

# Yuanchang Li

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Scaling Universality between Band Gap and Exciton Binding Energy of Two-Dimensional Semiconductors. <i>Physical Review Letters</i> , 2017, 118, 266401.	7.8	173
2	Alkali-Metal-Doped B80 as High-Capacity Hydrogen Storage Media. <i>Journal of Physical Chemistry C</i> , 2008, 112, 19268-19271.	3.1	107
3	Two-dimensional ferromagnetic-ferroelectric multiferroics in violation of the $\sum_{\mathbf{k}} \mathbf{d}(\mathbf{k}) = 0$ rule. <i>Physical Review B</i> , 2019, 99, .	3.2	25
4	Dirac Fermions in Strongly Bound Graphene Systems. <i>Physical Review Letters</i> , 2012, 109, 206802.	7.8	53
5	High-Yield Formation of Graphdiyne Macrocycles through On-Surface Assembling and Coupling Reaction. <i>ACS Nano</i> , 2018, 12, 12612-12618.	14.6	35
6	Spin-Triplet Excitonic Insulator: The Case of Semihydrogenated Graphene. <i>Physical Review Letters</i> , 2020, 124, 166401.	7.8	35
7	Dirac fermions in blue-phosphorus. <i>2D Materials</i> , 2014, 1, 031002.	4.4	34
8	Half-Excitonic Insulator: A Single-Spin Bose-Einstein Condensate. <i>Physical Review Letters</i> , 2019, 122, 236402.	7.8	29
9	Realizing an intrinsic excitonic insulator by decoupling exciton binding energy from the minimum band gap. <i>Physical Review B</i> , 2018, 98, .	3.2	25
10	Ab initio Study of Half-Metallicity and Magnetism of Complex Organometallic Molecular Wires. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7292-7297.	3.1	19
11	Trends in charge transfer and spin alignment of metallocene on graphene. <i>Physical Review B</i> , 2011, 83, .	3.2	15
12	Interface engineering of epitaxial graphene on SiC(0001 $\bar{A}$ ) via fluorine intercalation: A first principles study. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	14
13	Excitonic instability and electronic properties of AlSb in the two-dimensional limit. <i>Physical Review B</i> , 2021, 104, .	3.2	9
14	Effect of Hartree-Fock pseudopotentials on local density functional theory calculations. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 18844-18849.	2.8	8
15	Understanding the origin of bandgap problem in transition and post-transition metal oxides. <i>Journal of Chemical Physics</i> , 2019, 151, 124703.	3.0	8
16	First-principles study of hydrogenated carbon nanotubes: A promising route for bilayer graphene nanoribbons. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	7
17	Transition from band insulator to excitonic insulator via alloying Se into monolayer $\text{TiS}_3$ : A computational study. <i>Physical Review B</i> , 2020, 102, .	3.2	6
18	Electronic and magnetic properties of early transition-metal substituted iron-cyclopentadienyl sandwich molecular wires: Parity-dependent half-metallicity. <i>Journal of Chemical Physics</i> , 2011, 135, 014702.	3.0	5

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19	Electric-field-driven excitonic instability in an organometallic manganese-cyclopentadienyl wire. <i>Physical Review B</i> , 2021, 104, .	3.2	4
20	Accuracy trade-off between one-electron and excitonic spectra of cuprous halides in first-principles calculations. <i>Journal of Chemical Physics</i> , 2021, 154, 134704.	3.0	3