

# Da Luo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6763757/publications.pdf>

Version: 2024-02-01

33  
papers

2,669  
citations

331259

21  
h-index

433756

31  
g-index

33  
all docs

33  
docs citations

33  
times ranked

4669  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chirality-specific growth of single-walled carbon nanotubes on solid alloy catalysts. <i>Nature</i> , 2014, 510, 522-524.	13.7	677
2	Interaction of Black Phosphorus with Oxygen and Water. <i>Chemistry of Materials</i> , 2016, 28, 8330-8339.	3.2	436
3	Single-crystal, large-area, fold-free monolayer graphene. <i>Nature</i> , 2021, 596, 519-524.	13.7	205
4	Colossal grain growth yields single-crystal metal foils by contact-free annealing. <i>Science</i> , 2018, 362, 1021-1025.	6.0	158
5	Highly Oriented Monolayer Graphene Grown on a Cu/Ni(111) Alloy Foil. <i>ACS Nano</i> , 2018, 12, 6117-6127.	7.3	132
6	Cell imaging by graphene oxide based on surface enhanced Raman scattering. <i>Nanoscale</i> , 2012, 4, 7084.	2.8	109
7	The dispersion and aggregation of graphene oxide in aqueous media. <i>Nanoscale</i> , 2016, 8, 14587-14592.	2.8	95
8	Large Area Single Crystal Graphene Grown on a Cu(111) Foil. <i>Advanced Materials</i> , 2019, 31, e1903615.	11.1	89
9	Graphitization of graphene oxide films under pressure. <i>Carbon</i> , 2018, 132, 294-303.	5.4	84
10	Growth of Semiconducting Single-Walled Carbon Nanotubes by Using Ceria as Catalyst Supports. <i>Nano Letters</i> , 2014, 14, 512-517.	4.5	80
11	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
12	Role of Graphene in Water-Assisted Oxidation of Copper in Relation to Dry Transfer of Graphene. <i>Chemistry of Materials</i> , 2017, 29, 4546-4556.	3.2	63
13	Orientation-Dependent Strain Relaxation and Chemical Functionalization of Graphene on a Cu(111) Foil. <i>Advanced Materials</i> , 2018, 30, 1706504.	11.1	60
14	Controlling the Thickness of Thermally Expanded Films of Graphene Oxide. <i>ACS Nano</i> , 2017, 11, 665-674.	7.3	55
15	What Drives Metal-Surface Step Bunching in Graphene Chemical Vapor Deposition?. <i>Physical Review Letters</i> , 2018, 120, 246101.	2.9	52
16	Porous Two-Dimensional Monolayer Metal-Organic Framework Material and Its Use for the Size-Selective Separation of Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 28107-28116.	4.0	51
17	Graphene Oxide as a Multifunctional Platform for Raman and Fluorescence Imaging of Cells. <i>Small</i> , 2015, 11, 3000-3005.	5.2	33
18	Camphor-Enabled Transfer and Mechanical Testing of Centimeter-Scale Ultrathin Films. <i>Advanced Materials</i> , 2018, 30, e1800888.	11.1	32

#	ARTICLE	IF	CITATIONS
19	Synthesis of Large-Area Single-Crystal Graphene. Trends in Chemistry, 2021, 3, 15-33.	4.4	27
20	Anisotropic Etching of Graphite Flakes with Water Vapor to Produce Armchair-Edged Graphene. Small, 2014, 10, 2809-2814.	5.2	23
21	Fermi velocity renormalization in graphene probed by terahertz time-domain spectroscopy. 2D Materials, 2020, 7, 035009.	2.0	23
22	Reference-free THz-TDS conductivity analysis of thin conducting films. Optics Express, 2020, 28, 28819.	1.7	19
23	The Wet-Oxidation of a Cu(111) Foil Coated by Single Crystal Graphene. Advanced Materials, 2021, 33, e2102697.	11.1	17
24	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
25	Targeted Raman Imaging of Cells Using Graphene Oxide-Based Hybrids. Langmuir, 2016, 32, 10253-10258.	1.6	15
26	Case studies of electrical characterisation of graphene by terahertz time-domain spectroscopy. 2D Materials, 0, , .	2.0	11
27	Folding and Fracture of Single-Crystal Graphene Grown on a Cu(111) Foil. Advanced Materials, 2022, 34, e2110509.	11.1	11
28	Effect of Copper Substrate Surface Orientation on the Reductive Functionalization of Graphene. Chemistry of Materials, 2019, 31, 8639-8648.	3.2	6
29	Preparation of horizontally aligned single-walled carbon nanotubes with floating catalyst. Science China Chemistry, 2017, 60, 516-520.	4.2	5
30	Identification of Audio Processing Operations Based on Convolutional Neural Network. , 2018, , .		5
31	Centimeter-Scale and Highly Crystalline Two-Dimensional Alcohol: Evidence for Graphenol (C <sub>6</sub> H <sub>6</sub> O). Nano Letters, 2020, 20, 2107-2112.	4.5	5
32	Mapping Graphene Grain Orientation by the Growth of WS <sub>2</sub> Films with Oriented Cracks. Chemistry of Materials, 2020, 32, 7484-7491.	3.2	3
33	Silica Particle-Mediated Growth of Single Crystal Graphene Ribbons on Cu(111) Foil. Small, 2022, , 2202536.	5.2	1