Du Zhang

List of Publications by Year
in descending order

16	1,695	759233 12	940533 16
papers	citations	h-index	g-index

16	16	16	3467
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Engineering Substrate Interaction To Improve Hydrogen Evolution Catalysis of Monolayer MoS₂ Films beyond Pt. ACS Nano, 2020, 14, 1707-1714.	14.6	97
2	Mechanism of Rate Acceleration of Radical Câ€“C Bond Formation Reaction by a Radical SAM GTP 3â€²,8-Cyclase. Journal of the American Chemical Society, 2020, 142, 9314-9326.	13.7	15
3	Plasmon-Enhanced Catalysis: Distinguishing Thermal and Nonthermal Effects. Nano Letters, 2018, 18, 1714-1723.	9.1	251
4	Single, Double Electronic Excitations and Exciton Effective Conjugation Lengths in Ï€-Conjugated Systems. Journal of Physical Chemistry Letters, 2018, 9, 4029-4036.	4.6	6
5	Product selectivity in plasmonic photocatalysis for carbon dioxide hydrogenation. Nature Communications, 2017, 8, 14542.	12.8	348
6	Charge transfer excitations from particle-particle random phase approximationâ€”Opportunities and challenges arising from two-electron deficient systems. Journal of Chemical Physics, 2017, 146, 124104.	3.0	10
7	Activating MoS₂ for pH-Universal Hydrogen Evolution Catalysis. Journal of the American Chemical Society, 2017, 139, 16194-16200.	13.7	164
8	Excitation energies from particle-particle random phase approximation with accurate optimized effective potentials. Journal of Chemical Physics, 2017, 147, 134105.	3.0	4
9	Multireference Density Functional Theory with Generalized Auxiliary Systems for Ground and Excited States. Journal of Physical Chemistry Letters, 2017, 8, 4479-4485.	4.6	21
10	Generalized Optimized Effective Potential for Orbital Functionals and Self-Consistent Calculation of Random Phase Approximations. Journal of Physical Chemistry Letters, 2017, 8, 4746-4751.	4.6	18
11	Accurate Quasiparticle Spectra from the T-Matrix Self-Energy and the Particleâ€“Particle Random Phase Approximation. Journal of Physical Chemistry Letters, 2017, 8, 3223-3227.	4.6	18
12	All The Catalytic Active Sites of MoS₂ for Hydrogen Evolution. Journal of the American Chemical Society, 2016, 138, 16632-16638.	13.7	664
13	Accurate and efficient calculation of excitation energies with the active-space particle-particle random phase approximation. Journal of Chemical Physics, 2016, 145, 144105.	3.0	12
14	Conical Intersections from Particleâ€“Particle Random Phase and Tammâ€“Dancoff Approximations. Journal of Physical Chemistry Letters, 2016, 7, 2407-2411.	4.6	23
15	Analytic gradients, geometry optimization and excited state potential energy surfaces from the particle-particle random phase approximation. Physical Chemistry Chemical Physics, 2015, 17, 1025-1038.	2.8	21
16	Dynamical second-order Bethe-Salpeter equation kernel: A method for electronic excitation beyond the adiabatic approximation. Journal of Chemical Physics, 2013, 139, 154109.	3.0	23