Yuanchang Li

List of Publications by Year
in descending order

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20 papers	655 citations	759233 12 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	973 citing authors

#	Article	IF	Citations
1	Accuracy trade-off between one-electron and excitonic spectra of cuprous halides in first-principles calculations. Journal of Chemical Physics, 2021, 154, 134704.	3.0	3
2	Excitonic instability and electronic properties of AlSb in the two-dimensional limit. Physical Review B, 2021, 104, .	3.2	9
3	Electric-field-driven excitonic instability in an organometallic manganese-cyclopentadienyl wire. Physical Review B, 2021, 104, .	3.2	4
4	Transition from band insulator to excitonic insulator via alloying Se into monolayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ti</mml:mi><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> : A computational study. Physical Review B, 2020, 102, .	3.2	6
5	Spin-Triplet Excitonic Insulator: The Case of Semihydrogenated Graphene. Physical Review Letters, 2020, 124, 166401.	7.8	35
6	Understanding the origin of bandgap problem in transition and post-transition metal oxides. Journal of Chemical Physics, 2019, 151, 124703.	3.0	8
7	Two-dimensional ferromagnetic-ferroelectric multiferroics in violation of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mi>d</mml:mi><mml:mn>0</mml:mn></mml:msup></mml:m rule. Physical Review B, 2019, 99, .	3.2	66
8	Half-Excitonic Insulator: A Single-Spin Bose-Einstein Condensate. Physical Review Letters, 2019, 122, 236402.	7.8	29
9	High-Yield Formation of Graphdiyne Macrocycles through On-Surface Assembling and Coupling Reaction. ACS Nano, 2018, 12, 12612-12618.	14.6	35
10	Effect of Hartreeâ€“Fock pseudopotentials on local density functional theory calculations. Physical Chemistry Chemical Physics, 2018, 20, 18844-18849.	2.8	8
11	Realizing an intrinsic excitonic insulator by decoupling exciton binding energy from the minimum band gap. Physical Review B, 2018, 98, .	3.2	25
12	Scaling Universality between Band Gap and Exciton Binding Energy of Two-Dimensional Semiconductors. Physical Review Letters, 2017, 118, 266401.	7.8	173
13	Dirac fermions in blue-phosphorus. 2D Materials, 2014, 1, 031002.	4.4	34
14	First-principles study of hydrogenated carbon nanotubes: A promising route for bilayer graphene nanoribbons. Applied Physics Letters, 2012, 101, .	3.3	7
15	Interface engineering of epitaxial graphene on SiC(0001Â¯) via fluorine intercalation: A first principles study. Applied Physics Letters, 2012, 100, .	3.3	14
16	Dirac Fermions in Strongly Bound Graphene Systems. Physical Review Letters, 2012, 109, 206802.	7.8	53
17	Ab initio Study of Half-Metallicity and Magnetism of Complex Organometallic Molecular Wires. Journal of Physical Chemistry C, 2011, 115, 7292-7297.	3.1	19
18	Electronic and magnetic properties of early transition-metal substituted iron-cyclopentadienyl sandwich molecular wires: Parity-dependent half-metallicity. Journal of Chemical Physics, 2011, 135, 014702.	3.0	5

#	Article	IF	Citations
19	Trends in charge transfer and spin alignment of metallocene on graphene. Physical Review B, 2011, 83, .	3.2	15
20	Alkali-Metal-Doped B80 as High-Capacity Hydrogen Storage Media. Journal of Physical Chemistry C, 2008, 112, 19268-19271.	3.1	107