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	Low-Temperature Growth of Graphene by Chemical Vapor Deposition Using Solid and Liquid Carbon Sources. ACS Nano, 2011, 5, 3385-3390.	14.6	353
2	Gate-tunable third-order nonlinear optical response of massless Dirac fermions in graphene. Nature Photonics, 2018, 12, 430-436.	31.4	194
3	Graphene Thickness Control via Gas-Phase Dynamics in Chemical Vapor Deposition. Journal of Physical Chemistry C, 2012, 116, 10557-10562.	3.1	70
4	Drastic reduction in the growth temperature of graphene on copper via enhanced London dispersion force. Scientific Reports, 2013, 3, 1925.	3.3	62
5	MoirÃ© engineering of electronic phenomena in correlated oxides. Nature Physics, 2020, 16, 631-635.	16.7	40
6	Controlled Ambipolar Tuning and Electronic Superlattice Fabrication of Graphene via Optical Gating. Advanced Materials, 2014, 26, 3735-3740.	21.0	26
7	Gate Switching of Ultrafast Photoluminescence in Graphene. Nano Letters, 2018, 18, 7985-7990.	9.1	23
8	Spontaneous Folding Growth of Graphene on h-BN. Nano Letters, 2021, 21, 2033-2039.	9.1	11
9	Quantum Control of Graphene Plasmon Excitation and Propagation at Heaviside Potential Steps. Nano Letters, 2018, 18, 1373-1378.	9.1	10
10	Quantum Percolation and Magnetic Nanodroplet States in Electronically Phase-Separated Manganite Nanowires. Nano Letters, 2017, 17, 1461-1466.	9.1	9
11	Nano-imaging of an edge-excited plasmon mode in graphene. Nanoscale, 2018, 10, 16314-16320.	5.6	9
12	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
13	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
14	Substantially Enhancing Quantum Coherence of Electrons in Graphene via Electron-Plasmon Coupling. Physical Review Letters, 2017, 119, 156803.	7.8	6
15	Frictional Drag Effect between Massless and Massive Fermions in Single-Layer/Bilayer Graphene Heterostructures. Nano Letters, 2020, 20, 1396-1402.	9.1	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	Substantially enhanced carrier mobility in graphene in proximity to ferromagnetic insulator EuS. Applied Physics Express, 2017, 10, 055103.	2.4	5
18	Atomically flat and thermally stable graphene on Si(111) with preserved intrinsic electronic properties. Nanoscale, 2018, 10, 8377-8384.	5.6	4

#	Article	IF	Citations
19	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
20	Highly anisotropic hybridization, dispersion, damping, and propagation of quantum plasmons in graphene superlattices. Physical Review B, 2014, 90, .	3.2	3
21	Manipulation of electronic phases in Au-nanodots-decorated manganite films by laser illumination. Physical Review Materials, 2018, 2, .	2.4	2