

Dawei Zhai

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

339
citations

1040056

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1125743

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13
all docs

13
docs citations

13
times ranked

505
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning the Pseudospin Polarization of Graphene by a Pseudomagnetic Field. Nano Letters, 2017, 17, 2240-2245.	9.1	113
2	Experimental Observation of Giant Chiroptical Amplification of Small Chiral Molecules by Gold Nanosphere Clusters. Journal of Physical Chemistry C, 2014, 118, 9690-9695.	3.1	77
3	Local versus extended deformed graphene geometries for valley filtering. Physical Review B, 2018, 98, .	3.2	37
4	Theory of tunable flux lattices in the homobilayer moiré of twisted and uniformly strained transition metal dichalcogenides. Physical Review Materials, 2020, 4, .	2.4	20
5	Plasmonic polymers with strong chiroptical response for sensing molecular chirality. Nanoscale, 2015, 7, 10690-10698.	5.6	19
6	Electron dynamics in strained graphene. Modern Physics Letters B, 2019, 33, 1930001.	1.9	16
7	Giant optical activity from the radiative electromagnetic interactions in plasmonic nanoantennas. Nanoscale, 2013, 5, 3889.	5.6	12
8	Linking interlayer twist angle to geometrical parameters of self-assembled folded graphene structures. 2D Materials, 2019, 6, 015021.	4.4	12
9	Twist versus heterostrain control of optical properties of moiré exciton minibands. 2D Materials, 2021, 8, 044016.	4.4	11
10	Layer Pseudospin Dynamics and Genuine Non-Abelian Berry Phase in Inhomogeneously Strained Moiré Pattern. Physical Review Letters, 2020, 125, 266404.	7.8	9
11	Sublattice symmetry breaking and Kondo-effect enhancement in strained graphene. Physical Review B, 2019, 99, .	3.2	8
12	Ultrafast control of moiré pseudo-electromagnetic field in homobilayer semiconductors. Natural Sciences, 2022, 2, .	2.1	3
13	Anomalous Magneto-Optical Response and Chiral Interface of Dipolar Excitons at Twisted Valleys. Nano Letters, 2022, 22, 5466-5472.	9.1	2