Damien J Carter

List of Publications by Year
in descending order

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22	650	623734 14	677142 22
papers	citations	h-index	g-index

22	22	22	925
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Timoshenko Bending and Eshelby Twisting Predicted in Molecular Nanocrystals. Journal of Physical Chemistry C, 2018, 122, 25085-25091.	3.1	9
2	Developing an understanding of undergraduate student interactions in chemistry laboratories. Chemistry Education Research and Practice, 2018, 19, 1186-1198.	2.5	13
3	Powder diffraction and crystal structure prediction identify four new coumarin polymorphs. Chemical Science, 2017, 8, 4926-4940.	7.4	97
4	Difference Hirshfeld fingerprint plots: a tool for studying polymorphs. CrystEngComm, 2017, 19, 2207-2215.	2.6	20
5	Resorcinol Crystallization from the Melt: A New Ambient Phase and New â€œRiddlesâ€• Journal of the American Chemical Society, 2016, 138, 4881-4889.	13.7	74
6	Silver(i), gold(i) and palladium(ii) complexes of a NHC-pincer ligand with an aminotriazine core: a comparison with pyridyl analogues. Dalton Transactions, 2016, 45, 1484-1495.	3.3	15
7	Bottom-up assembly of metallic germanium. Scientific Reports, 2015, 5, 12948.	3.3	21
8	Benchmarking Calculated Lattice Parameters and Energies of Molecular Crystals Using van der Waals Density Functionals. Journal of Chemical Theory and Computation, 2014, 10, 3423-3437.	5.3	56
9	Valley Splitting in a Silicon Quantum Device Platform. Nano Letters, 2014, 14, 1515-1519.	9.1	18
10	van der <scp>W</scp>aals corrected density functional calculations of the adsorption of benzene on the Cu (111) surface. Journal of Computational Chemistry, 2014, 35, 2263-2271.	3.3	11
11	Structural Correspondence of Solution, Liquid Crystal, and Crystalline Phases of the Chromonic Mesogen Sunset Yellow. Crystal Growth and Design, 2014, 14, 4166-4176.	3.0	21
12	Noncovalent Interactions in SIESTA Using the vdW-DF Functional: S22 Benchmark and Macrocyclic Structures. Journal of Chemical Theory and Computation, 2012, 8, 281-289.	5.3	26
13	Prediction of Soai Reaction Enantioselectivity Induced by Crystals of N-(2-Thienylcarbonyl)glycine. Crystal Growth and Design, 2012, 12, 2138-2145.	3.0	32
14	Computational methodology for chirality determination in the Soai reaction by crystals: Î³-glycine. Theoretical Chemistry Accounts, 2012, 131, 1.	1.4	3
15	Ab Initio Molecular Dynamics Simulations of (101) Surfaces of Potassium Dihydrogenphosphate. Journal of Chemical Theory and Computation, 2011, 7, 1604-1609.	5.3	8
16	Controlling Mesoscale Crystal Helicity with Additives, Again. Crystal Growth and Design, 2011, 11, 2070-2073.	3.0	31
17	Phosphorus Î´-doped silicon: mixed-atom pseudopotentials and dopant disorder effects. Nanotechnology, 2011, 22, 065701.	2.6	34
18	Electronic structure models of phosphorus<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î´</mml:mi></mml:math>-doped silicon. Physical Review B, 2009, 79, .	3.2	48

#	Article	IF	Citations
19	Quantum confinement effects in gallium nitride nanostructures:ab initioinvestigations. Nanotechnology, 2009, 20, 425401.	2.6	14
20	Geometry and diameter dependence of the electronic and physical properties of GaN nanowires from first principles. Physical Review B, 2008, 77, .	3.2	88
21	Ab Initio Simulations of the (101) Surfaces of Potassium Dihydrogenphosphate (KDP). Journal of Chemical Theory and Computation, 2006, 2, 797-800.	5.3	5
22	Adsorption energetics of potassium sulfate dye inclusion crystals. Journal of Molecular Structure, 2003, 647, 65-73.	3.6	6