

# Yi Song

## List of Publications by Year in descending order

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33  
papers

5,239  
citations

257101

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454577

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docs citations

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times ranked

9415  
citing authors

#	ARTICLE	IF	CITATIONS
1	Color Contrast of Single-Layer Graphene under White Light Illumination Induced by Broadband Photon Management. ACS Applied Materials & Interfaces, 2020, 12, 3827-3835.	4.0	3
2	Corrosion of Cu by a sulfate reducing bacterium in anaerobic vials with different headspace volumes. Bioelectrochemistry, 2020, 133, 107478.	2.4	29
3	High-performance graphene-integrated thermo-optic switch: design and experimental validation [Invited]. Optical Materials Express, 2020, 10, 387.	1.6	13
4	Self-Assembled, Ultrahigh Refractive Index Pseudo-Periodic Sn Nanostructures for Broad-Band Infrared Photon Management in Single Layer Graphene. ACS Photonics, 2019, 6, 50-58.	3.2	4
5	Graphene-Perovskite Schottky Barrier Solar Cells. Advanced Sustainable Systems, 2018, 2, 1700106.	2.7	12
6	Hot Electron Transistor with van der Waals Base-Collector Heterojunction and High-Performance GaN Emitter. Nano Letters, 2017, 17, 3089-3096.	4.5	74
7	Remote epitaxy through graphene enables two-dimensional material-based layer transfer. Nature, 2017, 544, 340-343.	13.7	410
8	Chalcogenide glass-on-graphene photonics. Nature Photonics, 2017, 11, 798-805.	15.6	190
9	Parallel Stitching of 2D Materials. Advanced Materials, 2016, 28, 2322-2329.	11.1	195
10	Visibly-Transparent Organic Solar Cells on Flexible Substrates with All-Graphene Electrodes. Advanced Energy Materials, 2016, 6, 1600847.	10.2	138
11	Tunneling nanoelectromechanical switches. , 2015, , .		0
12	A review of large-area bilayer graphene synthesis by chemical vapor deposition. Nanoscale, 2015, 7, 20335-20351.	2.8	70
13	Challenges and opportunities for graphene as transparent conductors in optoelectronics. Nano Today, 2015, 10, 681-700.	6.2	73
14	Application of tungsten as a carbon sink for synthesis of large-domain uniform monolayer graphene free of bilayers/multilayers. Nanoscale, 2015, 7, 4929-4934.	2.8	12
15	Role of Interfacial Oxide in High-Efficiency Graphene-Silicon Schottky Barrier Solar Cells. Nano Letters, 2015, 15, 2104-2110.	4.5	404
16	Symmetry Engineering of Graphene Plasmonic Crystals. Nano Letters, 2015, 15, 5001-5009.	4.5	13
17	Nanofiltration across Defect-Sealed Nanoporous Monolayer Graphene. Nano Letters, 2015, 15, 3254-3260.	4.5	272
18	Molecular Selectivity of Graphene-Enhanced Raman Scattering. Nano Letters, 2015, 15, 2892-2901.	4.5	177

#	ARTICLE	IF	CITATIONS
19	Graphene-Based Thermopile for Thermal Imaging Applications. Nano Letters, 2015, 15, 7211-7216.	4.5	81
20	Optimized graphene transfer: Influence of polymethylmethacrylate (PMMA) layer concentration and baking time on graphene final performance. Carbon, 2015, 84, 82-90.	5.4	187
21	Mid-infrared graphene detectors with antenna-enhanced light absorption and photo-carrier collection. , 2014, , .		0
22	Selective Ionic Transport through Tunable Subnanometer Pores in Single-Layer Graphene Membranes. Nano Letters, 2014, 14, 1234-1241.	4.5	687
23	Wide Wavelength Tuning of Optical Antennas on Graphene with Nanosecond Response Time. Nano Letters, 2014, 14, 214-219.	4.5	151
24	Ultra-Compact Mid-IR Modulators Based on Electrically Tunable Optical Antennas. , 2014, , .		0
25	A Current-Voltage Model for Graphene Electrolyte-Gated Field-Effect Transistors. IEEE Transactions on Electron Devices, 2014, 61, 3971-3977.	1.6	33
26	Iron (III) Chloride doping of CVD graphene. Nanotechnology, 2014, 25, 395701.	1.3	27
27	Electrically Tunable Metasurface Perfect Absorbers for Ultrathin Mid-Infrared Optical Modulators. Nano Letters, 2014, 14, 6526-6532.	4.5	657
28	Electrophoretic and field-effect graphene for all-electrical DNA array technology. Nature Communications, 2014, 5, 4866.	5.8	109
29	High-Responsivity Mid-Infrared Graphene Detectors with Antenna-Enhanced Photocurrent Generation and Collection. Nano Letters, 2014, 14, 3749-3754.	4.5	231
30	Asymmetric Growth of Bilayer Graphene on Copper Enclosures Using Low-Pressure Chemical Vapor Deposition. ACS Nano, 2014, 8, 6491-6499.	7.3	113
31	Direct transfer of graphene onto flexible substrates. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17762-17767.	3.3	170
32	Broad Electrical Tuning of Graphene-Loaded Plasmonic Antennas. Nano Letters, 2013, 13, 1257-1264.	4.5	558
33	Rapid Identification of Stacking Orientation in Isotopically Labeled Chemical-Vapor Grown Bilayer Graphene by Raman Spectroscopy. Nano Letters, 2013, 13, 1541-1548.	4.5	146