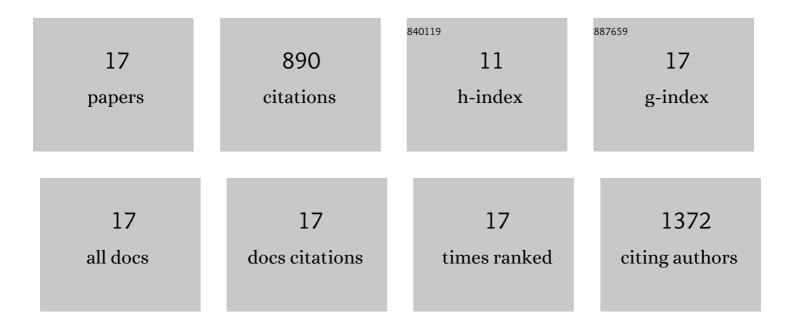
Yafei Dai

List of Publications by Year in descending order

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#	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 Metal–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 "Electrical-Driven Transport of Endohedral Fullerene Encapsulating a Single Water Molecule― 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 C ₈₀ H ₃₀ . 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