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	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
2	Super Moistureâ€Absorbent Gels for Allâ€Weather Atmospheric Water Harvesting. Advanced Materials, 2019, 31, e1806446.	11.1	281
3	Coronoid nanographene C216 as hydrogen purification membrane: A density functional theory study. Carbon, 2018, 135, 112-117.	5.4	6
4	A short review of nanographenes: structures, properties and applications. Molecular Physics, 2018, 116, 987-1002.	0.8	10
5	Cationic Covalent Organic Framework Nanosheets for Fast Li-Ion Conduction. Journal of the American Chemical Society, 2018, 140, 896-899.	6.6	331
6	Polar Ketone-Functionalized Metalâ€“Organic Framework Showing a High CO2 Adsorption Performance. Inorganic Chemistry, 2017, 56, 2363-2366.	1.9	44
7	Porous germanene as a highly efficient gas separation membrane. Nanoscale, 2017, 9, 17505-17512.	2.8	12
8	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
9	Comment on â€œElectrical-Driven Transport of Endohedral Fullerene Encapsulating a Single Water Moleculeâ€. Physical Review Letters, 2014, 113, 119601.	2.9	3
10	Pressure distribution based optimization of phase-coded acoustical vortices. Journal of Applied Physics, 2014, 115, .	1.1	15
11	Density Functional Study of Nonlinear Optical Properties of Grossly Warped Nanographene C₈₀H₃₀. Journal of Physical Chemistry C, 2014, 118, 3313-3318.	1.5	27
12	Density functional theory study of neutral and oxidized thiophene oligomers. Journal of Chemical Physics, 2013, 139, 184905.	1.2	9
13	Diffusion and desorption of oxygen atoms on graphene. Journal of Physics Condensed Matter, 2013, 25, 405301.	0.7	24
14	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
15	Monte Carlo study of oligopyrroles in condensed phases. Journal of Chemical Physics, 2010, 133, 034905.	1.2	15
16	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
17	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