of Physics: Conference Series</i> , 2017, 921, 012015.	0.4	1
14	Hybrid electro-optics and chipscale integration of electronics and photonics. , 2017, , .		2
15	Alternative bridging architectures in organic nonlinear optical materials: comparison of π - and π -type structures. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, E160.	2.1	3
16	Systematic Generation of Anisotropic Coarse-Grained Lennard-Jones Potentials and Their Application to Ordered Soft Matter. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 4362-4374.	5.3	22
17	Toward optimal EO response from ONLO chromophores: a statistical mechanics study of optimizing shape. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, E121.	2.1	20
18	Benzocyclobutene barrier layer for suppressing conductance in nonlinear optical devices during electric field poling. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	56

#	ARTICLE	IF	CITATIONS
19	Cross-conjugation as a Motif for Organic Non-Linear Optical Molecules. Materials Research Society Symposia Proceedings, 2014, 1698, 14.	0.1	0
20	Modeling Chromophore Order: A Guide For Improving EO Performance. Materials Research Society Symposia Proceedings, 2014, 1698, 26.	0.1	11
21	Submicrosecond Time Resolution Atomic Force Microscopy for Probing Nanoscale Dynamics. Nano Letters, 2012, 12, 893-898.	9.1	82
22	Surface Characterization of Polythiophene:Fullerene Blends on Different Electrodes Using Near Edge X-ray Absorption Fine Structure. ACS Applied Materials & Interfaces, 2011, 3, 726-732.	8.0	38
23	Quantum Dot/Plasmonic Nanoparticle Metachromophores with Quantum Yields That Vary with Excitation Wavelength. Nano Letters, 2011, 11, 2725-2730.	9.1	56
24	Spectral Control of Plasmonic Emission Enhancement from Quantum Dots near Single Silver Nanoprisms. Nano Letters, 2010, 10, 2598-2603.	9.1	228