

Da Luo

List of Publications by Year in descending order

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33
papers

2,669
citations

331259

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docs citations

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times ranked

4669
citing authors

#	ARTICLE	IF	CITATIONS
1	Folding and Fracture of Single-Crystal Graphene Grown on a Cu(111) Foil. <i>Advanced Materials</i> , 2022, 34, e2110509.	11.1	11
2	Silica Particle-Mediated Growth of Single Crystal Graphene Ribbons on Cu(111) Foil. <i>Small</i> , 2022, , 2202536.	5.2	1
3	Synthesis of Large-Area Single-Crystal Graphene. <i>Trends in Chemistry</i> , 2021, 3, 15-33.	4.4	27
4	The Wet-Oxidation of a Cu(111) Foil Coated by Single Crystal Graphene. <i>Advanced Materials</i> , 2021, 33, e2102697.	11.1	17
5	Single-crystal, large-area, fold-free monolayer graphene. <i>Nature</i> , 2021, 596, 519-524.	13.7	205
6	Mapping Graphene Grain Orientation by the Growth of WS ₂ Films with Oriented Cracks. <i>Chemistry of Materials</i> , 2020, 32, 7484-7491.	3.2	3
7	Fermi velocity renormalization in graphene probed by terahertz time-domain spectroscopy. <i>2D Materials</i> , 2020, 7, 035009.	2.0	23
8	Centimeter-Scale and Highly Crystalline Two-Dimensional Alcohol: Evidence for Graphenol (C ₆ H ₅ OH). <i>Nano Letters</i> , 2020, 20, 2107-2112.	4.5	5
9	Reference-free THz-TDS conductivity analysis of thin conducting films. <i>Optics Express</i> , 2020, 28, 28819.	1.7	19
10	Adlayer-Free Large-Area Single Crystal Graphene Grown on a Cu(111) Foil. <i>Advanced Materials</i> , 2019, 31, e1903615.	11.1	89
11	Effect of Copper Substrate Surface Orientation on the Reductive Functionalization of Graphene. <i>Chemistry of Materials</i> , 2019, 31, 8639-8648.	3.2	6
12	Do-It-Yourself Transfer of Large-Area Graphene Using an Office Laminator and Water. <i>Chemistry of Materials</i> , 2019, 31, 2328-2336.	3.2	71
13	Graphitization of graphene oxide films under pressure. <i>Carbon</i> , 2018, 132, 294-303.	5.4	84
14	Orientation-Dependent Strain Relaxation and Chemical Functionalization of Graphene on a Cu(111) Foil. <i>Advanced Materials</i> , 2018, 30, 1706504.	11.1	60
15	Colossal grain growth yields single-crystal metal foils by contact-free annealing. <i>Science</i> , 2018, 362, 1021-1025.	6.0	158
16	Highly Oriented Monolayer Graphene Grown on a Cu/Ni(111) Alloy Foil. <i>ACS Nano</i> , 2018, 12, 6117-6127.	7.3	132
17	Camphor-Enabled Transfer and Mechanical Testing of Centimeter-Scale Ultrathin Films. <i>Advanced Materials</i> , 2018, 30, e1800888.	11.1	32
18	Identification of Audio Processing Operations Based on Convolutional Neural Network. , 2018, , .		5

#	ARTICLE	IF	CITATIONS
19	What Drives Metal-Surface Step Bunching in Graphene Chemical Vapor Deposition?. Physical Review Letters, 2018, 120, 246101.	2.9	52
20	Preparation of horizontally aligned single-walled carbon nanotubes with floating catalyst. Science China Chemistry, 2017, 60, 516-520.	4.2	5
21	Role of Graphene in Water-Assisted Oxidation of Copper in Relation to Dry Transfer of Graphene. Chemistry of Materials, 2017, 29, 4546-4556.	3.2	63
22	Controlling the Thickness of Thermally Expanded Films of Graphene Oxide. ACS Nano, 2017, 11, 665-674.	7.3	55
23	Porous Two-Dimensional Monolayer Metal-Organic Framework Material and Its Use for the Size-Selective Separation of Nanoparticles. ACS Applied Materials & Interfaces, 2017, 9, 28107-28116.	4.0	51
24	The dispersion and aggregation of graphene oxide in aqueous media. Nanoscale, 2016, 8, 14587-14592.	2.8	95
25	Targeted Raman Imaging of Cells Using Graphene Oxide-Based Hybrids. Langmuir, 2016, 32, 10253-10258.	1.6	15
26	Interaction of Black Phosphorus with Oxygen and Water. Chemistry of Materials, 2016, 28, 8330-8339.	3.2	436
27	Graphene Oxide as a Multifunctional Platform for Raman and Fluorescence Imaging of Cells. Small, 2015, 11, 3000-3005.	5.2	33
28	Anisotropic Etching of Graphite Flakes with Water Vapor to Produce Armchair-Edged Graphene. Small, 2014, 10, 2809-2814.	5.2	23
29	Growth of Semiconducting Single-Walled Carbon Nanotubes by Using Ceria as Catalyst Supports. Nano Letters, 2014, 14, 512-517.	4.5	80
30	Chirality-specific growth of single-walled carbon nanotubes on solid alloy catalysts. Nature, 2014, 510, 522-524.	13.7	677
31	Diameter-controlled growth of aligned single-walled carbon nanotubes on quartz using molecular nanoclusters as catalyst precursors. Science Bulletin, 2013, 58, 433-439.	1.7	16
32	Cell imaging by graphene oxide based on surface enhanced Raman scattering. Nanoscale, 2012, 4, 7084.	2.8	109
33	Case studies of electrical characterisation of graphene by terahertz time-domain spectroscopy. 2D Materials, 0, , .	2.0	11