

# Li Lin

## List of Publications by Citations

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89  
papers

3,539  
citations

31  
h-index

59  
g-index

94  
ext. papers

4,456  
ext. citations

14.5  
avg, IF

5.43  
L-index

#	Paper	IF	Citations
89	Roll-to-Roll Encapsulation of Metal Nanowires between Graphene and Plastic Substrate for High-Performance Flexible Transparent Electrodes. <i>Nano Letters</i> , <b>2015</b> , 15, 4206-13	11.5	357
88	Ultrafast epitaxial growth of metre-sized single-crystal graphene on industrial Cu foil. <i>Science Bulletin</i> , <b>2017</b> , 62, 1074-1080	10.6	326
87	Two-Dimensional (CHNH)PbBr Perovskite Crystals for High-Performance Photodetector. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 16612-16615	16.4	273
86	Synthesis challenges for graphene industry. <i>Nature Materials</i> , <b>2019</b> , 18, 520-524	27	217
85	Bridging the Gap between Reality and Ideal in Chemical Vapor Deposition Growth of Graphene. <i>Chemical Reviews</i> , <b>2018</b> , 118, 9281-9343	68.1	160
84	Dirac-source field-effect transistors as energy-efficient, high-performance electronic switches. <i>Science</i> , <b>2018</b> , 361, 387-392	33.3	146
83	State of Doped Phosphorus and Its Influence on the Physicochemical and Photocatalytic Properties of P-doped Titania. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 15502-15509	3.8	131
82	Surface Monocrystallization of Copper Foil for Fast Growth of Large Single-Crystal Graphene under Free Molecular Flow. <i>Advanced Materials</i> , <b>2016</b> , 28, 8968-8974	24	110
81	Towards super-clean graphene. <i>Nature Communications</i> , <b>2019</b> , 10, 1912	17.4	89
80	Selectively enhanced photocurrent generation in twisted bilayer graphene with van Hove singularity. <i>Nature Communications</i> , <b>2016</b> , 7, 10699	17.4	88
79	Surface Engineering of Copper Foils for Growing Centimeter-Sized Single-Crystalline Graphene. <i>ACS Nano</i> , <b>2016</b> , 10, 2922-9	16.7	78
78	Fast Growth and Broad Applications of 25-Inch Uniform Graphene Glass. <i>Advanced Materials</i> , <b>2017</b> , 29, 1603428	24	75
77	Recent Progress on Two-Dimensional Materials. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , <b>2021</b> , 2108017-0	3.8	69
76	Low-Temperature Heteroepitaxy of 2D Pbl /Graphene for Large-Area Flexible Photodetectors. <i>Advanced Materials</i> , <b>2018</b> , 30, e1803194	24	61
75	Uniformly carbon-covered alumina and its surface characteristics. <i>Langmuir</i> , <b>2005</b> , 21, 5040-6	4	58
74	Controlled Growth of Single-Crystal Graphene Films. <i>Advanced Materials</i> , <b>2020</b> , 32, e1903266	24	58
73	Revealing the Contribution of Individual Factors to Hydrogen Evolution Reaction Catalytic Activity. <i>Advanced Materials</i> , <b>2018</b> , 30, e1706076	24	54

72	Graphene-Armored Aluminum Foil with Enhanced Anticorrosion Performance as Current Collectors for Lithium-Ion Battery. <i>Advanced Materials</i> , <b>2017</b> , 29, 1703882	24	53
71	Monodisperse Copper Chalcogenide Nanocrystals: Controllable Synthesis and the Pinning of Plasmonic Resonance Absorption. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 12006-12	16.4	52
70	Rapid Growth of Large Single-Crystalline Graphene via Second Passivation and Multistage Carbon Supply. <i>Advanced Materials</i> , <b>2016</b> , 28, 4671-7	24	52
69	Plasmon-enhanced photothermoelectric conversion in chemical vapor deposited graphene p-n junctions. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 10926-9	16.4	52
68	Clean Transfer of Large Graphene Single Crystals for High-Intactness Suspended Membranes and Liquid Cells. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700639	24	50
67	Plasmonic hot electron tunneling photodetection in vertical Au/graphene hybrid nanostructures. <i>Laser and Photonics Reviews</i> , <b>2017</b> , 11, 1600148	8.3	45
66	Large-Area Synthesis of Superclean Graphene via Selective Etching of Amorphous Carbon with Carbon Dioxide. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 14446-14451	16.4	43
65	Building Large-Domain Twisted Bilayer Graphene with van Hove Singularity. <i>ACS Nano</i> , <b>2016</b> , 10, 6725-306.7	40	
64	Nitrogen cluster doping for high-mobility/conductivity graphene films with millimeter-sized domains. <i>Science Advances</i> , <b>2019</b> , 5, eaaw8337	14.3	39
63	Printable two-dimensional superconducting monolayers. <i>Nature Materials</i> , <b>2021</b> , 20, 181-187	27	38
62	Building graphene p/n junctions for next-generation photodetection. <i>Nano Today</i> , <b>2015</b> , 10, 701-716	17.9	37
61	Composite super-moiré lattices in double-aligned graphene heterostructures. <i>Science Advances</i> , <b>2019</b> , 5, eaay8897	14.3	36
60	Doxorubicin and Indocyanine Green Loaded Hybrid Bicelles for Fluorescence Imaging Guided Synergetic Chemo/Photothermal Therapy. <i>Bioconjugate Chemistry</i> , <b>2017</b> , 28, 2410-2419	6.3	32
59	Electron-Hole Symmetry Breaking in Charge Transport in Nitrogen-Doped Graphene. <i>ACS Nano</i> , <b>2017</b> , 11, 4641-4650	16.7	31
58	A Force-Engineered Lint Roller for Superclean Graphene. <i>Advanced Materials</i> , <b>2019</b> , 31, e1902978	24	31
57	Hetero-site nucleation for growing twisted bilayer graphene with a wide range of twist angles. <i>Nature Communications</i> , <b>2021</b> , 12, 2391	17.4	31
56	Copper-Containing Carbon Feedstock for Growing Superclean Graphene. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 7670-7674	16.4	30
55	Low-Temperature and Rapid Growth of Large Single-Crystalline Graphene with Ethane. <i>Small</i> , <b>2018</b> , 14, 1702916	11	30

54	Large Single-Crystal Cu Foils with High-Index Facets by Strain-Engineered Anomalous Grain Growth. <i>Advanced Materials</i> , <b>2020</b> , 32, e2002034	24	28
53	Fast and uniform growth of graphene glass using confined-flow chemical vapor deposition and its unique applications. <i>Nano Research</i> , <b>2016</b> , 9, 3048-3055	10	28
52	Tuning Chemical Potential Difference across Alternately Doped Graphene p-n Junctions for High-Efficiency Photodetection. <i>Nano Letters</i> , <b>2016</b> , 16, 4094-101	11.5	26
51	Formation of Ag nanoparticle-doped foam-like polymer films at the liquid-liquid interface. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 11113-8	3.4	25
50	Graphene synthesis: On-the-spot growth. <i>Nature Materials</i> , <b>2016</b> , 15, 9-10	27	24
49	Visualizing fast growth of large single-crystalline graphene by tunable isotopic carbon source. <i>Nano Research</i> , <b>2017</b> , 10, 355-363	10	24
48	Sequential coupling transport for the dark current of quantum dots-in-well infrared photodetectors. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 193511	3.4	24
47	Ultrafast Broadband Charge Collection from Clean Graphene/CHNHPbI Interface. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 14952-14957	16.4	21
46	New Growth Frontier: Superclean Graphene. <i>ACS Nano</i> , <b>2020</b> , 14, 10796-10803	16.7	19
45	Low-energy transmission electron diffraction and imaging of large-area graphene. <i>Science Advances</i> , <b>2017</b> , 3, e1603231	14.3	18
44	Chemical Intercalation of Topological Insulator Grid Nanostructures for High-Performance Transparent Electrodes. <i>Advanced Materials</i> , <b>2017</b> , 29, 1703424	24	17
43	Cerasomal Lovastatin Nanohybrids for Efficient Inhibition of Triple-Negative Breast Cancer Stem Cells To Improve Therapeutic Efficacy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 7022-7030	9.5	17
42	Superclean Growth of Graphene Using a Cold-Wall Chemical Vapor Deposition Approach. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 17214-17218	16.4	16
41	Graphene Transfer: Paving the Road for Applications of Chemical Vapor Deposition Graphene. <i>Small</i> , <b>2021</b> , 17, e2007600	11	15
40	Chemically Engineered Substrates for Patternable Growth of Two-Dimensional Chalcogenide Crystals. <i>ACS Nano</i> , <b>2016</b> , 10, 10317-10323	16.7	14
39	One-Step Growth of Graphene/Carbon Nanotube Hybrid Films on Soda-Lime Glass for Transparent Conducting Applications. <i>Advanced Electronic Materials</i> , <b>2017</b> , 3, 1700212	6.4	12
38	Adsorption and porosity properties of carbon-covered alumina surfaces. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2007</b> , 88, 601-606	4.1	12
37	Anisotropy in Shape and Ligand-Conjugation of Hybrid Nanoparticulates Manipulates the Mode of BioNano Interaction and Its Outcome. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1700406	15.6	11

36	Intrinsic Wettability in Pristine Graphene. <i>Advanced Materials</i> , <b>2021</b> , e2103620	24	9
35	2D Hybrid Nanostructured Dirac Materials for Broadband Transparent Electrodes. <i>Advanced Materials</i> , <b>2015</b> , 27, 4315-21	24	8
34	Rapid growth of angle-confined large-domain graphene bicrystals. <i>Nano Research</i> , <b>2017</b> , 10, 1189-1199	10	7
33	Growth of 12-inch uniform monolayer graphene film on molten glass and its application in PbI <sub>2</sub> -based photodetector. <i>Nano Research</i> , <b>2019</b> , 12, 1888-1893	10	6
32	Effect of Pore Size Distribution of Carbon-Covered Alumina on the Preparation of Submicrometer $\gamma$ -Alumina Powders. <i>Journal of the American Ceramic Society</i> , <b>2007</b> , 90, 402-406	3.8	5
31	Effect of carbon content on photocatalytic activity of C/TiO <sub>2</sub> composite. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , <b>2007</b> , 2, 64-69		5
30	Direct growth of wafer-scale highly oriented graphene on sapphire. <i>Science Advances</i> , <b>2021</b> , 7, eabk0115143	14.3	5
29	Epitaxial growth of asymmetrically-doped bilayer graphene for photocurrent generation. <i>Small</i> , <b>2014</b> , 10, 2245-50	11	4
28	CVD Synthesis of Graphene <b>2017</b> , 19-56		4
27	Toward Epitaxial Growth of Misorientation-Free Graphene on Cu(111) Foils.. <i>ACS Nano</i> , <b>2021</b> ,	16.7	4
26	Novel Pd/TiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> Catalysts for Methane Total Oxidation at Low Temperature and Their <sup>18</sup> O-Isotope Exchange Behavior. <i>Chinese Journal of Chemistry</i> , <b>2005</b> , 23, 1333-1338	4.9	3
25	Realization and transport investigation of a single layer-twisted bilayer graphene junction. <i>Carbon</i> , <b>2020</b> , 163, 105-112	10.4	2
24	Transport signatures of relativistic quantum scars in a graphene cavity. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	2
23	Large-Area Synthesis of Superclean Graphene via Selective Etching of Amorphous Carbon with Carbon Dioxide. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 14588-14593	3.6	2
22	An intermediate-band-assisted avalanche multiplication in InAs/InGaAs quantum dots-in-well infrared photodetector. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 073504	3.4	2
21	Efficient Preparation of Submicrometer $\gamma$ -Alumina Powders by Calcining Carbon-Covered Alumina. <i>Journal of the American Ceramic Society</i> , <b>2006</b> , 89, 060623005134006-???	3.8	2
20	Transfer-Enabled Fabrication of Graphene Wrinkle Arrays for Epitaxial Growth of AlN Films. <i>Advanced Materials</i> , <b>2021</b> , e2105851	24	2
19	Toward the commercialization of chemical vapor deposition graphene films. <i>Applied Physics Reviews</i> , <b>2021</b> , 8, 041306	17.3	2

18	Graphene Acoustic Phonon-Mediated Pseudo-Landau Levels Tailoring Probed by Scanning Tunneling Spectroscopy. <i>Small</i> , <b>2020</b> , 16, e1905202	11	2
17	Probe of local impurity states by bend resistance measurements in graphene cross junctions. <i>Nanotechnology</i> , <b>2016</b> , 27, 245204	3.4	2
16	Coulomb-dominated oscillations in a graphene quantum Hall Fabry-Pérot interferometer. <i>Chinese Physics B</i> , <b>2019</b> , 28, 127203	1.2	2
15	Flexible Photodetectors: Low-Temperature Heteroepitaxy of 2D PbI <sub>2</sub> /Graphene for Large-Area Flexible Photodetectors (Adv. Mater. 36/2018). <i>Advanced Materials</i> , <b>2018</b> , 30, 1870271	24	2
14	Superclean Growth of Graphene Using a Cold-Wall Chemical Vapor Deposition Approach. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 17367-17371	3.6	1
13	Charge transport and electron-hole asymmetry in low-mobility graphene/hexagonal boron nitride heterostructures. <i>Journal of Applied Physics</i> , <b>2018</b> , 123, 064303	2.5	1
12	Low-field magnetotransport in graphene cavity devices. <i>Nanotechnology</i> , <b>2018</b> , 29, 205707	3.4	1
11	Frontispiece: Large-Area Synthesis of Superclean Graphene via Selective Etching of Amorphous Carbon with Carbon Dioxide. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58,	16.4	1
10	Single Crystals: Clean Transfer of Large Graphene Single Crystals for High-Intactness Suspended Membranes and Liquid Cells (Adv. Mater. 26/2017). <i>Advanced Materials</i> , <b>2017</b> , 29,	24	1
9	Shape Anisotropy: Anisotropy in Shape and Ligand-Conjugation of Hybrid Nanoparticulates Manipulates the Mode of Bio-Inspired Interaction and Its Outcome (Adv. Funct. Mater. 31/2017). <i>Advanced Functional Materials</i> , <b>2017</b> , 27,	15.6	1
8	Studies of synthesizing behaviors and superconductivity of sol-gel YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-x</sub> samples in flowing oxygen atmosphere. <i>Frontiers of Physics in China</i> , <b>2008</b> , 3, 55-60		1
7	Radiant-energy detection by BaCuO thin films. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , <b>1989</b> , 10, 445-456		1
6	Hydrophilic, Clean Graphene for Cell Culture and Cryo-EM Imaging. <i>Nano Letters</i> , <b>2021</b> , 21, 9587-9593	11.5	1
5	Slip-line-guided Growth of Graphene.. <i>Advanced Materials</i> , <b>2022</b> , e2201188	24	1
4	Intrinsic Wettability in Pristine Graphene (Adv. Mater. 6/2022). <i>Advanced Materials</i> , <b>2022</b> , 34, 2270050	24	0
3	The role of Cu crystallographic orientations towards growing superclean graphene on meter-sized scale. <i>Nano Research</i> , 1	10	0
2	Toward batch synthesis of high-quality graphene by cold-wall chemical vapor deposition approach. <i>Nano Research</i> , 1	10	0
1	PREPARATION OF SUPERCONDUCTING BiPbBrCaCuO FILMS BY DC MAGNETRON SPUTTERING METHOD. <i>Modern Physics Letters B</i> , <b>1990</b> , 04, 847-853	1.6	

