# Joel K W Yang

## List of Publications by Citations



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|---|---|---|---|
| 153 papers | 9,930 citations | 49 h-index | 97 g-index |
| 161 ext. papers | 11,579 ext. citations | 10.2 avg, IF | 6.31 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 153 | Graphoepitaxy of self-assembled block copolymers on two-dimensional periodic patterned templates. *Science*, **2008**, 321, 939-43 | 33.3 | 703 |
| 152 | Printing colour at the optical diffraction limit. *Nature Nanotechnology*, **2012**, 7, 557-61 | 28.7 | 643 |
| 151 | Plasmonic colour generation. *Nature Reviews Materials*, **2017**, 2, | 73.3 | 435 |
| 150 | Plasmonic color palettes for photorealistic printing with aluminum nanostructures. *Nano Letters*, **2014**, 14, 4023-9 | 11.5 | 410 |
| 149 | Quantum plasmon resonances controlled by molecular tunnel junctions. *Science*, **2014**, 343, 1496-9 | 33.3 | 335 |
| 148 | Nanoplasmonics: classical down to the nanometer scale. *Nano Letters*, **2012**, 12, 1683-9 | 11.5 | 326 |
| 147 | Kinetic-inductance-limited reset time of superconducting nanowire photon counters. *Applied Physics Letters*, **2006**, 88, 111116 | 3.4 | 313 |
| 146 | Nanowire single-photon detector with an integrated optical cavity and anti-reflection coating. *Optics Express*, **2006**, 14, 527-34 | 3.3 | 275 |
| 145 | Complex self-assembled patterns using sparse commensurate templates with locally varying motifs. *Nature Nanotechnology*, **2010**, 5, 256-60 | 28.7 | 226 |
| 144 | Three-dimensional plasmonic stereoscopic prints in full colour. *Nature Communications*, **2014**, 5, 5361 | 17.4 | 218 |
| 143 | High-resolution mapping of electron-beam-excited plasmon modes in lithographically defined gold nanostructures. *Nano Letters*, **2011**, 11, 1323-30 | 11.5 | 216 |
| 142 | Color generation via subwavelength plasmonic nanostructures. *Nanoscale*, **2015**, 7, 6409-19 | 7.7 | 214 |
| 141 | Direct and reliable patterning of plasmonic nanostructures with sub-10-nm gaps. *ACS Nano*, **2011**, 5, 7593-600 | 13.0 | 207 |
| 140 | Giant photoluminescence enhancement in tungsten-diselenide-gold plasmonic hybrid structures. *Nature Communications*, **2016**, 7, 11283 | 17.4 | 201 |
| 139 | Printing Beyond sRGB Color Gamut by Mimicking Silicon Nanostructures in Free-Space. *Nano Letters* , **2017**, 17, 7620-7628 | 11.5 | 169 |
| 138 | Using high-contrast salty development of hydrogen silsesquioxane for sub-10-nm half-pitch lithography. *Journal of Vacuum Science & Technology B*, **2007**, 25, 2025 | | 150 |
| 137 | Silicon multi-meta-holograms for the broadband visible light. *Laser and Photonics Reviews*, **2016**, 10, 500-509 | 8.9 | 143 |

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| 136 | Plasmon-modulated photoluminescence of individual gold nanostructures. *ACS Nano*, **2012**, 6, 10147-55 | 16.7 | 134 |
| 135 | Understanding of hydrogen silsesquioxane electron resist for sub-5-nm-half-pitch lithography. *Journal of Vacuum Science & Technology B*, **2009**, 27, 2622 | | 134 |
| 134 | Modeling the Electrical and Thermal Response of Superconducting Nanowire Single-Photon Detectors. *IEEE Transactions on Applied Superconductivity*, **2007**, 17, 581-585 | 1.8 | 132 |
| 133 | Constriction-limited detection efficiency of superconducting nanowire single-photon detectors. *Applied Physics Letters*, **2007**, 90, 101110 | 3.4 | 129 |
| 132 | Noninterleaved Metasurface for (2-1) Spin- and Wavelength-Encoded Holograms. *Nano Letters*, **2018**, 18, 8016-8024 | 11.5 | 125 |
| 131 | Optical properties of superconducting nanowire single-photon detectors. *Optics Express*, **2008**, 16, 10750-61 | 3.5 | 122 |
| 130 | 781 Mbit/s photon-counting optical communications using a superconducting nanowire detector. *Optics Letters*, **2006**, 31, 444-6 | 3 | 121 |
| 129 | Holographic colour prints for enhanced optical security by combined phase and amplitude control. *Nature Communications*, **2019**, 10, 25 | 17.4 | 120 |
| 128 | Surface plasmon damping quantified with an electron nanoprobe. *Scientific Reports*, **2013**, 3, 1312 | 4.9 | 116 |
| 127 | Layer-by-layer assembly of Ag nanowires into 3D woodpile-like structures to achieve high density "hot spots" for surface-enhanced Raman scattering. *Langmuir*, **2013**, 29, 7061-9 | 4 | 106 |
| 126 | Electrothermal feedback in superconducting nanowire single-photon detectors. *Physical Review B*, **2009**, 79, | 3.3 | 105 |
| 125 | Fowler-Nordheim tunneling induced charge transfer plasmons between nearly touching nanoparticles. *ACS Nano*, **2013**, 7, 707-16 | 16.7 | 103 |
| 124 | Wide Bandgap Phase Change Material Tuned Visible Photonics. *Advanced Functional Materials*, **2019**, 29, 1806181 | 15.6 | 103 |
| 123 | Photon-number-resolution with sub-30-ps timing using multi-element superconducting nanowire single photon detectors. *Journal of Modern Optics*, **2009**, 56, 364-373 | 1.1 | 95 |
| 122 | Structural color three-dimensional printing by shrinking photonic crystals. *Nature Communications*, **2019**, 10, 4340 | 17.4 | 93 |
| 121 | Scanning-helium-ion-beam lithography with hydrogen silsesquioxane resist. *Journal of Vacuum Science & Technology B*, **2009**, 27, 2702 | | 85 |
| 120 | Encapsulated annealing: enhancing the plasmon quality factor in lithographically-defined nanostructures. *Scientific Reports*, **2014**, 4, 5537 | 4.9 | 81 |
| 119 | Multi-Element Superconducting Nanowire Single-Photon Detector. *IEEE Transactions on Applied Superconductivity*, **2007**, 17, 279-284 | 1.8 | 81 |

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|---|---|---|---|
| 118 | Nanophotonic Structural Colors. *ACS Photonics*, **2021**, 8, 18-33 | 6.3 | 80 |
| 117 | Sub-10-nm half-pitch electron-beam lithography by using poly(methyl methacrylate) as a negative resist. *Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics*, **2010**, 28, C6C58-C6C62 | 1.3 | 76 |
| 116 | Si-containing block copolymers for self-assembled nanolithography. *Journal of Vacuum Science & Technology B*, **2008**, 26, 2489-2494 | | 75 |
| 115 | Tunable Resonator-Upconverted Emission (TRUE) Color Printing and Applications in Optical Security. *Advanced Materials*, **2019**, 31, e1807900 | 24 | 71 |
| 114 | Large Area Plasmonic Color Palettes with Expanded Gamut Using Colloidal Self-Assembly. *ACS Photonics*, **2016**, 3, 627-633 | 6.3 | 70 |
| 113 | Sub-10 nm nanoimprint lithography by wafer bowing. *Nano Letters*, **2008**, 8, 3865-9 | 11.5 | 70 |
| 112 | Upconversion superburst with sub-2 μs lifetime. *Nature Nanotechnology*, **2019**, 14, 1110-1115 | 28.7 | 69 |
| 111 | Second-Harmonic Generation from Sub-5 nm Gaps by Directed Self-Assembly of Nanoparticles onto Template-Stripped Gold Substrates. *Nano Letters*, **2015**, 15, 5976-81 | 11.5 | 61 |
| 110 | A high performance, visible to mid-infrared photodetector based on graphene nanoribbons passivated with HfO2. *Nanoscale*, **2016**, 8, 327-32 | 7.7 | 60 |
| 109 | Selectively Plasmon-Enhanced Second-Harmonic Generation from Monolayer Tungsten Diselenide on Flexible Substrates. *ACS Nano*, **2018**, 12, 1859-1867 | 16.7 | 58 |
| 108 | Wide-Gamut Plasmonic Color Palettes with Constant Subwavelength Resolution. *ACS Nano*, **2019**, 13, 3580-3588 | 16.7 | 57 |
| 107 | Wideband Absorbers in the Visible with Ultrathin Plasmonic-Phase Change Material Nanogratings. *Journal of Physical Chemistry C*, **2016**, 120, 12713-12722 | 3.8 | 54 |
| 106 | Enhanced ordering in gold nanoparticles self-assembly through excess free ligands. *Langmuir*, **2011**, 27, 3355-60 | 4 | 51 |
| 105 | Dielectric multi-momentum meta-transformer in the visible. *Nature Communications*, **2019**, 10, 4789 | 17.4 | 50 |
| 104 | Electron-energy loss study of nonlocal effects in connected plasmonic nanoprisms. *ACS Nano*, **2013**, 7, 6287-96 | 16.7 | 49 |
| 103 | Limiting factors in sub-10nm scanning-electron-beam lithography. *Journal of Vacuum Science & Technology B*, **2009**, 27, 2616 | | 49 |
| 102 | Fabrication and characterization of bit-patterned media beyond 1.5 Tbit/in2. *Nanotechnology*, **2011**, 22, 385301 | 3.4 | 48 |
| 101 | Tunable, Cost-Effective, and Scalable Structural Colors for Sensing and Consumer Products. *Advanced Optical Materials*, **2019**, 7, 1900735 | 8.1 | 47 |

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| 100 | From 1D to 3D: Tunable Sub-10 nm Gaps in Large Area Devices. *Advanced Materials*, **2016**, 28, 2956-63 | 24 | 46 |
| 99 | Stepwise-Nanocavity-Assisted Transmissive Color Filter Array Microprints. *Research*, **2018**, 2018, 8109054 | 7.8 | 44 |
| 98 | Structural multi-colour invisible inks with submicron 4D printing of shape memory polymers. *Nature Communications*, **2021**, 12, 112 | 17.4 | 42 |
| 97 | Sub-15nm nanoimprint molds and pattern transfer. *Journal of Vacuum Science & Technology B*, **2009**, 27, 2837 | | 40 |
| 96 | Anomalous behavior of nearly-entire visible band manipulated with degenerated image dipole array. *Nanoscale*, **2014**, 6, 12303-9 | 7.7 | 39 |
| 95 | Comparative Study of Plasmonic Colors from All-Metal Structures of Posts and Pits. *ACS Photonics*, **2016**, 3, 1000-1009 | 6.3 | 39 |
| 94 | A circuit model for plasmonic resonators. *Optics Express*, **2014**, 22, 9809-19 | 3.3 | 38 |
| 93 | All-metal nanostructured substrates as subtractive color reflectors with near-perfect absorptance. *Optics Express*, **2015**, 23, 32597-605 | 3.3 | 37 |
| 92 | Fabrication development for nanowire GHz-counting-rate single-photon detectors. *IEEE Transactions on Applied Superconductivity*, **2005**, 15, 626-630 | 1.8 | 37 |
| 91 | Controlled collapse of high-aspect-ratio nanostructures. *Small*, **2011**, 7, 2661-8 | 11 | 36 |
| 90 | Enhancing the Potential of Block Copolymer Lithography with Polymer Self-Consistent Field Theory Simulations. *Macromolecules*, **2010**, 43, 8290-8295 | 5.5 | 36 |
| 89 | Metrology for electron-beam lithography and resist contrast at the sub-10 nm scale. *Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics*, **2010**, 28, C6H11-C6H17 | 1.3 | 35 |
| 88 | Highly Directive Hybrid Metal-Dielectric Yagi-Uda Nanoantennas. *ACS Nano*, **2018**, 12, 8616-8624 | 16.7 | 34 |
| 87 | Rewritable color nanoprints in antimony trisulfide films. *Science Advances*, **2020**, 6, | 14.3 | 33 |
| 86 | Sub-10 nm patterning of gold nanostructures on silicon-nitride membranes for plasmon mapping with electron energy-loss spectroscopy. *Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics*, **2010**, 28, C6O45-C6O49 | 1.3 | 33 |
| 85 | Room-temperature mid-infrared photodetector in all-carbon graphene nanoribbon-C_60 hybrid nanostructure. *Optica*, **2016**, 3, 979 | 8.6 | 33 |
| 84 | Voltage-gated optics and plasmonics enabled by solid-state proton pumping. *Nature Communications*, **2019**, 10, 5030 | 17.4 | 32 |
| 83 | Electrically-Excited Surface Plasmon Polaritons with Directionality Control. *ACS Photonics*, **2015**, 2, 385-391 | 6.3 | 31 |

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| 82 | Large Area Directed Self-Assembly of Sub-10 nm Particles with Single Particle Positioning Resolution. *Nano Letters*, **2015**, 15, 6066-70 | 11.5 | 31 |
| 81 | Directed self-assembly of densely packed gold nanoparticles. *Langmuir*, **2012**, 28, 16782-7 | 4 | 28 |
| 80 | Free-standing sub-10 nm nanostencils for the definition of gaps in plasmonic antennas. *Nanotechnology*, **2013**, 24, 185301 | 3.4 | 28 |
| 79 | Accurate Modeling of Dark-Field Scattering Spectra of Plasmonic Nanostructures. *ACS Nano*, **2015**, 9, 10039-46 | 16.7 | 27 |
| 78 | Dynamically configurable hybridization of plasmon modes in nanoring dimer arrays. *Nanoscale*, **2015**, 7, 12018-22 | 7.7 | 26 |
| 77 | Metasurface-Driven Optically Variable Devices. *Chemical Reviews*, **2021**, 121, 13013-13050 | 68.1 | 26 |
| 76 | Template-induced structure transition in sub-10 nm self-assembling nanoparticles. *Nano Letters*, **2014**, 14, 2642-6 | 11.5 | 24 |
| 75 | Toward Near-Perfect Diffractive Optical Elements Nanoscale 3D Printing. *ACS Nano*, **2020**, 14, 10452-10461 | 16.7 | 24 |
| 74 | Complex Inverse Design of Meta-optics by Segmented Hierarchical Evolutionary Algorithm. *ACS Nano*, **2019**, 13, 821-829 | 16.7 | 24 |
| 73 | Nanoscale spirals by directed self-assembly. *Nano Futures*, **2017**, 1, 015001 | 3.6 | 23 |
| 72 | Contrast enhancement behavior of hydrogen silsesquioxane in a salty developer. *Journal of Vacuum Science & Technology B*, **2009**, 27, 2635 | | 23 |
| 71 | On the correlation of absorption cross-section with plasmonic color generation. *Optics Express*, **2017**, 25, 27652-27664 | 3.3 | 22 |
| 70 | Stacking of colors in exfoliable plasmonic superlattices. *Nanoscale*, **2016**, 8, 18228-18234 | 7.7 | 22 |
| 69 | Ultraviolet Interband Plasmonics With Si Nanostructures. *Nano Letters*, **2019**, 19, 8040-8048 | 11.5 | 21 |
| 68 | Suppressed Critical Current in Superconducting Nanowire Single-Photon Detectors With High Fill-Factors. *IEEE Transactions on Applied Superconductivity*, **2009**, 19, 318-322 | 1.8 | 21 |
| 67 | Probing Vertical and Horizontal Plasmonic Resonant States in the Photoluminescence of Gold Nanodisks. *ACS Photonics*, **2015**, 2, 1217-1223 | 6.3 | 20 |
| 66 | Anomalous Shift Behaviors in the Photoluminescence of Dolmen-Like Plasmonic Nanostructures. *ACS Photonics*, **2016**, 3, 979-984 | 6.3 | 20 |
| 65 | Off-Axis Holography with Uniform Illumination via 3D Printed Diffractive Optical Elements. *Advanced Optical Materials*, **2019**, 7, 1900068 | 8.1 | 19 |

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| 64 | Room temperature Coulomb blockade effects in Au nanocluster/pentacene single electron transistors. *Nanotechnology*, **2015**, 26, 355204 | 3.4 | 19 |
| 63 | Photoluminescence via gap plasmons between single silver nanowires and a thin gold film. *Nanoscale*, **2013**, 5, 12086-91 | 7.7 | 19 |
| 62 | High aspect ratio 10-nm-scale nanoaperture arrays with template-guided metal dewetting. *Scientific Reports*, **2015**, 5, 9654 | 4.9 | 18 |
| 61 | Enhancing etch resistance of hydrogen silsesquioxane via postdevelop electron curinga). *Journal of Vacuum Science & Technology B*, **2006**, 24, 3157 | | 18 |
| 60 | In-Plane Direct-Write Assembly of Iridescent Colloidal Crystals. *Small*, **2020**, 16, e1905519 | 11 | 17 |
| 59 | Nanostructure Formation by controlled dewetting on patterned substrates: A combined theoretical, modeling and experimental study. *Scientific Reports*, **2016**, 6, 32398 | 4.9 | 17 |
| 58 | Directed Self-Assembly of sub-10 nm Particles: Role of Driving Forces and Template Geometry in Packing and Ordering. *Langmuir*, **2015**, 31, 8548-57 | 4 | 16 |
| 57 | Direct Color Printing with an Electron Beam. *Nano Letters*, **2020**, 20, 4422-4429 | 11.5 | 16 |
| 56 | Direct excitation of dark plasmonic resonances under visible light at normal incidence. *Nanoscale*, **2014**, 6, 2106-11 | 7.7 | 16 |
| 55 | Sub-10-nm suspended nano-web formation by direct laser writing. *Nano Futures*, **2018**, 2, 025006 | 3.6 | 16 |
| 54 | Rotation-Selective Moir Magnification of Structural Color Pattern Arrays. *ACS Nano*, **2019**, 13, 14138-14144 | 14.7 | 15 |
| 53 | Surface-Enhanced Infrared Absorption Spectroscopy Using Charge Transfer Plasmons. *ACS Photonics*, **2019**, 6, 1272-1278 | 6.3 | 14 |
| 52 | Darkfield colors from multi-periodic arrays of gap plasmon resonators. *Nanophotonics*, **2020**, 9, 533-545 | 6.3 | 14 |
| 51 | Charge transfer plasmon resonances across silver olecule ilver junctions: estimating the terahertz conductance of molecules at near-infrared frequencies. *RSC Advances*, **2016**, 6, 70884-70894 | 3.7 | 14 |
| 50 | Fabrication of suspended metal-dielectric-metal plasmonic nanostructures. *Nanotechnology*, **2014**, 25, 135303 | 3.4 | 14 |
| 49 | Fabrication and Characterization of Suspended Uniaxial Tensile Strained-Si Nanowires for Gate-All-Around Nanowire n-MOSFETs. *ECS Transactions*, **2009**, 16, 57-68 | 1 | 14 |
| 48 | In-plane coherent control of plasmon resonances for plasmonic switching and encoding. *Light: Science and Applications*, **2019**, 8, 21 | 16.7 | 13 |
| 47 | Micro-tags for art: covert visible and infrared images using gap plasmons in native aluminum oxide. *Optical Materials Express*, **2019**, 9, 788 | 2.6 | 13 |

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| 46 | Patterned resist on flat silver achieving saturated plasmonic colors with sub-20-nm spectral linewidth. *Materials Today*, **2020**, 35, 99-105 | 21.8 | 13 |
| 45 | Single-Layer Aberration-Compensated Flat Lens for Robust Wide-Angle Imaging. *Laser and Photonics Reviews*, **2020**, 14, 2000017 | 8.3 | 12 |
| 44 | 1.25-Gbit/s photon-counting optical communications using a two-element superconducting nanowire single photon detector **2006**, 6372, 286 | | 12 |
| 43 | Multiphoton Upconversion Enhanced by Deep Subwavelength Near-Field Confinement. *Nano Letters*, **2021**, 21, 3044-3051 | 11.5 | 12 |
| 42 | Plasmon excitation on flat graphene by s-polarized beams using four-wave mixing. *Optics Express*, **2015**, 23, 7809-19 | 3.3 | 11 |
| 41 | Chalcogenide active photonics **2017**, | | 11 |
| 40 | Directed self-assembly of sub-10 nm particle clusters using topographical templates. *Nanotechnology*, **2016**, 27, 424001 | 3.4 | 11 |
| 39 | Full Color and Grayscale Painting with 3D Printed Low-Index Nanopillars. *Nano Letters*, **2021**, 21, 4721-4729 | 11.5 | 9 |
| 38 | Schrödinger's red pixel by quasi-bound-states-in-the-continuum.. *Science Advances*, **2022**, 8, eabm4512 | 14.3 | 9 |
| 37 | In situ study of hydrogen silsesquioxane dissolution rate in salty and electrochemical developers. *Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics*, **2011**, 29, 06FJ01 | 1.3 | 8 |
| 36 | Acoustic Vibration-Induced Actuation of Multiple Microrotors in Microfluidics. *Advanced Materials Technologies*, **2020**, 5, 2000323 | 6.8 | 8 |
| 35 | High-resolution light field prints by nanoscale 3D printing. *Nature Communications*, **2021**, 12, 3728 | 17.4 | 8 |
| 34 | Energy transfer and depolarization in the photoluminescence of a plasmonic molecule. *Nanoscale*, **2017**, 9, 2082-2087 | 7.7 | 7 |
| 33 | ENGINEERING PLASMONIC COLORS IN METAL NANOSTRUCTURES. *Journal of Molecular and Engineering Materials*, **2014**, 02, 1440011 | 1.3 | 7 |
| 32 | Templated self-assembly of Si-containing block copolymers for nanoscale device fabrication **2010**, | | 7 |
| 31 | Reconfiguring Colors of Single Relief Structures by Directional Stretching. *Advanced Materials*, **2021**, e2108128 | 24 | 7 |
| 30 | Optical Fireworks Based on Multifocal Three-Dimensional Color Prints. *ACS Nano*, **2021**, 15, 10185-10193 | 16.7 | 7 |
| 29 | Image Dipole Method for the Beaming of Plasmons from Point Sources. *ACS Photonics*, **2014**, 1, 1307-1313 | 6.3 | 6 |

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| 28 | A facile approach for screening isolated nanomagnetic behavior for bit-patterned media. *Nanotechnology*, **2014**, 25, 225203 | 3.4 | 6 |
| 27 | Electrochemical development of hydrogen silsesquioxane by applying an electrical potential. *Nanotechnology*, **2011**, 22, 375301 | 3.4 | 6 |
| 26 | Nanoscale mapping of optically inaccessible bound-states-in-the-continuum.. *Light: Science and Applications*, **2022**, 11, 20 | 16.7 | 6 |
| 25 | Hierarchical Colorful Structures by Three-Dimensional Printing of Inverse Opals. *Nano Letters*, **2021**, 21, 8602-8608 | 11.5 | 6 |
| 24 | Bio-inspired Photonic Masquerade with Perturbative Metasurfaces. *ACS Nano*, **2020**, 14, 7529-7537 | 16.7 | 5 |
| 23 | Determination of Position Jitter and Dot-Size Fluctuations in Patterned Arrays Fabricated by the Directed Self-Assembly of Gold Nanoparticles. *IEEE Transactions on Magnetics*, **2014**, 50, 51-55 | 2 | 5 |
| 22 | Effect of inter-bit material on the performance of directly deposited bit patterned media. *Applied Physics Letters*, **2012**, 101, 152403 | 3.4 | 5 |
| 21 | Pattern Generation by Using Multistep Room-Temperature Nanoimprint Lithography. *IEEE Nanotechnology Magazine*, **2007**, 6, 639-644 | 2.6 | 5 |
| 20 | Applying Machine Learning to the Optics of Dielectric Nanoblobs. *Advanced Photonics Research*, **2020**, 1, 2000068 | 1.9 | 5 |
| 19 | Silicon Nanoantenna Mix Arrays for a Trifecta of Quantum Emitter Enhancements. *Nano Letters*, **2021**, 21, 4853-4860 | 11.5 | 5 |
| 18 | Secure Printing: Tunable Resonator-Upconverted Emission (TRUE) Color Printing and Applications in Optical Security (Adv. Mater. 15/2019). *Advanced Materials*, **2019**, 31, 1970106 | 24 | 4 |
| 17 | Miniaturization of grayscale images. *Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics*, **2011**, 29, 06F313 | 1.3 | 4 |
| 16 | Comparison of bit-patterned media fabricated by methods of direct deposition and ion-milling of cobalt/palladium multilayers. *Journal of Applied Physics*, **2012**, 111, 103906 | 2.5 | 4 |
| 15 | Demonstration of gigabit-per-second and higher data rates at extremely high efficiency using superconducting nanowire single photon detectors **2007**, | | 4 |
| 14 | High-data-rate photon-counting optical communications using a NbN-nanowire superconducting detector **2006**, | | 4 |
| 13 | 3D printed fiber sockets for plug and play micro-optics. *International Journal of Extreme Manufacturing*, **2021**, 3, 015301 | 7.9 | 4 |
| 12 | Plasma-assisted filling electron beam lithography for high throughput patterning of large area closed polygon nanostructures. *Nanoscale*, **2020**, 12, 10584-10591 | 7.7 | 3 |
| 11 | Plasmon-Assisted Zone-Selective Repair of Nanoscale Electrical Breakdown Paths in Metal/Oxide/Metal Structures for Near-Field Optical Sensing. *ACS Applied Nano Materials*, **2018**, 1, 4340-4350 | 5.6 | 3 |

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| 10 | Channel Characterization and Performance Evaluation of Bit-Patterned Media. *IEEE Transactions on Magnetics*, **2013**, 49, 723-729 | 2 | 3 |
| 9 | A study on dynamic heat assisted magnetization reversal mechanisms under insufficient reversal field conditions. *Applied Physics Letters*, **2014**, 105, 162402 | 3.4 | 3 |
| 8 | Molecular Materials Meeting (M3@Singapore). *Australian Journal of Chemistry*, **2011**, 64, 1181 | 1.2 | 3 |
| 7 | Asymmetric parametric generation of images with nonlinear dielectric metasurfaces. *Nature Photonics*, | 33.9 | 3 |
| 6 | Second order directed positioning of nanoparticles induced by the main terminal meniscus shape in irregular template cavities. *Nanoscale*, **2017**, 9, 9886-9892 | 7.7 | 2 |
| 5 | Design, Manufacture, and Analysis of Photonic Materials for Historical and Modern Visual Art: feature issue introduction. *Optical Materials Express*, **2019**, 9, 2128 | 2.6 | 2 |
| 4 | Large-Aperture and Grain-Boundary Engineering through Template-Assisted Metal Dewetting for Resonances in the Short Wave Infrared. *ACS Photonics*, **2018**, 5, 511-519 | 6.3 | 1 |
| 3 | Increased detection efficiencies of nanowire single-photon detectors by integration of an optical cavity and anti-reflection coating **2006**, | | 1 |
| 2 | A Modular Design of Continuously Tunable Full Color Plasmonic Pixels with Broken Rotational Symmetry. *Advanced Functional Materials*,2108437 | 15.6 | 0 |
| 1 | Optimization of Bit-Patterned Media Recording (BPMR) System via Tolerance Design. *IEEE Transactions on Magnetics*, **2013**, 49, 3624-3627 | 2 | |