Zhang, Qicheng

List of Publications by Year
in descending order

17	817	687363 13	888059 17
papers	citations	h-index	g-index

17	17	17	1871
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gigahertz topological valley Hall effect in nanoelectromechanical phononic crystals. Nature Electronics, 2022, 5, 157-163.	26.0	37
2	Rapid Growth of Monolayer MoSe₂ Films for Largeâ€Area Electronics. Advanced Electronic Materials, 2021, 7, 2001219.	5.1	14
3	Quantum-Well Bound States in Graphene Heterostructure Interfaces. Physical Review Letters, 2021, 127, 086805.	7.8	5
4	Large-area epitaxial growth of curvature-stabilized ABC trilayer graphene. Nature Communications, 2020, 11, 546.	12.8	47
5	Controlled Growth of Large-Area Bilayer Tungsten Diselenides with Lateral Pâ€“N Junctions. ACS Nano, 2019, 13, 10490-10498.	14.6	39
6	Edge-Epitaxial Growth of Graphene on Cu with a Hydrogen-Free Approach. Chemistry of Materials, 2019, 31, 2555-2562.	6.7	19
7	Crystalline Bilayer Graphene with Preferential Stacking from Niâ€“Cu Gradient Alloy. ACS Nano, 2018, 12, 2275-2282.	14.6	43
8	Detection of Sub-fM DNA with Target Recycling and Self-Assembly Amplification on Graphene Field-Effect Biosensors. Nano Letters, 2018, 18, 3509-3515.	9.1	82
9	Regulating Topâ€Surface Multilayer/Singleâ€Crystal Graphene Growth by â€œGetteringâ€•Carbon Diffusion at Backside of the Copper Foil. Advanced Functional Materials, 2017, 27, 1700121.	14.9	35
10	Concurrent fast growth of sub-centimeter single-crystal graphene with controlled nucleation density in a confined channel. Nanoscale, 2017, 9, 9631-9640.	5.6	17
11	Single-probe multistate detection of DNA via aggregation-induced emission on a graphene oxide platform. Acta Biomaterialia, 2017, 50, 334-343.	8.3	31
12	Synthesis and Physical Properties of Phase-Engineered Transition Metal Dichalcogenide Monolayer Heterostructures. ACS Nano, 2017, 11, 8619-8627.	14.6	42
13	Recoil Effect and Photoemission Splitting of Trions in Monolayer MoS₂. ACS Nano, 2017, 11, 10808-10815.	14.6	11
14	Polymer-Embedded Fabrication of Co₂P Nanoparticles Encapsulated in N,P-Doped Graphene for Hydrogen Generation. Nano Letters, 2016, 16, 4691-4698.	9.1	306
15	Stacking-Mode-Induced Reactivity Enhancement for Twisted Bilayer Graphene. Chemistry of Materials, 2016, 28, 1034-1039.	6.7	35
16	Detaching graphene from copper substrate by oxidation-assisted water intercalation. Carbon, 2016, 98, 138-143.	10.3	49
17	A pentacene monolayer trapped between graphene and a substrate. Nanoscale, 2015, 7, 14663-14668.	5.6	5