Xiaodong Fan

List of Publications by Year in descending order

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21	862	1040056 9	677142 22
papers	citations	h-index	g-index

22	22	22	1904
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spontaneous Folding Growth of Graphene on h-BN. Nano Letters, 2021, 21, 2033-2039.	9.1	11
2	Butterfly-Like Anisotropic Magnetoresistance and Angle-Dependent Berry Phase in a Type-II Weyl Semimetal WP₂. Chinese Physics Letters, 2020, 37, 090301.	3.3	7
3	Room-Temperature Anisotropic Plasma Mirror and Polarization-Controlled Optical Switch Based on Type-II Weyl Semimetal WP2. Physical Review Applied, 2020, 13, .	3.8	4
4	Frictional Drag Effect between Massless and Massive Fermions in Single-Layer/Bilayer Graphene Heterostructures. Nano Letters, 2020, 20, 1396-1402.	9.1	6
5	MoirÃ© engineering of electronic phenomena in correlated oxides. Nature Physics, 2020, 16, 631-635.	16.7	40
6	Atomically flat and thermally stable graphene on Si(111) with preserved intrinsic electronic properties. Nanoscale, 2018, 10, 8377-8384.	5.6	4
7	Quantum Control of Graphene Plasmon Excitation and Propagation at Heaviside Potential Steps. Nano Letters, 2018, 18, 1373-1378.	9.1	10
8	Gate Switching of Ultrafast Photoluminescence in Graphene. Nano Letters, 2018, 18, 7985-7990.	9.1	23
9	High-Pressure Phase Transition of Micro- and Nanoscale HoVO₄ and High-Pressure Phase Diagram of REVO₄ with RE Ionic Radius. ACS Omega, 2018, 3, 18227-18233.	3.5	7
10	Gate-tunable third-order nonlinear optical response of massless Dirac fermions in graphene. Nature Photonics, 2018, 12, 430-436.	31.4	194
11	Nano-imaging of an edge-excited plasmon mode in graphene. Nanoscale, 2018, 10, 16314-16320.	5.6	9
12	Manipulation of electronic phases in Au-nanodots-decorated manganite films by laser illumination. Physical Review Materials, 2018, 2, .	2.4	2
13	Quantum Percolation and Magnetic Nanodroplet States in Electronically Phase-Separated Manganite Nanowires. Nano Letters, 2017, 17, 1461-1466.	9.1	9
14	Substantially enhanced carrier mobility in graphene in proximity to ferromagnetic insulator EuS. Applied Physics Express, 2017, 10, 055103.	2.4	5
15	Substantially Enhancing Quantum Coherence of Electrons in Graphene via Electron-Plasmon Coupling. Physical Review Letters, 2017, 119, 156803.	7.8	6
16	Photoconductivity of Graphene in Proximity to<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>La</mml:mi><mml:msub><mml:mrow><mml:mi>AlO</mml:mi></mml:mrow><mml:mrow><mm Phenomenon and Photosensor Applications. Physical Review Applied, 2016, 6, .	3.8	5
17	Highly anisotropic hybridization, dispersion, damping, and propagation of quantum plasmons in graphene superlattices. Physical Review B, 2014, 90, .	3.2	3
18	Controlled Ambipolar Tuning and Electronic Superlattice Fabrication of Graphene via Optical Gating. Advanced Materials, 2014, 26, 3735-3740.	21.0	26

#	Article	IF	Citations
19	Drastic reduction in the growth temperature of graphene on copper via enhanced London dispersion force. Scientific Reports, 2013, 3, 1925.	3.3	62
20	Graphene Thickness Control via Gas-Phase Dynamics in Chemical Vapor Deposition. Journal of Physical Chemistry C, 2012, 116, 10557-10562.	3.1	70
21	Low-Temperature Growth of Graphene by Chemical Vapor Deposition Using Solid and Liquid Carbon Sources. ACS Nano, 2011, 5, 3385-3390.	14.6	353