

Li Lin

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Intrinsic Wettability in Pristine Graphene (Adv. Mater. 6/2022). <i>Advanced Materials</i> , 2022 , 34, 2270050	24	0
88	Slip-line-guided Growth of Graphene.. <i>Advanced Materials</i> , 2022 , e2201188	24	1
87	Hydrophilic, Clean Graphene for Cell Culture and Cryo-EM Imaging. <i>Nano Letters</i> , 2021 , 21, 9587-9593	11.5	1
86	Intrinsic Wettability in Pristine Graphene. <i>Advanced Materials</i> , 2021 , e2103620	24	9
85	Direct growth of wafer-scale highly oriented graphene on sapphire. <i>Science Advances</i> , 2021 , 7, eabk011514.3	14.3	5
84	Recent Progress on Two-Dimensional Materials. <i>Wuli Huaxue Xuebao/Acta Physico - Chimica Sinica</i> , 2021 , 2108017-0	3.8	69
83	Transfer-Enabled Fabrication of Graphene Wrinkle Arrays for Epitaxial Growth of AlN Films. <i>Advanced Materials</i> , 2021 , e2105851	24	2
82	Toward the commercialization of chemical vapor deposition graphene films. <i>Applied Physics Reviews</i> , 2021 , 8, 041306	17.3	2
81	Graphene Transfer: Paving the Road for Applications of Chemical Vapor Deposition Graphene. <i>Small</i> , 2021 , 17, e2007600	11	15
80	Hetero-site nucleation for growing twisted bilayer graphene with a wide range of twist angles. <i>Nature Communications</i> , 2021 , 12, 2391	17.4	31
79	Printable two-dimensional superconducting monolayers. <i>Nature Materials</i> , 2021 , 20, 181-187	27	38
78	Toward Epitaxial Growth of Misorientation-Free Graphene on Cu(111) Foils.. <i>ACS Nano</i> , 2021 ,	16.7	4
77	Superclean Growth of Graphene Using a Cold-Wall Chemical Vapor Deposition Approach. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 17214-17218	16.4	16
76	Superclean Growth of Graphene Using a Cold-Wall Chemical Vapor Deposition Approach. <i>Angewandte Chemie</i> , 2020 , 132, 17367-17371	3.6	1
75	Large Single-Crystal Cu Foils with High-Index Facets by Strain-Engineered Anomalous Grain Growth. <i>Advanced Materials</i> , 2020 , 32, e2002034	24	28
74	Realization and transport investigation of a single layer-twisted bilayer graphene junction. <i>Carbon</i> , 2020 , 163, 105-112	10.4	2
73	Transport signatures of relativistic quantum scars in a graphene cavity. <i>Physical Review B</i> , 2020 , 101,	3.3	2

72	Graphene Acoustic Phonon-Mediated Pseudo-Landau Levels Tailoring Probed by Scanning Tunneling Spectroscopy. <i>Small</i> , 2020 , 16, e1905202	11	2
71	New Growth Frontier: Superclean Graphene. <i>ACS Nano</i> , 2020 , 14, 10796-10803	16.7	19
70	Controlled Growth of Single-Crystal Graphene Films. <i>Advanced Materials</i> , 2020 , 32, e1903266	24	58
69	A Force-Engineered Lint Roller for Superclean Graphene. <i>Advanced Materials</i> , 2019 , 31, e1902978	24	31
68	Growth of 12-inch uniform monolayer graphene film on molten glass and its application in PbI ₂ -based photodetector. <i>Nano Research</i> , 2019 , 12, 1888-1893	10	6
67	Synthesis challenges for graphene industry. <i>Nature Materials</i> , 2019 , 18, 520-524	27	217
66	Towards super-clean graphene. <i>Nature Communications</i> , 2019 , 10, 1912	17.4	89
65	Copper-Containing Carbon Feedstock for Growing Superclean Graphene. <i>Journal of the American Chemical Society</i> , 2019 , 141, 7670-7674	16.4	30
64	Nitrogen cluster doping for high-mobility/conductivity graphene films with millimeter-sized domains. <i>Science Advances</i> , 2019 , 5, eaaw8337	14.3	39
63	Large-Area Synthesis of Superclean Graphene via Selective Etching of Amorphous Carbon with Carbon Dioxide. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14446-14451	16.4	43
62	Large-Area Synthesis of Superclean Graphene via Selective Etching of Amorphous Carbon with Carbon Dioxide. <i>Angewandte Chemie</i> , 2019 , 131, 14588-14593	3.6	2
61	Frontispiece: Large-Area Synthesis of Superclean Graphene via Selective Etching of Amorphous Carbon with Carbon Dioxide. <i>Angewandte Chemie - International Edition</i> , 2019 , 58,	16.4	1
60	Coulomb-dominated oscillations in a graphene quantum Hall Fabry-Pérot interferometer. <i>Chinese Physics B</i> , 2019 , 28, 127203	1.2	2
59	Composite super-moiré lattices in double-aligned graphene heterostructures. <i>Science Advances</i> , 2019 , 5, eaay8897	14.3	36
58	Revealing the Contribution of Individual Factors to Hydrogen Evolution Reaction Catalytic Activity. <i>Advanced Materials</i> , 2018 , 30, e1706076	24	54
57	Charge transport and electron-hole asymmetry in low-mobility graphene/hexagonal boron nitride heterostructures. <i>Journal of Applied Physics</i> , 2018 , 123, 064303	2.5	1
56	Cerasomal Lovastatin Nanohybrids for Efficient Inhibition of Triple-Negative Breast Cancer Stem Cells To Improve Therapeutic Efficacy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 7022-7030	9.5	17
55	Low-field magnetotransport in graphene cavity devices. <i>Nanotechnology</i> , 2018 , 29, 205707	3.4	1

54	Low-Temperature Heteroepitaxy of 2D Pbl /Graphene for Large-Area Flexible Photodetectors. <i>Advanced Materials</i> , 2018 , 30, e1803194	24	61
53	Dirac-source field-effect transistors as energy-efficient, high-performance electronic switches. <i>Science</i> , 2018 , 361, 387-392	33.3	146
52	Low-Temperature and Rapid Growth of Large Single-Crystalline Graphene with Ethane. <i>Small</i> , 2018 , 14, 1702916	11	30
51	Ultrafast Broadband Charge Collection from Clean Graphene/CHNHPbl Interface. <i>Journal of the American Chemical Society</i> , 2018 , 140, 14952-14957	16.4	21
50	Bridging the Gap between Reality and Ideal in Chemical Vapor Deposition Growth of Graphene. <i>Chemical Reviews</i> , 2018 , 118, 9281-9343	68.1	160
49	Flexible Photodetectors: Low-Temperature Heteroepitaxy of 2D Pbl ₂ /Graphene for Large-Area Flexible Photodetectors (Adv. Mater. 36/2018). <i>Advanced Materials</i> , 2018 , 30, 1870271	24	2
48	Clean Transfer of Large Graphene Single Crystals for High-Intactness Suspended Membranes and Liquid Cells. <i>Advanced Materials</i> , 2017 , 29, 1700639	24	50
47	Anisotropy in Shape and Ligand-Conjugation of Hybrid Nanoparticulates Manipulates the Mode of BioNano Interaction and Its Outcome. <i>Advanced Functional Materials</i> , 2017 , 27, 1700406	15.6	11
46	Electron-Hole Symmetry Breaking in Charge Transport in Nitrogen-Doped Graphene. <i>ACS Nano</i> , 2017 , 11, 4641-4650	16.7	31
45	Rapid growth of angle-confined large-domain graphene bicrystals. <i>Nano Research</i> , 2017 , 10, 1189-1199	10	7
44	Plasmonic hot electron tunneling photodetection in vertical Au/graphene hybrid nanostructures. <i>Laser and Photonics Reviews</i> , 2017 , 11, 1600148	8.3	45
43	Graphene-Armored Aluminum Foil with Enhanced Anticorrosion Performance as Current Collectors for Lithium-Ion Battery. <i>Advanced Materials</i> , 2017 , 29, 1703882	24	53
42	Chemical Intercalation of Topological Insulator Grid Nanostructures for High-Performance Transparent Electrodes. <i>Advanced Materials</i> , 2017 , 29, 1703424	24	17
41	CVD Synthesis of Graphene 2017 , 19-56		4
40	Low-energy transmission electron diffraction and imaging of large-area graphene. <i>Science Advances</i> , 2017 , 3, e1603231	14.3	18
39	One-Step Growth of Graphene/Carbon Nanotube Hybrid Films on Soda-Lime Glass for Transparent Conducting Applications. <i>Advanced Electronic Materials</i> , 2017 , 3, 1700212	6.4	12
38	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> , 2017 , 29,	24	1
37	Doxorubicin and Indocyanine Green Loaded Hybrid Bicelles for Fluorescence Imaging Guided Synergetic Chemo/Photothermal Therapy. <i>Bioconjugate Chemistry</i> , 2017 , 28, 2410-2419	6.3	32

36	Shape Anisotropy: Anisotropy in Shape and Ligand-Conjugation of Hybrid Nanoparticulates Manipulates the Mode of BioNano Interaction and Its Outcome (Adv. Funct. Mater. 31/2017). <i>Advanced Functional Materials</i> , 2017 , 27,	15.6	1
35	Ultrafast epitaxial growth of metre-sized single-crystal graphene on industrial Cu foil. <i>Science Bulletin</i> , 2017 , 62, 1074-1080	10.6	326
34	Fast Growth and Broad Applications of 25-Inch Uniform Graphene Glass. <i>Advanced Materials</i> , 2017 , 29, 1603428	24	75
33	Visualizing fast growth of large single-crystalline graphene by tunable isotopic carbon source. <i>Nano Research</i> , 2017 , 10, 355-363	10	24
32	Surface Monocrystallization of Copper Foil for Fast Growth of Large Single-Crystal Graphene under Free Molecular Flow. <i>Advanced Materials</i> , 2016 , 28, 8968-8974	24	110
31	Fast and uniform growth of graphene glass using confined-flow chemical vapor deposition and its unique applications. <i>Nano Research</i> , 2016 , 9, 3048-3055	10	28
30	Chemically Engineered Substrates for Patternable Growth of Two-Dimensional Chalcogenide Crystals. <i>ACS Nano</i> , 2016 , 10, 10317-10323	16.7	14
29	Selectively enhanced photocurrent generation in twisted bilayer graphene with van Hove singularity. <i>Nature Communications</i> , 2016 , 7, 10699	17.4	88
28	Rapid Growth of Large Single-Crystalline Graphene via Second Passivation and Multistage Carbon Supply. <i>Advanced Materials</i> , 2016 , 28, 4671-7	24	52
27	Surface Engineering of Copper Foils for Growing Centimeter-Sized Single-Crystalline Graphene. <i>ACS Nano</i> , 2016 , 10, 2922-9	16.7	78
26	Graphene synthesis: On-the-spot growth. <i>Nature Materials</i> , 2016 , 15, 9-10	27	24
25	Probe of local impurity states by bend resistance measurements in graphene cross junctions. <i>Nanotechnology</i> , 2016 , 27, 245204	3.4	2
24	Tuning Chemical Potential Difference across Alternately Doped Graphene p-n Junctions for High-Efficiency Photodetection. <i>Nano Letters</i> , 2016 , 16, 4094-101	11.5	26
23	Two-Dimensional (CHNH)PbBr Perovskite Crystals for High-Performance Photodetector. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16612-16615	16.4	273
22	Building Large-Domain Twisted Bilayer Graphene with van Hove Singularity. <i>ACS Nano</i> , 2016 , 10, 6725-306.7	16.7	40
21	Monodisperse Copper Chalcogenide Nanocrystals: Controllable Synthesis and the Pinning of Plasmonic Resonance Absorption. <i>Journal of the American Chemical Society</i> , 2015 , 137, 12006-12	16.4	52
20	2D Hybrid Nanostructured Dirac Materials for Broadband Transparent Electrodes. <i>Advanced Materials</i> , 2015 , 27, 4315-21	24	8
19	Roll-to-Roll Encapsulation of Metal Nanowires between Graphene and Plastic Substrate for High-Performance Flexible Transparent Electrodes. <i>Nano Letters</i> , 2015 , 15, 4206-13	11.5	357

18	Building graphene p-n junctions for next-generation photodetection. <i>Nano Today</i> , 2015 , 10, 701-716	17.9	37
17	Epitaxial growth of asymmetrically-doped bilayer graphene for photocurrent generation. <i>Small</i> , 2014 , 10, 2245-50	11	4
16	Plasmon-enhanced photothermoelectric conversion in chemical vapor deposited graphene p-n junctions. <i>Journal of the American Chemical Society</i> , 2013 , 135, 10926-9	16.4	52
15	An intermediate-band-assisted avalanche multiplication in InAs/InGaAs quantum dots-in-well infrared photodetector. <i>Applied Physics Letters</i> , 2011 , 98, 073504	3.4	2
14	Formation of Ag nanoparticle-doped foam-like polymer films at the liquid-liquid interface. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 11113-8	3.4	25
13	Sequential coupling transport for the dark current of quantum dots-in-well infrared photodetectors. <i>Applied Physics Letters</i> , 2010 , 97, 193511	3.4	24
12	State of Doped Phosphorus and Its Influence on the Physicochemical and Photocatalytic Properties of P-doped Titania. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 15502-15509	3.8	131
11	Studies of synthesizing behaviors and superconductivity of sol-gel YBa ₂ Cu ₃ O _{7-x} samples in flowing oxygen atmosphere. <i>Frontiers of Physics in China</i> , 2008 , 3, 55-60		1
10	Effect of Pore Size Distribution of Carbon-Covered Alumina on the Preparation of Submicrometer γ -Alumina Powders. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 402-406	3.8	5
9	Adsorption and porosity properties of carbon-covered alumina surfaces. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007 , 88, 601-606	4.1	12
8	Effect of carbon content on photocatalytic activity of C/TiO ₂ composite. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2007 , 2, 64-69		5
7	Efficient Preparation of Submicrometer γ -Alumina Powders by Calcining Carbon-Covered Alumina. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 060623005134006-???	3.8	2
6	Uniformly carbon-covered alumina and its surface characteristics. <i>Langmuir</i> , 2005 , 21, 5040-6	4	58
5	Novel Pd/TiO ₂ -Al ₂ O ₃ Catalysts for Methane Total Oxidation at Low Temperature and Their ¹⁸ O-Isotope Exchange Behavior. <i>Chinese Journal of Chemistry</i> , 2005 , 23, 1333-1338	4.9	3
4	PREPARATION OF SUPERCONDUCTING Bi ₂ Sr ₂ CaCu ₂ O ₈ FILMS BY DC MAGNETRON SPUTTERING METHOD. <i>Modern Physics Letters B</i> , 1990 , 04, 847-853	1.6	
3	Radiant-energy detection by BaCu ₂ O thin films. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1989 , 10, 445-456		1
2	The role of Cu crystallographic orientations towards growing superclean graphene on meter-sized scale. <i>Nano Research</i> , 1	10	0
1	Toward batch synthesis of high-quality graphene by cold-wall chemical vapor deposition approach. <i>Nano Research</i> , 1	10	0

