Andrei Kryjevski

List of Publications by Year
in descending order

12 papers	138 citations	1307594 7 h-index	1720034 7 g-index
12 all docs	12 docs citations	12 times ranked	126 citing authors

#	Article	IF	Citations
1	Photoinduced Single- and Multiple-Electron Dynamics Processes Enhanced by Quantum Confinement in Lead Halide Perovskite Quantum Dots. Journal of Physical Chemistry Letters, 2017, 8, 3032-3039.	4.6	52
2	Multiple exciton generation in silicon quantum dot arrays: density functional perturbation theory computation. Molecular Physics, 2014, 112, 430-440.	1.7	21
3	Theoretical predictions on efficiency of bi-exciton formation and dissociation in chiral carbon nanotubes. Journal of Chemical Physics, 2016, 145, 154112.	3.0	14
4	Amorphous silicon nanomaterials: Quantum dots versus nanowires. Journal of Renewable and Sustainable Energy, 2013, 5, .	2.0	12
5	Multiple exciton generation in chiral carbon nanotubes: Density functional theory based computation. Journal of Chemical Physics, 2017, 147, 154106.	3.0	12
6	Singlet fission in chiral carbon nanotubes: Density functional theory based computation. Journal of Chemical Physics, 2017, 147, 034106.	3.0	11
7	Dynamics of Charge Transfer and Multiple Exciton Generation in the Doped Silicon Quantum Dotâ€“Carbon Nanotube System: Density Functional Theory-Based Computation. Journal of Physical Chemistry Letters, 2018, 9, 5759-5764.	4.6	9
8	Enhanced multiple exciton generation in amorphous silicon nanowires and films. Molecular Physics, 0, , 1-15.	1.7	7
9	Spatially non-uniform field response in arrays of silicon quantum dots: DFT computation. , 2013, , .		0
10	Toward First-Principles Description of Carrier Relaxation in Nanoparticles. ACS Symposium Series, 2015, , 201-213.	0.5	0
11	Comprehensive Study of Multiple Exciton Generation in Chiral Carbon Nanotubes Using Many-Body Perturbation Theory Based on Density Functional Theory Simulations. ACS Symposium Series, 2019, , 157-179.	0.5	0
12	Electronic structure of semiconductor nanoparticles from stochastic evaluation of imaginary-time path integral. Physical Review Research, 2021, 3, .	3.6	0