

# Xue-Song Li

## List of Publications by Citations

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39  
papers

16,837  
citations

17  
h-index

40  
g-index

40  
ext. papers

18,191  
ext. citations

11.5  
avg, IF

6.12  
L-index

#	Paper	IF	Citations
39	Large-area synthesis of high-quality and uniform graphene films on copper foils. <i>Science</i> , <b>2009</b> , 324, 1312-13	33.3	8900
38	Transfer of large-area graphene films for high-performance transparent conductive electrodes. <i>Nano Letters</i> , <b>2009</b> , 9, 4359-63	11.5	2532
37	Evolution of graphene growth on Ni and Cu by carbon isotope labeling. <i>Nano Letters</i> , <b>2009</b> , 9, 4268-72	11.5	1245
36	Large-area graphene single crystals grown by low-pressure chemical vapor deposition of methane on copper. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 2816-9	16.4	1041
35	Graphene films with large domain size by a two-step chemical vapor deposition process. <i>Nano Letters</i> , <b>2010</b> , 10, 4328-34	11.5	836
34	Damping pathways of mid-infrared plasmons in graphene nanostructures. <i>Nature Photonics</i> , <b>2013</b> , 7, 394-399	33.9	682
33	Graphene and related two-dimensional materials: Structure-property relationships for electronics and optoelectronics. <i>Applied Physics Reviews</i> , <b>2017</b> , 4, 021306	17.3	368
32	Large area few-layer graphene/graphite films as transparent thin conducting electrodes. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 123115	3.4	305
31	Synthesis of Graphene Films on Copper Foils by Chemical Vapor Deposition. <i>Advanced Materials</i> , <b>2016</b> , 28, 6247-52	24	225
30	Infrared spectroscopy of tunable Dirac terahertz magneto-plasmons in graphene. <i>Nano Letters</i> , <b>2012</b> , 12, 3766-71	11.5	198
29	Effective mobility of single-layer graphene transistors as a function of channel dimensions. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 104511	2.5	105
28	Mitochondrial Imaging with Combined Fluorescence and Stimulated Raman Scattering Microscopy Using a Probe of the Aggregation-Induced Emission Characteristic. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 17022-17030	16.4	90
27	Synthesis of isotopically-labeled graphite films by cold-wall chemical vapor deposition and electronic properties of graphene obtained from such films. <i>Nano Research</i> , <b>2009</b> , 2, 851-856	10	46
26	High-Quality Monolithic Graphene Films via Laterally Stitched Growth and Structural Repair of Isolated Flakes for Transparent Electronics. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 7808-7815	9.6	35
25	Centimeter-sized 2D $\text{MoO}_3$ single crystal: growth, Raman anisotropy, and optoelectronic properties. <i>2D Materials</i> , <b>2018</b> , 5, 045011	5.9	28
24	Towards large-scale graphene transfer. <i>Nanoscale</i> , <b>2020</b> , 12, 10890-10911	7.7	24
23	Vapor-Dissociation Solid Growth of Three-Dimensional Graphite-like Capsules with Delicate Morphology and Atomic-level Thickness Control. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 5040-5048	3.5	22

22	Effects of Cu contamination on system reliability for graphene synthesis by chemical vapor deposition method. <i>Carbon</i> , <b>2018</b> , 127, 676-680	10.4	17
21	Graphene growth with BioFeedstock. <i>2D Materials</i> , <b>2017</b> , 4, 025089	5.9	16
20	Criteria for the growth of large-area adlayer-free monolayer graphene films by chemical vapor deposition. <i>Journal of Materiomics</i> , <b>2019</b> , 5, 463-470	6.7	15
19	Surface crystallographic structure insensitive growth of oriented graphene domains on Cu substrates. <i>Materials Today</i> , <b>2020</b> , 36, 10-17	21.8	15
18	Chemical vapor deposition synthesis of graphene films. <i>APL Materials</i> , <b>2019</b> , 7, 020903	5.7	14
17	A general and simple method for evaluating the electrical transport performance of graphene by the van der Pauw Hall measurement. <i>Science Bulletin</i> , <b>2018</b> , 63, 1521-1526	10.6	12
16	Catalytic substrates for graphene growth. <i>MRS Bulletin</i> , <b>2017</b> , 42, 819-824	3.2	11
15	Tunable Graphene Split-Ring Resonators. <i>Physical Review Applied</i> , <b>2020</b> , 13,	4.3	8
14	Synthesis of large-area graphene films on rolled-up Cu foils by a Breathing method. <i>Chemical Engineering Journal</i> , <b>2021</b> , 405, 127014	14.7	8
13	Mechanism and Optimization of a Graphene/Silicon Hybrid Diode Terahertz Modulator. <i>ACS Applied Electronic Materials</i> , <b>2020</b> , 2, 1953-1959	4	7
12	Graphene Films: Synthesis of Graphene Films on Copper Foils by Chemical Vapor Deposition (Adv. Mater. 29/2016). <i>Advanced Materials</i> , <b>2016</b> , 28, 6264	24	5
11	Observation of chiral and slow plasmons in twisted bilayer graphene.. <i>Nature</i> , <b>2022</b> , 605, 63-68	50.4	5
10	Synthesis of two dimensional materials on extremely clean surfaces. <i>Nano Today</i> , <b>2018</b> , 22, 7-9	17.9	4
9	Preparation of Ultra-Smooth Cu Surface for High-Quality Graphene Synthesis. <i>Nanoscale Research Letters</i> , <b>2018</b> , 13, 340	5	4
8	Flexible terahertz modulators based on graphene FET with organic high-k dielectric layer. <i>Materials Research Express</i> , <b>2018</b> , 5, 115607	1.7	4
7	Clean transfer of chemical vapor deposition graphene film. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2019</b> , 68, 096801	0.6	3
6	Synergetic interaction between copper and carbon impurity induces low temperature growth of highly-defective graphene for enhanced electrochemical performance. <i>Carbon</i> , <b>2019</b> , 150, 371-377	10.4	2
5	Growth and electrical properties of n-type monolayer sulfur-doped graphene film in air. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 860, 158462	5.7	2

- 4 Unconventional Reaction Phase Diagram for the Penetration Etching/Growth of Graphene Adlayers. *Chemistry of Materials*, **2021**, 33, 9698-9707 9.6 2
- 3 Inhomogeneous strain and doping of transferred CVD-grown graphene. *Rare Metals*, **2022**, 41, 1727-1734.5 1
- 2 Investigation on graphene growth by roll-to-roll chemical vapor deposition. *Science China Materials*, 1 7.1
- 1 A time-space conversion method for material synthesis research. *IScience*, **2021**, 24, 103340 6.1