Xue-Song Li

List of Publications by Year in Descending Order

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	Inhomogeneous strain and doping of transferred CVD-grown graphene. *Rare Metals*, **2022**, 41, 1727-1734	5.5	1
38	Observation of chiral and slow plasmons in twisted bilayer graphene.. *Nature*, **2022**, 605, 63-68	50.4	5
37	A time-space conversion method for material synthesis research. *IScience*, **2021**, 24, 103340	6.1	
36	Growth and electrical properties of n-type monolayer sulfur-doped graphene film in air. *Journal of Alloys and Compounds*, **2021**, 860, 158462	5.7	2
35	Synthesis of large-area graphene films on rolled-up Cu foils by a □breathing□method. *Chemical Engineering Journal*, **2021**, 405, 127014	14.7	8
34	Unconventional Reaction Phase Diagram for the Penetration Etching/Growth of Graphene Adlayers. *Chemistry of Materials*, **2021**, 33, 9698-9707	9.6	2
33	Mechanism and Optimization of a Graphene/Silicon Hybrid Diode Terahertz Modulator. *ACS Applied Electronic Materials*, **2020**, 2, 1953-1959	4	7
32	Tunable Graphene Split-Ring Resonators. *Physical Review Applied*, **2020**, 13,	4.3	8
31	Surface crystallographic structure insensitive growth of oriented graphene domains on Cu substrates. *Materials Today*, **2020**, 36, 10-17	21.8	15
30	Towards large-scale graphene transfer. *Nanoscale*, **2020**, 12, 10890-10911	7.7	24
29	Synergetic interaction between copper and carbon impurity induces low temperature growth of highly-defective graphene for enhanced electrochemical performance. *Carbon*, **2019**, 150, 371-377	10.4	2
28	Criteria for the growth of large-area adlayer-free monolayer graphene films by chemical vapor deposition. *Journal of Materiomics*, **2019**, 5, 463-470	6.7	15
27	Clean transfer of chemical vapor deposition graphene film. *Wuli Xuebao/Acta Physica Sinica*, **2019**, 68, 096801	0.6	3
26	Chemical vapor deposition synthesis of graphene films. *APL Materials*, **2019**, 7, 020903	5.7	14
25	Centimeter-sized 2D □MoO 3 single crystal: growth, Raman anisotropy, and optoelectronic properties. *2D Materials*, **2018**, 5, 045011	5.9	28
24	Synthesis of two dimensional materials on extremely clean surfaces. *Nano Today*, **2018**, 22, 7-9	17.9	4
23	Effects of Cu contamination on system reliability for graphene synthesis by chemical vapor deposition method. *Carbon*, **2018**, 127, 676-680	10.4	17

22	Preparation of Ultra-Smooth Cu Surface for High-Quality Graphene Synthesis. *Nanoscale Research Letters*, **2018**, 13, 340	5	4
21	A general and simple method for evaluating the electrical transport performance of graphene by the van der Pauw–Hall measurement. *Science Bulletin*, **2018**, 63, 1521-1526	10.6	12
20	Flexible terahertz modulators based on graphene FET with organic high-k dielectric layer. *Materials Research Express*, **2018**, 5, 115607	1.7	4
19	Graphene growth with a solid feedstock. *2D Materials*, **2017**, 4, 025089	5.9	16
18	Graphene and related two-dimensional materials: Structure-property relationships for electronics and optoelectronics. *Applied Physics Reviews*, **2017**, 4, 021306	17.3	368
17	High-Quality Monolithic Graphene Films via Laterally Stitched Growth and Structural Repair of Isolated Flakes for Transparent Electronics. *Chemistry of Materials*, **2017**, 29, 7808-7815	9.6	35
16	Catalytic substrates for graphene growth. *MRS Bulletin*, **2017**, 42, 819-824	3.2	11
15	Mitochondrial Imaging with Combined Fluorescence and Stimulated Raman Scattering Microscopy Using a Probe of the Aggregation-Induced Emission Characteristic. *Journal of the American Chemical Society*, **2017**, 139, 17022-17030	16.4	90
14	Synthesis of Graphene Films on Copper Foils by Chemical Vapor Deposition. *Advanced Materials*, **2016**, 28, 6247-52	24	225
13	Graphene Films: Synthesis of Graphene Films on Copper Foils by Chemical Vapor Deposition (Adv. Mater. 29/2016). *Advanced Materials*, **2016**, 28, 6264	24	5
12	Vapor–Dissociation–Solid Growth of Three-Dimensional Graphite-like Capsules with Delicate Morphology and Atomic-level Thickness Control. *Crystal Growth and Design*, **2016**, 16, 5040-5048	3.5	22
11	Damping pathways of mid-infrared plasmons in graphene nanostructures. *Nature Photonics*, **2013**, 7, 394-399	33.9	682
10	Infrared spectroscopy of tunable Dirac terahertz magneto-plasmons in graphene. *Nano Letters*, **2012**, 12, 3766-71	11.5	198
9	Effective mobility of single-layer graphene transistors as a function of channel dimensions. *Journal of Applied Physics*, **2011**, 109, 104511	2.5	105
8	Large-area graphene single crystals grown by low-pressure chemical vapor deposition of methane on copper. *Journal of the American Chemical Society*, **2011**, 133, 2816-9	16.4	1041
7	Graphene films with large domain size by a two-step chemical vapor deposition process. *Nano Letters*, **2010**, 10, 4328-34	11.5	836
6	Synthesis of isotopically-labeled graphite films by cold-wall chemical vapor deposition and electronic properties of graphene obtained from such films. *Nano Research*, **2009**, 2, 851-856	10	46
5	Evolution of graphene growth on Ni and Cu by carbon isotope labeling. *Nano Letters*, **2009**, 9, 4268-72	11.5	1245

4	Large-area synthesis of high-quality and uniform graphene films on copper foils. *Science*, **2009**, 324, 1312-4	5.3	8900
3	Large area few-layer graphene/graphite films as transparent thin conducting electrodes. *Applied Physics Letters*, **2009**, 95, 123115	3.4	305
2	Transfer of large-area graphene films for high-performance transparent conductive electrodes. *Nano Letters*, **2009**, 9, 4359-63	11.5	2532
1	Investigation on graphene growth by roll-to-roll chemical vapor deposition. *Science China Materials*,1	7.1	