

# Aaron C Hryciw

## List of Publications by Year in descending order

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28  
papers

1,147  
citations

516710

16  
h-index

752698

20  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1950  
citing authors

#	ARTICLE	IF	CITATIONS
1	Patterning of Complex, Nanometer-Scale Features in Wide-Area Gold Nanoplasmonic Structures Using Helium Focused Ion Beam Milling. ACS Applied Materials & Interfaces, 2021, 13, 43209-43220.	8.0	10
2	Asterisk Metasurface at 193 THz. , 2018, , .		0
3	Single-Crystal Diamond Nanobeam Waveguide Optomechanics. Physical Review X, 2015, 5, .	8.9	60
4	Design and experimental demonstration of optomechanical paddle nanocavities. Applied Physics Letters, 2015, 107, 231107.	3.3	3
5	High-Q Monolithic Diamond Microdisks Fabricated with Quasi-isotropic Etching. Nano Letters, 2015, 15, 5131-5136.	9.1	114
6	Tuning of nanocavity optomechanical coupling using a near-field fiber probe. Optica, 2015, 2, 491.	9.3	29
7	Nonlinear optomechanical paddle nanocavities. Optica, 2015, 2, 271.	9.3	35
8	Monolithic Single Crystal Diamond High-Q Optical Microcavities. , 2015, , .		0
9	Resonant Wavelength Conversion in Gallium Phosphide Nanostructures. , 2015, , .		0
10	Cavity optomechanics in gallium phosphide microdisks. Applied Physics Letters, 2014, 104, .	3.3	40
11	Dissipative and Dispersive Optomechanics in a Nanocavity Torque Sensor. Physical Review X, 2014, 4, .	8.9	104
12	Optomechanical Nanostructures via Scalable Fabrication in Single-Crystal Diamond. , 2014, , .		0
13	Optomechanics in Gallium Phosphide Microdisks. , 2014, , .		0
14	Photonic crystal split-beam nanocavities for torsional optomechanics. Proceedings of SPIE, 2013, , .	0.8	0
15	Optical design of split-beam photonic crystal nanocavities. Optics Letters, 2013, 38, 1612.	3.3	19
16	Light emission from strained germanium. Nature Photonics, 2013, 7, 162-163.	31.4	8
17	Photonic crystal paddle nanocavities for optomechanical torsion sensing. , 2012, , .		2
18	A micromachining-based technology for enhancing germanium light emission via tensile strain. Nature Photonics, 2012, 6, 398-405.	31.4	190

#	ARTICLE	IF	CITATIONS
19	Atomic Layer Deposition of Lead Sulfide Quantum Dots on Nanowire Surfaces. Nano Letters, 2011, 11, 934-940.	9.1	84
20	Thermo-optic tuning of erbium-doped amorphous silicon nitride microdisk resonators. Applied Physics Letters, 2011, 98, 041102.	3.3	19
21	Electrifying plasmonics on silicon. Nature Materials, 2010, 9, 3-4.	27.5	73
22	Plasmon-enhanced emission from optically-doped MOS light sources. Optics Express, 2009, 17, 185.	3.4	29
23	Solving dielectric and plasmonic waveguide dispersion relations on a pocket calculator. Optics Express, 2009, 17, 24112.	3.4	103
24	The microstructure of SiO thin films: from nanoclusters to nanocrystals. Philosophical Magazine, 2007, 87, 11-27.	1.6	47
25	Ultrafast terahertz conductivity of photoexcited nanocrystalline silicon. Journal of Materials Science: Materials in Electronics, 2007, 18, 447-452.	2.2	29
26	Nanocluster sensitized erbium-doped silicon monoxide waveguides. Optics Express, 2006, 14, 12151.	3.4	10
27	Transient terahertz conductivity in photoexcited silicon nanocrystal films. Physical Review B, 2006, 73, .	3.2	139
28	Probing ultrafast carrier dynamics in semiconductor nanostructures with terahertz pulses. , 2005, , .		0