

Qingkai Yu

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

4,713
citations

430874

18
h-index

642732

23
g-index

25
all docs

25
docs citations

25
times ranked

8790
citing authors

#	ARTICLE	IF	CITATIONS
1	Control and characterization of individual grains and grain boundaries in graphene grown by chemical vapour deposition. <i>Nature Materials</i> , 2011, 10, 443-449.	27.5	1,356
2	Graphene segregated on Ni surfaces and transferred to insulators. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	1,116
3	Efficient solar water-splitting using a nanocrystalline CoO photocatalyst. <i>Nature Nanotechnology</i> , 2014, 9, 69-73.	31.5	764
4	Fast growth of inch-sized single-crystalline graphene from a controlled single nucleus on Cu-Ni alloys. <i>Nature Materials</i> , 2016, 15, 43-47.	27.5	515
5	Extreme Light Management in Mesoporous Wood Cellulose Paper for Optoelectronics. <i>ACS Nano</i> , 2016, 10, 1369-1377.	14.6	161
6	Patterning Metallic Nanostructures by Ion-Beam-Induced Dewetting and Rayleigh Instability. <i>Nano Letters</i> , 2006, 6, 1047-1052.	9.1	133
7	Revealing the Origin of Luminescence Center in 0D Cs ₄ PbBr ₆ Perovskite. <i>Chemistry of Materials</i> , 2019, 31, 9098-9104.	6.7	93
8	Large-scale graphitic thin films synthesized on Ni and transferred to insulators: Structural and electronic properties. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	83
9	Extrinsic Green Photoluminescence from the Edges of 2D Cesium Lead Halides. <i>Advanced Materials</i> , 2019, 31, e1902492.	21.0	75
10	Mechanism of Horizontally Aligned Growth of Single-Wall Carbon Nanotubes on R-Plane Sapphire. <i>Journal of Physical Chemistry B</i> , 2006, 110, 22676-22680.	2.6	58
11	High-quality graphene directly grown on Cu nanoparticles for Cu-graphene nanocomposites. <i>Materials and Design</i> , 2018, 139, 181-187.	7.0	58
12	Spontaneous Formation of 2D/3D Heterostructures on the Edges of 2D Ruddlesden-Popper Hybrid Perovskite Crystals. <i>Chemistry of Materials</i> , 2020, 32, 5009-5015.	6.7	45
13	Continuous Production of Graphite Nanosheets by Bubbling Chemical Vapor Deposition Using Molten Copper. <i>Chemistry of Materials</i> , 2017, 29, 8404-8411.	6.7	40
14	Large-Area Graphene Electrodes: Using CVD to facilitate applications in commercial touchscreens, flexible nanoelectronics, and neural interfaces. <i>IEEE Nanotechnology Magazine</i> , 2015, 9, 6-14.	1.3	38
15	New Strategy for Black Phosphorus Crystal Growth through Ternary Clathrate. <i>Crystal Growth and Design</i> , 2017, 17, 6579-6585.	3.0	38
16	Thermoelectric power of graphene as surface charge doping indicator. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	35
17	Room-temperature NH ₃ gas sensors based on Ag-doped ¹³ Fe ₂ O ₃ /SiO ₂ composite films with sub-ppm detection ability. <i>Journal of Hazardous Materials</i> , 2015, 298, 154-161.	12.4	33
18	Inkjet Printed Flexible Biosensor Based on Graphene Field Effect Transistor. <i>IEEE Sensors Journal</i> , 2016, 16, 1-1.	4.7	28

#	ARTICLE	IF	CITATIONS
19	Room-temperature Fano resonance tunable by chemical doping in few-layer graphene synthesized by chemical-vapor deposition. <i>Physical Review B</i> , 2010, 82, .	3.2	16
20	Interfacial separation and electrochemical delamination of CVD grown multilayer graphene for recyclable use of Cu powder. <i>RSC Advances</i> , 2016, 6, 24865-24870.	3.6	11
21	Horizontally aligned Cu ₅ Si polycrystalline nanorods on Si. <i>Applied Physics Letters</i> , 2008, 92, 253113.	3.3	6
22	Graphene: Growth of Single Crystal Graphene Arrays by Locally Controlling Nucleation on Polycrystalline Cu Using Chemical Vapor Deposition (<i>Adv. Mater.</i> 42/2011). <i>Advanced Materials</i> , 2011, 23, 4897-4897.	21.0	4
23	High mobility ambipolar field effect transistors made from large-scale CVD graphitic thin films. , 2009, , .		2
24	Enhanced fano-like phonon resonance in heavily doped graphene. , 2011, , .		0