

Anna K Swan

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4300761/anna-k-swan-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Broadband micro-transient absorption spectroscopy enabled by improved lock-in amplification. <i>Review of Scientific Instruments</i> , 2021 , 92, 104706	1.7	1
45	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
44	Graphene plasmonic devices for terahertz optoelectronics. <i>Nanophotonics</i> , 2020 , 9, 1901-1920	6.3	23
43	Current-Driven Terahertz Light Emission from Graphene Plasmonic Oscillations. <i>ACS Photonics</i> , 2019 , 6, 2562-2569	6.3	12
42	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
41	Monolayer MoS ₂ Strained to 1.3% With a Microelectromechanical System. <i>Journal of Microelectromechanical Systems</i> , 2019 , 28, 254-263	2.5	25
40	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
39	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
38	Graphene Terahertz Plasmons: A Combined Transmission Spectroscopy and Raman Microscopy Study. <i>ACS Photonics</i> , 2017 , 4, 2011-2017	6.3	10
37	One-dimensional carbon nanostructures for terahertz electron-beam radiation. <i>Physical Review B</i> , 2016 , 93,	3.3	2
36	Band Gap Engineering with Ultralarge Biaxial Strains in Suspended Monolayer MoS ₂ . <i>Nano Letters</i> , 2016 , 16, 5836-41	11.5	296
35	Uniaxial Strain Redistribution in Corrugated Graphene: Clamping, Sliding, Friction, and 2D Band Splitting. <i>Nano Letters</i> , 2015 , 15, 5969-75	11.5	24
34	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
33	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
32	Raman spectroscopy of carbon nanohoops. <i>Carbon</i> , 2014 , 67, 203-213	10.4	64
31	Graphene on nanoscale gratings for the generation of terahertz Smith-Purcell radiation. <i>Applied Physics Letters</i> , 2014 , 105, 241102	3.4	20
30	Charge tuning of nonresonant magnetoexciton phonon interactions in graphene. <i>Physical Review Letters</i> , 2014 , 112, 056803	7.4	8

29	Thermal conductance imaging of graphene contacts. <i>Journal of Applied Physics</i> , 2014 , 116, 023515	2.5	51
28	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
27	Lattice-corrected strain-induced vector potentials in graphene. <i>Physical Review B</i> , 2012 , 85,	3.3	59
26	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
25	Violation of the condon approximation in semiconducting carbon nanotubes. <i>ACS Nano</i> , 2011 , 5, 5233-41	16.7	45
24	Transfer of CVD-grown monolayer graphene onto arbitrary substrates. <i>ACS Nano</i> , 2011 , 5, 6916-24	16.7	1059
23	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
22	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
21	Biaxial strain in graphene adhered to shallow depressions. <i>Nano Letters</i> , 2010 , 10, 6-10	11.5	171
20	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
19	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
18	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
17	A case study for optics: The solid immersion microscope. <i>American Journal of Physics</i> , 2008 , 76, 758-768	0.7	19
16	Spectroscopic properties unique to nano-emitters. <i>Nano Letters</i> , 2008 , 8, 4330-4	11.5	6
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	Screening of excitons in single, suspended carbon nanotubes. <i>Nano Letters</i> , 2007 , 7, 1485-8	11.5	77
13	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
12	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

11	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
10	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
9	4Pi Spectral Self-interference Fluorescence Microscopy 2006 ,		1
8	Capabilities and limitations of pupil-plane filters for superresolution and image enhancement. <i>Optics Express</i> , 2004 , 12, 4150-6	3.3	14
7	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
6	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
5	High-resolution spectral self-interference fluorescence microscopy 2002 , 4621, 77		2
4	Epitaxial growth of Cu on Cu(001): Experiments and simulations. <i>Physical Review B</i> , 2000 , 62, R10649-R10652	3.5	31
3	Flux-dependent scaling behavior in Cu(100) submonolayer homoepitaxy. <i>Surface Science</i> , 1997 , 391, L1205-L1210		10
2	Island Diffusion and Coarsening on Metal (100) Surfaces. <i>Physical Review Letters</i> , 1997 , 79, 3210-3213	7.4	202
1	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