Yafei Dai

List of Publications by Year
in descending order

17 papers	890 citations	840119 11 h-index	887659 17 g-index
17 all docs	17 docs citations	17 times ranked	1372 citing authors

#	Article	IF	Citations
1	Cationic Covalent Organic Framework Nanosheets for Fast Li-Ion Conduction. Journal of the American Chemical Society, 2018, 140, 896-899.	6.6	331
2	Super Moistureâ€Absorbent Gels for Allâ€Weather Atmospheric Water Harvesting. Advanced Materials, 2019, 31, e1806446.	11.1	281
3	Density functional theory study of the structure and energetics of negatively charged oligopyrroles. International Journal of Quantum Chemistry, 2011, 111, 2295-2305.	1.0	56
4	Polar Ketone-Functionalized Metalâ€“Organic Framework Showing a High CO2 Adsorption Performance. Inorganic Chemistry, 2017, 56, 2363-2366.	1.9	44
5	Energetics, structure, and charge distribution of reduced and oxidized n-pyrrole oligomers: A density functional approach. Journal of Chemical Physics, 2008, 129, 164903.	1.2	27
6	Density Functional Study of Nonlinear Optical Properties of Grossly Warped Nanographene C₈₀H₃₀. Journal of Physical Chemistry C, 2014, 118, 3313-3318.	1.5	27
7	Diffusion and desorption of oxygen atoms on graphene. Journal of Physics Condensed Matter, 2013, 25, 405301.	0.7	24
8	Fiber-Shaped Electrochemical Capacitors Based on Plasma-Engraved Graphene Fibers with Oxygen Vacancies for Alternating Current Line Filtering Performance. ACS Applied Energy Materials, 2019, 2, 993-999.	2.5	16
9	Monte Carlo study of oligopyrroles in condensed phases. Journal of Chemical Physics, 2010, 133, 034905.	1.2	15
10	Pressure distribution based optimization of phase-coded acoustical vortices. Journal of Applied Physics, 2014, 115, .	1.1	15
11	Porous germanene as a highly efficient gas separation membrane. Nanoscale, 2017, 9, 17505-17512.	2.8	12
12	A short review of nanographenes: structures, properties and applications. Molecular Physics, 2018, 116, 987-1002.	0.8	10
13	Density functional theory study of neutral and oxidized thiophene oligomers. Journal of Chemical Physics, 2013, 139, 184905.	1.2	9
14	Energetics, Structure, and Electron Detachment Spectra of Calcium and Zinc Neutral and Anion Clusters: A Density Functional Theory Study. Journal of Physical Chemistry A, 2008, 112, 11052-11060.	1.1	7
15	Electronic and optical properties of pyrrole and thiophene oligomers: A density functional theory study. International Journal of Quantum Chemistry, 2017, 117, e25453.	1.0	7
16	Coronoid nanographene C216 as hydrogen purification membrane: A density functional theory study. Carbon, 2018, 135, 112-117.	5.4	6
17	Comment on â€œElectrical-Driven Transport of Endohedral Fullerene Encapsulating a Single Water Moleculeâ€• Physical Review Letters, 2014, 113, 119601.	2.9	3