

# Stiven Forti

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

2,395  
citations

236612

25  
h-index

205818

48  
g-index

57  
all docs

57  
docs citations

57  
times ranked

3399  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-clean high-mobility graphene on technologically relevant substrates. <i>Nanoscale</i> , 2022, 14, 2167-2176.	2.8	22
2	Ultrafast hot carrier transfer in WS <sub>2</sub> /graphene large area heterostructures. <i>Npj 2D Materials and Applications</i> , 2022, 6, .	3.9	17
3	Thermal stability of monolayer WS <sub>2</sub> in BEOL conditions. <i>JPhys Materials</i> , 2021, 4, 024002.	1.8	7
4	Stacking Relations and Substrate Interaction of Graphene on Copper Foil. <i>Advanced Materials Interfaces</i> , 2021, 8, 2002025.	1.9	4
5	Synthesis of Large-Scale Monolayer 1Tâ€²-MoTe <sub>2</sub> and Its Stabilization <i>via</i> Scalable hBN Encapsulation. <i>ACS Nano</i> , 2021, 15, 4213-4225.	7.3	61
6	Ultrafast Charge Separation in Bilayer WS <sub>2</sub> /Graphene Heterostructure Revealed by Time- and Angle-Resolved Photoemission Spectroscopy. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	9
7	Synthesis of large-area rhombohedral few-layer graphene by chemical vapor deposition on copper. <i>Carbon</i> , 2021, 177, 282-290.	5.4	22
8	Black Phosphorus n-Type Doping by Cu: A Microscopic Surface Investigation. <i>Journal of Physical Chemistry C</i> , 2021, 125, 13477-13484.	1.5	7
9	Survival of Floquetâ€™ Bloch States in the Presence of Scattering. <i>Nano Letters</i> , 2021, 21, 5028-5035.	4.5	41
10	Local Optical Properties in CVD-Grown Monolayer WS <sub>2</sub> Flakes. <i>Journal of Physical Chemistry C</i> , 2021, 125, 16059-16065.	1.5	21
11	Temperature-Dependent Bending Rigidity of AB -Stacked Bilayer Graphene. <i>Physical Review Letters</i> , 2021, 127, 266102.	2.9	3
12	Microscopic Understanding of Ultrafast Charge Transfer in van der Waals Heterostructures. <i>Physical Review Letters</i> , 2021, 127, 276401.	2.9	13
13	Editorial: Optoelectronic Properties of Two-Dimensional Systems. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	0
14	Deterministic direct growth of WS <sub>2</sub> on CVD graphene arrays. <i>2D Materials</i> , 2020, 7, 014002.	2.0	17
15	Stressâ€™ strain in electron-beam activated polymeric micro-actuators. <i>Journal of Applied Physics</i> , 2020, 128, 115104.	1.1	3
16	Ultrafast, Zero-Bias, Graphene Photodetectors with Polymeric Gate Dielectric on Passive Photonic Waveguides. <i>ACS Nano</i> , 2020, 14, 11190-11204.	7.3	48
17	Epitaxial Growth of Wafer-Scale Molybdenum Disulfide/Graphene Heterostructures by Metalâ€™Organic Vapor-Phase Epitaxy and Their Application in Photodetectors. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 44335-44344.	4.0	28
18	Scanning Probe Spectroscopy of WS <sub>2</sub> /Graphene Van Der Waals Heterostructures. <i>Nanomaterials</i> , 2020, 10, 2494.	1.9	4

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19	Hydrogen-Intercalated Graphene on SiC as Platform for Hybrid Superconductor Devices. <i>Advanced Quantum Technologies</i> , 2020, 3, 2000082.	1.8	4
20	Direct evidence for efficient ultrafast charge separation in epitaxial WS <sub>2</sub> /graphene heterostructures. <i>Science Advances</i> , 2020, 6, eaay0761.	4.7	64
21	Semiconductor to metal transition in two-dimensional gold and its van der Waals heterostack with graphene. <i>Nature Communications</i> , 2020, 11, 2236.	5.8	52
22	Optical dielectric function of two-dimensional WS <sub>2</sub> on epitaxial graphene. <i>2D Materials</i> , 2020, 7, 025024.	2.0	10
23	Production and processing of graphene and related materials. <i>2D Materials</i> , 2020, 7, 022001.	2.0	333
24	Edge Defects Promoted Oxidation of Monolayer WS <sub>2</sub> Synthesized on Epitaxial Graphene. <i>Journal of Physical Chemistry C</i> , 2020, 124, 9035-9044.	1.5	22
25	30°-Twisted Bilayer Graphene Quasicrystals from Chemical Vapor Deposition. <i>Nano Letters</i> , 2020, 20, 3313-3319.	4.5	60
26	Back Cover: Hydrogen-Intercalated Graphene on SiC as Platform for Hybrid Superconductor Devices (Adv. Quantum Technol. 12/2020). <i>Advanced Quantum Technologies</i> , 2020, 3, 2070123.	1.8	0
27	Weak localization measurements of electronic scattering rates in Li-doped epitaxial graphene. <i>Physical Review B</i> , 2019, 100, .	1.1	4
28	Wafer-Scale Synthesis of Graphene on Sapphire: Toward Fab-Compatible Graphene. <i>Small</i> , 2019, 15, e1904906.	5.2	61
29	Local tuning of WS <sub>2</sub> photoluminescence using polymeric micro-actuators in a monolithic van der Waals heterostructure. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	9
30	Introducing strong correlation effects into graphene by gadolinium intercalation. <i>Physical Review B</i> , 2019, 100, .	1.1	55
31	Fab-Compatible Graphene: Wafer-Scale Synthesis of Graphene on Sapphire: Toward Fab-Compatible Graphene (Small 50/2019). <i>Small</i> , 2019, 15, 1970273.	5.2	2
32	STM study of exfoliated few layer black phosphorus annealed in ultrahigh vacuum. <i>2D Materials</i> , 2019, 6, 015005.	2.0	14
33	Patterned tungsten disulfide/graphene heterostructures for efficient multifunctional optoelectronic devices. <i>Nanoscale</i> , 2018, 10, 4332-4338.	2.8	28
34	Superlubricity of epitaxial monolayer WS <sub>2</sub> on graphene. <i>Nano Research</i> , 2018, 11, 5946-5956.	5.8	58
35	Electronic properties of single-layer tungsten disulfide on epitaxial graphene on silicon carbide. <i>Nanoscale</i> , 2017, 9, 16412-16419.	2.8	39
36	Mini-Dirac cones in the band structure of a copper intercalated epitaxial graphene superlattice. <i>2D Materials</i> , 2016, 3, 035003.	2.0	30

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37	Intercalation of graphene on SiC(0001) via ion implantation. <i>Physical Review B</i> , 2016, 94, .	1.1	23
38	Alkali doping of graphene: The crucial role of high-temperature annealing. <i>Physical Review B</i> , 2016, 94, .	1.1	10
39	Ballistic bipolar junctions in chemically gated graphene ribbons. <i>Scientific Reports</i> , 2015, 5, 9955.	1.6	22
40	Evidence for superconductivity in Li-decorated monolayer graphene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11795-11799.	3.3	269
41	Revealing the electronic band structure of quasi-free trilayer graphene on SiC(0001). <i>Materials Research Society Symposia Proceedings</i> , 2014, 1693, 159.	0.1	3
42	Bipolar gating of epitaxial graphene by intercalation of Ge. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	31
43	Epitaxial graphene on SiC: from carrier density engineering to quasi-free standing graphene by atomic intercalation. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 094013.	1.3	50
44	Local transport measurements on epitaxial graphene. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	23
45	Revealing the atomic structure of the buffer layer between SiC(0 0 0 1) and epitaxial graphene. <i>Carbon</i> , 2013, 51, 249-254.	5.4	135
46	Revealing the electronic band structure of trilayer graphene on SiC: An angle-resolved photoemission study. <i>Physical Review B</i> , 2013, 88, .	1.1	73
47	Adatoms and Clusters of $3d$ Transition Metals on Graphene: Electronic and Magnetic Configurations. <i>Physical Review Letters</i> , 2013, 110, 136804.	2.9	159
48	Influence of the degree of decoupling of graphene on the properties of transition metal adatoms. <i>Physical Review B</i> , 2013, 87, .	1.1	41
49	Manipulation of plasmon electron-hole coupling in quasi-free-standing epitaxial graphene layers. <i>New Journal of Physics</i> , 2012, 14, 103045.	1.2	13
50	Engineering the electronic structure of epitaxial graphene by transfer doping and atomic intercalation. <i>MRS Bulletin</i> , 2012, 37, 1177-1186.	1.7	44
51	Orbital selective coupling between Ni adatoms and graphene Dirac electrons. <i>Physical Review B</i> , 2012, 85, .	1.1	27
52	Large-area homogeneous quasifree standing epitaxial graphene on SiC(0001): Electronic and structural characterization. <i>Physical Review B</i> , 2011, 84, .	1.1	103
53	Ambipolar doping in quasifree epitaxial graphene on SiC(0001) controlled by Ge intercalation. <i>Physical Review B</i> , 2011, 84, .	1.1	164
54	Controlled Polymorphism in Titanyl Phthalocyanine on Mica by Hyperthermal Beams: A Micro-Raman Analysis. <i>Journal of Physical Chemistry C</i> , 2010, 114, 7038-7044.	1.5	21

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55	Case studies of electrical characterisation of graphene by terahertz time-domain spectroscopy. 2D Materials, 0, , .	2.0	11