# Joel K W Yang

List of Publications by Year
in descending order



| 160 | 13,155 | 26567 | 23472 |
|---|---|---|---|
| papers | citations | 56 h-index | 111 g-index |

| 161 | 161 | 161 | 11367 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Printing colour at the optical diffraction limit. Nature Nanotechnology, 2012, 7, 557-561. | 15.6 | 800 |
| 2 | Graphoepitaxy of Self-Assembled Block Copolymers on Two-Dimensional Periodic Patterned Templates. Science, 2008, 321, 939-943. | 6.0 | 760 |
| 3 | Plasmonic colour generation. Nature Reviews Materials, 2017, 2, . | 23.3 | 620 |
| 4 | Plasmonic Color Palettes for Photorealistic Printing with Aluminum Nanostructures. Nano Letters, 2014, 14, 4023-4029. | 4.5 | 501 |
| 5 | Nanoplasmonics: Classical down to the Nanometer Scale. Nano Letters, 2012, 12, 1683-1689. | 4.5 | 389 |
| 6 | Quantum Plasmon Resonances Controlled by Molecular Tunnel Junctions. Science, 2014, 343, 1496-1499. | 6.0 | 388 |
| 7 | Kinetic-inductance-limited reset time of superconducting nanowire photon counters. Applied Physics Letters, 2006, 88, 111116. | 1.5 | 358 |
| 8 | Nanowire single-photon detector with an integrated optical cavity and anti-reflection coating. Optics Express, 2006, 14, 527. | 1.7 | 350 |
| 9 | Three-dimensional plasmonic stereoscopic prints in full colour. Nature Communications, 2014, 5, 5361. | 5.8 | 269 |
| 10 | Color generationviasubwavelength plasmonic nanostructures. Nanoscale, 2015, 7, 6409-6419. | 2.8 | 262 |
| 11 | High-Resolution Mapping of Electron-Beam-Excited Plasmon Modes in Lithographically Defined Gold Nanostructures. Nano Letters, 2011, 11, 1323-1330. | 4.5 | 253 |
| 12 | Complex self-assembled patterns using sparse commensurate templates with locally varying motifs. Nature Nanotechnology, 2010, 5, 256-260. | 15.6 | 245 |
| 13 | Giant photoluminescence enhancement in tungsten-diselenideâ€“gold plasmonic hybrid structures. Nature Communications, 2016, 7, 11283. | 5.8 | 244 |
| 14 | Printing Beyond sRGB Color Gamut by Mimicking Silicon Nanostructures in Free-Space. Nano Letters, 2017, 17, 7620-7628. | 4.5 | 239 |
| 15 | Direct and Reliable Patterning of Plasmonic Nanostructures with Sub-10-nm Gaps. ACS Nano, 2011, 5, 7593-7600. | 7.3 | 231 |
| 16 | Holographic colour prints for enhanced optical security by combined phase and amplitude control. Nature Communications, 2019, 10, 25. | 5.8 | 208 |
| 17 | Wide Bandgap Phase Change Material Tuned Visible Photonics. Advanced Functional Materials, 2019, 29, 1806181. | 7.8 | 192 |
| 18 | Noninterleaved Metasurface for (2<sup>6</sup>-1) Spin- and Wavelength-Encoded Holograms. Nano Letters, 2018, 18, 8016-8024. | 4.5 | 187 |

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|---|---|---|---|
| 19 | Structural color three-dimensional printing by shrinking photonic crystals. Nature Communications, 2019, 10, 4340. | 5.8 | 184 |
| 20 | Silicon multiâ€metaâ€holograms for the broadband visible light. Laser and Photonics Reviews, 2016, 10, 500-509. | 4.4 | 181 |
| 21 | Nanophotonic Structural Colors. ACS Photonics, 2021, 8, 18-33. | 3.2 | 181 |
| 22 | Modeling the Electrical and Thermal Response of Superconducting Nanowire Single-Photon Detectors. IEEE Transactions on Applied Superconductivity, 2007, 17, 581-585. | 1.1 | 174 |
| 23 | Using high-contrast salty development of hydrogen silsesquioxane for sub-10-nm half-pitch lithography. Journal of Vacuum Science & Technology B, 2007, 25, 2025-2029. | 1.3 | 167 |
| 24 | Constriction-limited detection efficiency of superconducting nanowire single-photon detectors. Applied Physics Letters, 2007, 90, 101110. | 1.5 | 163 |
| 25 | 781 Mbit/s photon-counting optical communications using a superconducting nanowire detector. Optics Letters, 2006, 31, 444. | 1.7 | 161 |
| 26 | Plasmon-Modulated Photoluminescence of Individual Gold Nanostructures. ACS Nano, 2012, 6, 10147-10155. | 7.3 | 157 |
| 27 | Understanding of hydrogen silsesquioxane electron resist for sub-5-nm-half-pitch lithography. Journal of Vacuum Science & Technology B, 2009, 27, 2622-2627. | 1.3 | 148 |
| 28 | Optical properties of superconducting nanowire single-photon detectors. Optics Express, 2008, 16, 10750. | 1.7 | 146 |
| 29 | Surface Plasmon Damping Quantified with an Electron Nanoprobe. Scientific Reports, 2013, 3, 1312. | 1.6 | 133 |
| 30 | Electrothermal feedback in superconducting nanowire single-photon detectors. Physical Review B, 2009, 79, . | 1.1 | 132 |
| 31 | Upconversion superburst with sub-2â€‰Î¼s lifetime. Nature Nanotechnology, 2019, 14, 1110-1115. | 15.6 | 130 |
| 32 | Metasurface-Driven Optically Variable Devices. Chemical Reviews, 2021, 121, 13013-13050. | 23.0 | 125 |
| 33 | Photon-number-resolution with sub-30-ps timing using multi-element superconducting nanowire single photon detectors. Journal of Modern Optics, 2009, 56, 364-373. | 0.6 | 122 |
| 34 | Layer-By-Layer Assembly of Ag Nanowires into 3D Woodpile-like Structures to Achieve High Density â€œHot Spotsâ€•for Surface-Enhanced Raman Scattering. Langmuir, 2013, 29, 7061-7069. | 1.6 | 116 |
| 35 | Fowlerâ€“Nordheim Tunneling Induced Charge Transfer Plasmons between Nearly Touching Nanoparticles. ACS Nano, 2013, 7, 707-716. | 7.3 | 114 |
| 36 | Multi-Element Superconducting Nanowire Single-Photon Detector. IEEE Transactions on Applied Superconductivity, 2007, 17, 279-284. | 1.1 | 113 |

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| 37 | Tunable Resonatorâ€Upconverted Emission (TRUE) Color Printing and Applications in Optical Security. Advanced Materials, 2019, 31, e1807900. | 11.1 | 111 |
| 38 | Structural multi-colour invisible inks with submicron 4D printing of shape memory polymers. Nature Communications, 2021, 12, 112. | 5.8 | 102 |
| 39 | Selectively Plasmon-Enhanced Second-Harmonic Generation from Monolayer Tungsten Diselenide on Flexible Substrates. ACS Nano, 2018, 12, 1859-1867. | 7.3 | 97 |
| 40 | Encapsulated Annealing: Enhancing the Plasmon Quality Factor in Lithographicallyâ€“Defined Nanostructures. Scientific Reports, 2014, 4, 5537. | 1.6 | 96 |
| 41 | Scanning-helium-ion-beam lithography with hydrogen silsesquioxane resist. Journal of Vacuum Science & Technology B, 2009, 27, 2702-2706. | 1.3 | 95 |
| 42 | 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. | 0.6 | 86 |
| 43 | Second-Harmonic Generation from Sub-5 nm Gaps by Directed Self-Assembly of Nanoparticles onto Template-Stripped Gold Substrates. Nano Letters, 2015, 15, 5976-5981. | 4.5 | 86 |
| 44 | Rewritable color nanoprints in antimony trisulfide films. Science Advances, 2020, 6, . | 4.7 | 86 |
| 45 | Si-containing block copolymers for self-assembled nanolithography. Journal of Vacuum Science & Technology B, 2008, 26, 2489-2494. | 1.3 | 82 |
| 46 | Dielectric multi-momentum meta-transformer in the visible. Nature Communications, 2019, 10, 4789. | 5.8 | 82 |
| 47 | Large Area Plasmonic Color Palettes with Expanded Gamut Using Colloidal Self-Assembly. ACS Photonics, 2016, 3, 627-633. | 3.2 | 81 |
| 48 | Sub-10 nm Nanoimprint Lithography by Wafer Bowing. Nano Letters, 2008, 8, 3865-3869. | 4.5 | 75 |
| 49 | A high performance, visible to mid-infrared photodetector based on graphene nanoribbons passivated with HfO<sub>2</sub>. Nanoscale, 2016, 8, 327-332. | 2.8 | 74 |
| 50 | Wide-Gamut Plasmonic Color Palettes with Constant Subwavelength Resolution. ACS Nano, 2019, 13, 3580-3588. | 7.3 | 74 |
| 51 | Tunable, Costâ€Effective, and Scalable Structural Colors for Sensing and Consumer Products. Advanced Optical Materials, 2019, 7, 1900735. | 3.6 | 63 |
| 52 | Electron-Energy Loss Study of Nonlocal Effects in Connected Plasmonic Nanoprisms. ACS Nano, 2013, 7, 6287-6296. | 7.3 | 62 |
| 53 | Highly Directive Hybrid Metalâ€“Dielectric Yagi-Uda Nanoantennas. ACS Nano, 2018, 12, 8616-8624. | 7.3 | 61 |
| 54 | Toward Near-Perfect Diffractive Optical Elements via Nanoscale 3D Printing. ACS Nano, 2020, 14, 10452-10461. | 7.3 | 61 |

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| 55 | Wideband Absorbers in the Visible with Ultrathin Plasmonic-Phase Change Material Nanogratings. Journal of Physical Chemistry C, 2016, 120, 12713-12722. | 1.5 | 60 |
| 56 | Stepwise-Nanocavity-Assisted Transmissive Color Filter Array Microprints. Research, 2018, 2018, 8109054. | 2.8 | 60 |
| 57 | Enhanced Ordering in Gold Nanoparticles Self-Assembly through Excess Free Ligands. Langmuir, 2011, 27, 3355-3360. | 1.6 | 57 |
| 58 | Limiting factors in sub-10â€‚nm scanning-electron-beam lithography. Journal of Vacuum Science & Technology B, 2009, 27, 2616. | 1.3 | 55 |
| 59 | Fabrication and characterization of bit-patterned media beyond 1.5 Tbit/in<sup>2</sup>. Nanotechnology, 2011, 22, 385301. | 1.3 | 55 |
| 60 | A circuit model for plasmonic resonators. Optics Express, 2014, 22, 9809. | 1.7 | 54 |
| 61 | From 1D to 3D: Tunable Subâ€10 nm Gaps in Large Area Devices. Advanced Materials, 2016, 28, 2956-2963. | 11.1 | 53 |
| 62 | SchrÃ¶dingerâ€™s red pixel by quasi-bound-states-in-the-continuum. Science Advances, 2022, 8, eabm4512. | 4.7 | 53 |
| 63 | Voltage-gated optics and plasmonics enabled by solid-state proton pumping. Nature Communications, 2019, 10, 5030. | 5.8 | 51 |
| 64 | Fabrication Development for Nanowire GHz-Counting-Rate Single-Photon Detectors. IEEE Transactions on Applied Superconductivity, 2005, 15, 626-630. | 1.1 | 50 |
| 65 | Comparative Study of Plasmonic Colors from All-Metal Structures of Posts and Pits. ACS Photonics, 2016, 3, 1000-1009. | 3.2 | 49 |
| 66 | Multiphoton Upconversion Enhanced by Deep Subwavelength Near-Field Confinement. Nano Letters, 2021, 21, 3044-3051. | 4.5 | 48 |
| 67 | Asymmetric parametric generation of images with nonlinear dielectric metasurfaces. Nature Photonics, 2022, 16, 561-565. | 15.6 | 45 |
| 68 | Controlled Collapse of Highâ€Aspectâ€Ratio Nanostructures. Small, 2011, 7, 2661-2668. | 5.2 | 44 |
| 69 | Anomalous behavior of nearly-entire visible band manipulated with degenerated image dipole array. Nanoscale, 2014, 6, 12303-12309. | 2.8 | 43 |
| 70 | Sub-15nm nanoimprint molds and pattern transfer. Journal of Vacuum Science & Technology B, 2009, 27, 2837-2840. | 1.3 | 42 |
| 71 | Large Area Directed Self-Assembly of Sub-10 nm Particles with Single Particle Positioning Resolution. Nano Letters, 2015, 15, 6066-6070. | 4.5 | 42 |
| 72 | All-metal nanostructured substrates as subtractive color reflectors with near-perfect absorptance. Optics Express, 2015, 23, 32597. | 1.7 | 41 |

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| 73 | Accurate Modeling of Dark-Field Scattering Spectra of Plasmonic Nanostructures. ACS Nano, 2015, 9, 10039-10046. | 7.3 | 41 |
| 74 | Ultraviolet Interband Plasmonics With Si Nanostructures. Nano Letters, 2019, 19, 8040-8048. | 4.5 | 41 |
| 75 | Room-temperature mid-infrared photodetector in all-carbon graphene nanoribbon-C_60 hybrid nanostructure. Optica, 2016, 3, 979. | 4.8 | 40 |
| 76 | Complex Inverse Design of Meta-optics by Segmented Hierarchical Evolutionary Algorithm. ACS Nano, 2019, 13, 821-829. | 7.3 | 40 |
| 77 | Reversible Tuning of Mie Resonances in the Visible Spectrum. ACS Nano, 2021, 15, 19722-19732. | 7.3 | 40 |
| 78 | 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. | 0.6 | 39 |
| 79 | 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. | 0.6 | 38 |
| 80 | Enhancing the Potential of Block Copolymer Lithography with Polymer Self-Consistent Field Theory Simulations. Macromolecules, 2010, 43, 8290-8295. | 2.2 | 38 |
| 81 | Direct Color Printing with an Electron Beam. Nano Letters, 2020, 20, 4422-4429. | 4.5 | 38 |
| 82 | Electrically-Excited Surface Plasmon Polaritons with Directionality Control. ACS Photonics, 2015, 2, 385-391. | 3.2 | 34 |
| 83 | Full Color and Grayscale Painting with 3D Printed Low-Index Nanopillars. Nano Letters, 2021, 21, 4721-4729. | 4.5 | 34 |
| 84 | Singleâ€Layer Aberrationâ€Compensated Flat Lens for Robust Wideâ€Angle Imaging. Laser and Photonics Reviews, 2020, 14, 2000017. | 4.4 | 33 |
| 85 | Dynamically configurable hybridization of plasmon modes in nanoring dimer arrays. Nanoscale, 2015, 7, 12018-12022. | 2.8 | 32 |
| 86 | On the correlation of absorption cross-section with plasmonic color generation. Optics Express, 2017, 25, 27652. | 1.7 | 31 |
| 87 | Directed Self-Assembly of Densely Packed Gold Nanoparticles. Langmuir, 2012, 28, 16782-16787. | 1.6 | 30 |
| 88 | Free-standing sub-10 nm nanostencils for the definition of gaps in plasmonic antennas. Nanotechnology, 2013, 24, 185301. | 1.3 | 30 |
| 89 | Offâ€Axis Holography with Uniform Illumination via 3D Printed Diffractive Optical Elements. Advanced Optical Materials, 2019, 7, 1900068. | 3.6 | 30 |
| 90 | In-plane coherent control of plasmon resonances for plasmonic switching and encoding. Light: Science and Applications, 2019, 8, 21. | 7.7 | 29 |

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| 91 | High-resolution light field prints by nanoscale 3D printing. Nature Communications, 2021, 12, 3728. | 5.8 | 29 |
| 92 | Reconfiguring Colors of Single Relief Structures by Directional Stretching. Advanced Materials, 2022, 34, e2108128. | 11.1 | 29 |
| 93 | Programmable chalcogenide-based all-optical deep neural networks. Nanophotonics, 2022, 11, 4073-4088. | 2.9 | 29 |
| 94 | Nanoscale mapping of optically inaccessible bound-states-in-the-continuum. Light: Science and Applications, 2022, 11, 20. | 7.7 | 28 |
| 95 | 1.25-Gbit/s photon-counting optical communications using a two-element superconducting nanowire single photon detector. , 2006, 6372, 286. | | 27 |
| 96 | Stacking of colors in exfoliable plasmonic superlattices. Nanoscale, 2016, 8, 18228-18234. | 2.8 | 27 |
| 97 | Contrast enhancement behavior of hydrogen silsesquioxane in a salty developer. Journal of Vacuum Science & Technology B, 2009, 27, 2635-2639. | 1.3 | 26 |
| 98 | Template-Induced Structure Transition in Sub-10 nm Self-Assembling Nanoparticles. Nano Letters, 2014, 14, 2642-2646. | 4.5 | 26 |
| 99 | Nanoscale spirals by directed self-assembly. Nano Futures, 2017, 1, 015001. | 1.0 | 26 |
| 100 | Sub-10-nm suspended nano-web formation by direct laser writing. Nano Futures, 2018, 2, 025006. | 1.0 | 26 |
| 101 | Inâ€Plane Directâ€Write Assembly of Iridescent Colloidal Crystals. Small, 2020, 16, e1905519. | 5.2 | 26 |
| 102 | Acoustic Vibrationâ€Induced Actuation of Multiple Microrotors in Microfluidics. Advanced Materials Technologies, 2020, 5, 2000323. | 3.0 | 25 |
| 103 | Suppressed Critical Current in Superconducting Nanowire Single-Photon Detectors With High Fill-Factors. IEEE Transactions on Applied Superconductivity, 2009, 19, 318-322. | 1.1 | 24 |
| 104 | High-Order Photonic Cavity Modes Enabled 3D Structural Colors. ACS Nano, 2022, 16, 8244-8252. | 7.3 | 24 |
| 105 | Rotation-Selective MoirÃ© Magnification of Structural Color Pattern Arrays. ACS Nano, 2019, 13, 14138-14144. | 7.3 | 23 |
| 106 | Directed Self-Assembly of sub-10 nm Particles: Role of Driving Forces and Template Geometry in Packing and Ordering. Langmuir, 2015, 31, 8548-8557. | 1.6 | 22 |
| 107 | Probing Vertical and Horizontal Plasmonic Resonant States in the Photoluminescence of Gold Nanodisks. ACS Photonics, 2015, 2, 1217-1223. | 3.2 | 22 |
| 108 | Room temperature Coulomb blockade effects in Au nanocluster/pentacene single electron transistors. Nanotechnology, 2015, 26, 355204. | 1.3 | 22 |

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| 109 | Anomalous Shift Behaviors in the Photoluminescence of Dolmen-Like Plasmonic Nanostructures. ACS Photonics, 2016, 3, 979-984. | 3.2 | 22 |
| 110 | Patterned resist on flat silver achieving saturated plasmonic colors with sub-20-nm spectral linewidth. Materials Today, 2020, 35, 99-105. | 8.3 | 21 |
| 111 | Darkfield colors from multi-periodic arrays of gap plasmon resonators. Nanophotonics, 2020, 9, 533-545. | 2.9 | 21 |
| 112 | Optical Fireworks Based on Multifocal Three-Dimensional Color Prints. ACS Nano, 2021, 15, 10185-10193. | 7.3 | 21 |
| 113 | Silicon Nanoantenna Mix Arrays for a Trifecta of Quantum Emitter Enhancements. Nano Letters, 2021, 21, 4853-4860. | 4.5 | 21 |
| 114 | Photoluminescence via gap plasmons between single silver nanowires and a thin gold film. Nanoscale, 2013, 5, 12086. | 2.8 | 20 |
| 115 | Nanostructure Formation by controlled dewetting on patterned substrates: A combined theoretical, modeling and experimental study. Scientific Reports, 2016, 6, 32398. | 1.6 | 20 |
| 116 | Surface-Enhanced Infrared Absorption Spectroscopy Using Charge Transfer Plasmons. ACS Photonics, 2019, 6, 1272-1278. | 3.2 | 20 |
| 117 | 3D printed fiber sockets for plug and play micro-optics. International Journal of Extreme Manufacturing, 2021, 3, 015301. | 6.3 | 20 |
| 118 | Hierarchical Colorful Structures by Three-Dimensional Printing of Inverse Opals. Nano Letters, 2021, 21, 8602-8608. | 4.5 | 20 |
| 119 | Enhancing etch resistance of hydrogen silsesquioxane via postdevelop electron curing. Journal of Vacuum Science & Technology B, 2006, 24, 3157. | 1.3 | 19 |
| 120 | High aspect ratio 10-nm-scale nanoaperture arrays with template-guided metal dewetting. Scientific Reports, 2015, 5, 9654. | 1.6 | 18 |
| 121 | Chalcogenide active photonics. , 2017, , . | | 18 |
| 122 | Charge transfer plasmon resonances across silverâ€“moleculeâ€“silver junctions: estimating the terahertz conductance of molecules at near-infrared frequencies. RSC Advances, 2016, 6, 70884-70894. | 1.7 | 17 |
| 123 | Micro-tags for art: covert visible and infrared images using gap plasmons in native aluminum oxide. Optical Materials Express, 2019, 9, 788. | 1.6 | 17 |
| 124 | Direct excitation of dark plasmonic resonances under visible light at normal incidence. Nanoscale, 2014, 6, 2106-2111. | 2.8 | 16 |
| 125 | Fabrication of suspended metalâ€“dielectricâ€“metal plasmonic nanostructures. Nanotechnology, 2014, 25, 135303. | 1.3 | 16 |
| 126 | Directed self-assembly of sub-10 nm particle clusters using topographical templates. Nanotechnology, 2016, 27, 424001. | 1.3 | 16 |

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| 127 | Are phase change materials ideal for programmable photonics?: opinion. Optical Materials Express, 2022, 12, 2368. | 1.6 | 16 |
| 128 | Fabrication and Characterization of Suspended Uniaxial Tensile Strained-Si Nanowires for Gate-All-Around Nanowire n-MOSFETs. ECS Transactions, 2008, 16, 57-68. | 0.3 | 15 |
| 129 | Plasmon excitation on flat graphene by s-polarized beams using four-wave mixing. Optics Express, 2015, 23, 7809. | 1.7 | 13 |
| 130 | Applying Machine Learning to the Optics of Dielectric Nanoblobs. Advanced Photonics Research, 2020, 1, 2000068. | 1.7 | 11 |
| 131 | A Modular Design of Continuously Tunable Full Color Plasmonic Pixels with Broken Rotational Symmetry. Advanced Functional Materials, 2022, 32, 2108437. | 7.8 | 11 |
| 132 | Templated self-assembly of Si-containing block copolymers for nanoscale device fabrication. Proceedings of SPIE, 2010, , . | 0.8 | 9 |
| 133 | Bio-inspired Photonic Masquerade with Perturbative Metasurfaces. ACS Nano, 2020, 14, 7529-7537. | 7.3 | 9 |
| 134 | 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. | 0.6 | 8 |
| 135 | ENGINEERING PLASMONIC COLORS IN METAL NANOSTRUCTURES. Journal of Molecular and Engineering Materials, 2014, 02, 1440011. | 0.9 | 7 |
| 136 | Image Dipole Method for the Beaming of Plasmons from Point Sources. ACS Photonics, 2014, 1, 1307-1312. | 3.2 | 7 |
| 137 | Energy transfer and depolarization in the photoluminescence of a plasmonic molecule. Nanoscale, 2017, 9, 2082-2087. | 2.8 | 7 |
| 138 | Electrochemical development of hydrogen silsesquioxane by applying an electrical potential. Nanotechnology, 2011, 22, 375301. | 1.3 | 6 |
| 139 | A facile approach for screening isolated nanomagnetic behavior for bit-patterned media. Nanotechnology, 2014, 25, 225203. | 1.3 | 6 |
| 140 | Pattern Generation by Using Multistep Room-Temperature Nanoimprint Lithography. IEEE Nanotechnology Magazine, 2007, 6, 639-644. | 1.1 | 5 |
| 141 | Demonstration of gigabit-per-second and higher data rates at extremely high efficiency using superconducting nanowire single photon detectors. , 2007, , . | | 5 |
| 142 | Effect of inter-bit material on the performance of directly deposited bit patterned media. Applied Physics Letters, 2012, 101, . | 1.5 | 5 |
| 143 | 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. | 1.2 | 5 |
| 144 | 3D Printing Mesoscale Optical Components with a Low-Cost Resin Printer Integrated with a Fiber-Optic Taper. ACS Photonics, 2022, 9, 2024-2031. | 3.2 | 5 |

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| 145 | High-data-rate photon-counting optical communications using a NbN-nanowire superconducting detector. , 2006, , . | | 4 |
| 146 | Miniaturization of grayscale images. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2011, 29, . | 0.6 | 4 |
| 147 | Comparison of bit-patterned media fabricated by methods of direct deposition and ion-milling of cobalt/palladium multilayers. Journal of Applied Physics, 2012, 111, . | 1.1 | 4 |
| 148 | A study on dynamic heat assisted magnetization reversal mechanisms under insufficient reversal field conditions. Applied Physics Letters, 2014, 105, . | 1.5 | 4 |
| 149 | Second order directed positioning of nanoparticles induced by the main terminal meniscus shape in irregular template cavities. Nanoscale, 2017, 9, 9886-9892. | 2.8 | 4 |
| 150 | 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. | 2.4 | 4 |
| 151 | Secure Printing: Tunable Resonatorâ€Upconverted Emission (TRUE) Color Printing and Applications in Optical Security (Adv. Mater. 15/2019). Advanced Materials, 2019, 31, 1970106. | 11.1 | 4 |
| 152 | Plasma-assisted filling electron beam lithography for high throughput patterning of large area closed polygon nanostructures. Nanoscale, 2020, 12, 10584-10591. | 2.8 | 4 |
| 153 | Molecular Materials Meeting (M3@Singapore). Australian Journal of Chemistry, 2011, 64, 1181. | 0.5 | 3 |
| 154 | Channel Characterization and Performance Evaluation of Bit-Patterned Media. IEEE Transactions on Magnetics, 2013, 49, 723-729. | 1.2 | 3 |
| 155 | Large-Aperture and Grain-Boundary Engineering through Template-Assisted Metal Dewetting for Resonances in the Short Wave Infrared. ACS Photonics, 2018, 5, 511-519. | 3.2 | 2 |
| 156 | Design, Manufacture, and Analysis of Photonic Materials for Historical and Modern Visual Art: feature issue introduction. Optical Materials Express, 2019, 9, 2128. | 1.6 | 2 |
| 157 | Increased detection efficiencies of nanowire single-photon detectors by integration of an optical cavity and anti-reflection coating. , 2006, , . | | 1 |
| 158 | Achieving high counting rates in superconducting nanowire single-photon detectors. , 2006, , . | | 0 |
| 159 | Optimization of Bit-Patterned Media Recording (BPMR) System via Tolerance Design. IEEE Transactions on Magnetics, 2013, 49, 3624-3627. | 1.2 | 0 |
| 160 | Plasmonic color printing. , 2015, , . | | 0 |