

Anna K Swan

List of Publications by Citations

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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.

46
papers

3,060
citations

23
h-index

55
g-index

58
ext. papers

3,442
ext. citations

6.4
avg, IF

4.87
L-index

#	Paper	IF	Citations
46	Transfer of CVD-grown monolayer graphene onto arbitrary substrates. <i>ACS Nano</i> , 2011 , 5, 6916-24	16.7	1059
45	Band Gap Engineering with Ultralarge Biaxial Strains in Suspended Monolayer MoS ₂ . <i>Nano Letters</i> , 2016 , 16, 5836-41	11.5	296
44	Island Diffusion and Coarsening on Metal (100) Surfaces. <i>Physical Review Letters</i> , 1997 , 79, 3210-3213	7.4	202
43	Biaxial strain in graphene adhered to shallow depressions. <i>Nano Letters</i> , 2010 , 10, 6-10	11.5	171
42	Self-trapping of excitons, violation of Condon approximation, and efficient fluorescence in conjugated cycloparaphenylenes. <i>Nano Letters</i> , 2014 , 14, 6539-46	11.5	117
41	Dimer Shearing as a Novel Mechanism for Cluster Diffusion and Dissociation on Metal (100) Surfaces. <i>Physical Review Letters</i> , 1996 , 76, 4927-4930	7.4	116
40	DNA conformation on surfaces measured by fluorescence self-interference. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 2623-8	11.5	91
39	Competing spring constant versus double resonance effects on the properties of dispersive modes in isolated single-wall carbon nanotubes. <i>Physical Review B</i> , 2003 , 67,	3.3	84
38	How graphene slides: measurement and theory of strain-dependent frictional forces between graphene and SiO ₂ . <i>Nano Letters</i> , 2013 , 13, 2605-10	11.5	82
37	Screening of excitons in single, suspended carbon nanotubes. <i>Nano Letters</i> , 2007 , 7, 1485-8	11.5	77
36	Raman spectroscopy of carbon nanohoops. <i>Carbon</i> , 2014 , 67, 203-213	10.4	64
35	Long tailed trions in monolayer MoS: Temperature dependent asymmetry and resulting red-shift of trion photoluminescence spectra. <i>Scientific Reports</i> , 2017 , 7, 14062	4.9	60
34	Lattice-corrected strain-induced vector potentials in graphene. <i>Physical Review B</i> , 2012 , 85,	3.3	59
33	The role of length and defects on optical quantum efficiency and exciton decay dynamics in single-walled carbon nanotubes. <i>ACS Nano</i> , 2011 , 5, 647-55	16.7	53
32	Thermal conductance imaging of graphene contacts. <i>Journal of Applied Physics</i> , 2014 , 116, 023515	2.5	51
31	Probing the electronic trigonal warping effect in individual single-wall carbon nanotubes using phonon spectra. <i>Chemical Physics Letters</i> , 2002 , 354, 62-68	2.5	46
30	Violation of the condon approximation in semiconducting carbon nanotubes. <i>ACS Nano</i> , 2011 , 5, 5233-41	16.7	45

29	Epitaxial growth of Cu on Cu(001): Experiments and simulations. <i>Physical Review B</i> , 2000 , 62, R10649-R10652	16.5	31
28	Intensity-dependent exciton dynamics of (6,5) single-walled carbon nanotubes: momentum selection rules, diffusion, and nonlinear interactions. <i>ACS Nano</i> , 2011 , 5, 9898-906	16.7	27
27	Monolayer MoS ₂ Strained to 1.3% With a Microelectromechanical System. <i>Journal of Microelectromechanical Systems</i> , 2019 , 28, 254-263	2.5	25
26	Uniaxial Strain Redistribution in Corrugated Graphene: Clamping, Sliding, Friction, and 2D Band Splitting. <i>Nano Letters</i> , 2015 , 15, 5969-75	11.5	24
25	Graphene plasmonic devices for terahertz optoelectronics. <i>Nanophotonics</i> , 2020 , 9, 1901-1920	6.3	23
24	Graphene on nanoscale gratings for the generation of terahertz Smith-Purcell radiation. <i>Applied Physics Letters</i> , 2014 , 105, 241102	3.4	20
23	Quantum interference between the third and fourth exciton states in semiconducting carbon nanotubes using resonance Raman spectroscopy. <i>Physical Review Letters</i> , 2012 , 108, 117404	7.4	19
22	Flux-dependent scaling behavior in Cu(100) submonolayer homoepitaxy. <i>Surface Science</i> , 1997 , 391, L1205-L1210	11.5	18
21	A case study for optics: The solid immersion microscope. <i>American Journal of Physics</i> , 2008 , 76, 758-768	0.7	19
20	Raman-Active Modes of Even-Numbered Cycloparaphenylenes: Comparisons between Experiments and Density Functional Theory (DFT) Calculations with Group Theory Arguments. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 2879-2887	3.8	16
19	2D Raman band splitting in graphene: Charge screening and lifting of the K-point Kohn anomaly. <i>Scientific Reports</i> , 2017 , 7, 13539	4.9	14
18	Capabilities and limitations of pupil-plane filters for superresolution and image enhancement. <i>Optics Express</i> , 2004 , 12, 4150-6	3.3	14
17	Current-Driven Terahertz Light Emission from Graphene Plasmonic Oscillations. <i>ACS Photonics</i> , 2019 , 6, 2562-2569	6.3	12
16	Spectral Self-Interference Fluorescence Microscopy for Subcellular Imaging. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2008 , 14, 217-225	3.8	12
15	Scaling of exciton binding energy with external dielectric function in carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 40, 2375-2379	3	11
14	Tunable Resonant Raman Scattering From Singly Resonant Single Wall Carbon Nanotubes. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2006 , 12, 1083-1090	3.8	11
13	Graphene Terahertz Plasmons: A Combined Transmission Spectroscopy and Raman Microscopy Study. <i>ACS Photonics</i> , 2017 , 4, 2011-2017	6.3	10
12	Charge tuning of nonresonant magnetoexciton phonon interactions in graphene. <i>Physical Review Letters</i> , 2014 , 112, 056803	7.4	8

11	Modeling and Thermal Metrology of Thermally Isolated MEMS Electrothermal Actuators for Strain Engineering of 2D Materials in Air. <i>Journal of Microelectromechanical Systems</i> , 2019 , 28, 550-557	2.5	6
10	Spectroscopic properties unique to nano-emitters. <i>Nano Letters</i> , 2008 , 8, 4330-4	11.5	6
9	Spectral self-interference microscopy for low-signal nanoscale axial imaging. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2007 , 24, 3587-99	1.8	6
8	Enhanced Dielectric Screening and Photoluminescence from Nanopillar-Strained MoS ₂ Nanosheets: Implications for Strain Funneling in Optoelectronic Applications. <i>ACS Applied Nano Materials</i> , 2021 , 4, 8101-8107	5.6	5
7	Closed-form representations of field components of fluorescent emitters in layered media. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2009 , 26, 1458-66	1.8	4
6	Revealing new electronic behaviours in the Raman spectra of chirality-enriched carbon nanotube ensembles. <i>Physica Status Solidi (B): Basic Research</i> , 2010 , 247, 2768-2773	1.3	4
5	4Pi spectral self-interference microscopy. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2007 , 24, 3762-71	1.8	3
4	One-dimensional carbon nanostructures for terahertz electron-beam radiation. <i>Physical Review B</i> , 2016 , 93,	3.3	2
3	High-resolution spectral self-interference fluorescence microscopy 2002 , 4621, 77		2
2	4Pi Spectral Self-interference Fluorescence Microscopy 2006 ,		1
1	Broadband micro-transient absorption spectroscopy enabled by improved lock-in amplification. <i>Review of Scientific Instruments</i> , 2021 , 92, 104706	1.7	1