# Wei Wu

List of Publications by Year
in descending order

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| 152 | 11,227 | 46984 47 | 29127 104 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 152 | 152 | 152 | 15132 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Magnetic Iron Oxide Nanoparticles: Synthesis and Surface Functionalization Strategies. Nanoscale Research Letters, 2008, 3, 397-415. | 3.1 | 1,852 |
| 2 | Recent progress on magnetic iron oxide nanoparticles: synthesis, surface functional strategies and biomedical applications. Science and Technology of Advanced Materials, 2015, 16, 023501. | 2.8 | 1,159 |
| 3 | Memristorâ"CMOS Hybrid Integrated Circuits for Reconfigurable Logic. Nano Letters, 2009, 9, 3640-3645. | 4.5 | 628 |
| 4 | Fabrication of 5nm linewidth and 14nm pitch features by nanoimprint lithography. Applied Physics Letters, 2004, 84, 5299-5301. | 1.5 | 564 |
| 5 | Designed synthesis and surface engineering strategies of magnetic iron oxide nanoparticles for biomedical applications. Nanoscale, 2016, 8, 19421-19474. | 2.8 | 326 |
| 6 | Fabrication of 10 nm enclosed nanofluidic channels. Applied Physics Letters, 2002, 81, 174-176. | 1.5 | 312 |
| 7 | Ultrasmooth Silver Thin Films Deposited with a Germanium Nucleation Layer. Nano Letters, 2009, 9, 178-182. | 4.5 | 279 |
| 8 | Vapor-Phase Self-Assembled Monolayer for Improved Mold Release in Nanoimprint Lithography. Langmuir, 2005, 21, 1158-1161. | 1.6 | 267 |
| 9 | A hybrid nanomemristor/transistor logic circuit capable of self-programming. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1699-1703. | 3.3 | 242 |
| 10 | Fabrication of large area subwavelength antireflection structures on Si using trilayer resist nanoimprint lithography and liftoff. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2003, 21, 2874. | 1.6 | 220 |
| 11 | Patterning, Characterization, and Chemical Sensing Applications of Graphene Nanoribbon Arrays Down to 5 nm Using Helium Ion Beam Lithography. ACS Nano, 2014, 8, 1538-1546. | 7.3 | 212 |
| 12 | Gold Nanofingers for Molecule Trapping and Detection. Journal of the American Chemical Society, 2010, 132, 12820-12822. | 6.6 | 187 |
| 13 | Large area high density quantized magnetic disks fabricated using nanoimprint lithography. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1998, 16, 3825. | 1.6 | 183 |
| 14 | Hot-Spot Engineering in Polygonal Nanofinger Assemblies for Surface Enhanced Raman Spectroscopy. Nano Letters, 2011, 11, 2538-2542. | 4.5 | 180 |
| 15 | Engineering nonlinearity into memristors for passive crossbar applications. Applied Physics Letters, 2012, 100, . | 1.5 | 179 |
| 16 | Circuit Fabrication at 17 nm Half-Pitch by Nanoimprint Lithography. Nano Letters, 2006, 6, 351-354. | 4.5 | 168 |
| 17 | Plasmonic enhanced quantum well infrared photodetector with high detectivity. Applied Physics Letters, 2010, 96, . | 1.5 | 166 |
| 18 | Hybrid Nanoimprintâ"Soft Lithography with Sub-15 nm Resolution. Nano Letters, 2009, 9, 2306-2310. | 4.5 | 147 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Atomically Thin Femtojoule Memristive Device. Advanced Materials, 2017, 29, 1703232. | 11.1 | 147 |
| 20 | Sonochemical synthesis, structure and magnetic properties of air-stable Fe3O4/Au nanoparticles. Nanotechnology, 2007, 18, 145609. | 1.3 | 139 |
| 21 | Reflective polarizer based on a stacked double-layer subwavelength metal grating structure fabricated using nanoimprint lithography. Applied Physics Letters, 2000, 77, 927. | 1.5 | 127 |
| 22 | Sub-20-nm Alignment in Nanoimprint Lithography Using MoirÃ© Fringe. Nano Letters, 2006, 6, 2626-2629. | 4.5 | 115 |
| 23 | One-kilobit cross-bar molecular memory circuits at 30-nm half-pitch fabricated by nanoimprint lithography. Applied Physics A: Materials Science and Processing, 2005, 80, 1173-1178. | 1.1 | 113 |
| 24 | Reconfigurable metasurfaces that enable light polarization control by light. Light: Science and Applications, 2017, 6, e16254-e16254. | 7.7 | 108 |
| 25 | Emulating Bilingual Synaptic Response Using a Junction-Based Artificial Synaptic Device. ACS Nano, 2017, 11, 7156-7163. | 7.3 | 106 |
| 26 | Ultrasensitive SERS Substrate Integrated with Uniform Subnanometer Scale â€œHot Spotsâ€•Created by a Graphene Spacer for the Detection of Mercury Ions. Small, 2017, 13, 1603347. | 5.2 | 101 |
| 27 | Self-Aligned Memristor Cross-Point Arrays Fabricated with One Nanoimprint Lithography Step. Nano Letters, 2010, 10, 2909-2914. | 4.5 | 98 |
| 28 | Challenges in 1â€‚Teradotâ•in.[sup 2] dot patterning using electron beam lithography for bit-patterned media. Journal of Vacuum Science & Technology B, 2007, 25, 2202. | 1.3 | 91 |
| 29 | Cones fabricated by 3D nanoimprint lithography for highly sensitive surface enhanced Raman spectroscopy. Nanotechnology, 2010, 21, 255502. | 1.3 | 87 |
| 30 | Fabrication of a new broadband waveguide polarizer with a double-layer 190 nm period metal-gratings using nanoimprint lithography. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1999, 17, 2957. | 1.6 | 85 |
| 31 | Nonlinear optical spectroscopy of photonic metamaterials. Physical Review B, 2008, 78, . | 1.1 | 85 |
| 32 | A smooth optical superlens. Applied Physics Letters, 2010, 96, 043102. | 1.5 | 78 |
| 33 | Optical metamaterials at near and mid-IR range fabricated by nanoimprint lithography. Applied Physics A: Materials Science and Processing, 2007, 87, 143-150. | 1.1 | 77 |
| 34 | Combined helium ion beam and nanoimprint lithography attains 4â€‰nm half-pitch dense patterns. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2012, 30, 06F304. | 0.6 | 77 |
| 35 | Sub-10 nm Nanoimprint Lithography by Wafer Bowing. Nano Letters, 2008, 8, 3865-3869. | 4.5 | 75 |
| 36 | Twoâ€•and Threeâ€Terminal Resistive Switches: Nanometerâ€Scale Memristors and Memistors. Advanced Functional Materials, 2011, 21, 2660-2665. | 7.8 | 74 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Monolayer Molybdenum Disulfide Nanoribbons with High Optical Anisotropy. Advanced Optical Materials, 2016, 4, 756-762. | 3.6 | 74 |
| 38 | Cross-linked Polymer Replica of a Nanoimprint Mold at 30 nm Half-pitch. Nano Letters, 2005, 5, 179-182. | 4.5 | 70 |
| 39 | Ultrafast patterning of nanostructures in polymers using laser assisted nanoimprint lithography. Applied Physics Letters, 2003, 83, 4417-4419. | 1.5 | 69 |
| 40 | Fabrication of large area 100 nm pitch grating by spatial frequency doubling and nanoimprint lithography for subwavelength optical applications. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2001, 19, 2816. | 1.6 | 67 |
| 41 | Preparation and characterization of spindle-like Fe3O4 mesoporous nanoparticles. Nanoscale Research Letters, 2011, 6, 89. | 3.1 | 66 |
| 42 | Midinfrared metamaterials fabricated by nanoimprint lithography. Applied Physics Letters, 2007, 90, 063107. | 1.5 | 64 |
| 43 | Ultrafast modulation of optical metamaterials. Optics Express, 2009, 17, 17652. | 1.7 | 57 |
| 44 | Controlled Synthesis of Monodisperse Subâ€100â€…nm Hollow SnO<sub>2</sub> Nanospheres: A Templateâ€and Surfactantâ€Free Solutionâ€Phase Route, the Growth Mechanism, Optical Properties, and Application as a Photocatalyst. Chemistry - A European Journal, 2011, 17, 9708-9719. | 1.7 | 57 |
| 45 | Nonlinear Lithium Niobate Metasurfaces for Second Harmonic Generation. Laser and Photonics Reviews, 2021, 15, 2000521. | 4.4 | 57 |
| 46 | Fabrication of nanoscale gratings with reduced line edge roughness using nanoimprint lithography. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2003, 21, 2089. | 1.6 | 55 |
| 47 | Electrostatic Force-Assisted Nanoimprint Lithography (EFAN). Nano Letters, 2005, 5, 527-530. | 4.5 | 48 |
| 48 | A 14-ps full width at half maximum high-speed photoconductor fabricated with intersecting InP nanowires on an amorphous surface. Applied Physics A: Materials Science and Processing, 2008, 91, 1-5. | 1.1 | 48 |
| 49 | Switchable Allâ€Dielectric Metasurfaces for Fullâ€Color Reflective Display. Advanced Optical Materials, 2019, 7, 1801639. | 3.6 | 47 |
| 50 | Bioinspired Functional Surfaces Enabled by Multiscale Stereolithography. Advanced Materials Technologies, 2019, 4, 1800638. | 3.0 | 47 |
| 51 | 100 nm period gratings produced by lithographically induced self-construction. Nanotechnology, 2003, 14, 786-790. | 1.3 | 44 |
| 52 | One-Pot Reaction and Subsequent Annealing to Synthesis Hollow Spherical Magnetite and Maghemite Nanocages. Nanoscale Research Letters, 2009, 4, 926-931. | 3.1 | 43 |
| 53 | Tunable Liquid Crystal-Resonant Grating Filter Fabricated by Nanoimprint Lithography. IEEE Photonics Technology Letters, 2007, 19, 1457-1459. | 1.3 | 42 |
| 54 | Sub-15nm nanoimprint molds and pattern transfer. Journal of Vacuum Science & Technology B, 2009, 27, 2837-2840. | 1.3 | 42 |

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|---|---|---|---|
| 55 | Fabrication of Deterministic Nanostructure Assemblies with Sub-nanometer Spacing Using a Nanoimprinting Transfer Technique. ACS Nano, 2012, 6, 6446-6452. | 7.3 | 42 |
| 56 | Perpendicular quantized magnetic disks with 45 Gbits on a 4Ã—4â€Šcm2 area. Journal of Applied Physics, 1999, 85, 5534-5536. | 1.1 | 41 |
| 57 | Large-area, well-ordered, uniform-sized bowtie nanoantenna arrays for surface enhanced Raman scattering substrate with ultra-sensitive detection. Applied Physics Letters, 2013, 103, . | 1.5 | 39 |
| 58 | Room-temperature Si single-electron memory fabricated by nanoimprint lithography. Applied Physics Letters, 2003, 83, 2268-2270. | 1.5 | 38 |
| 59 | Sculpting Extreme Electromagnetic Field Enhancement in Free Space for Molecule Sensing. Small, 2018, 14, e1801146. | 5.2 | 36 |
| 60 | Ultra-smooth metal surfaces generated by pressure-induced surface deformation of thin metal films. Applied Physics A: Materials Science and Processing, 2007, 87, 187-192. | 1.1 | 35 |
| 61 | Probing Gap Plasmons Down to Subnanometer Scales Using Collapsible Nanofingers. ACS Nano, 2017, 11, 5836-5843. | 7.3 | 35 |
| 62 | Modulation of negative index metamaterials in the near-IR range. Applied Physics Letters, 2007, 91, 173105. | 1.5 | 34 |
| 63 | Field-Assisted Splitting of Pure Water Based on Deep-Sub-Debye-Length Nanogap Electrochemical Cells. ACS Nano, 2017, 11, 8421-8428. | 7.3 | 34 |
| 64 | Helium-ion-beam nanofabrication: extreme processes and applications. International Journal of Extreme Manufacturing, 2021, 3, 012001. | 6.3 | 34 |
| 65 | Probing the Mechanisms of Strong Fluorescence Enhancement in Plasmonic Nanogaps with Sub-nanometer Precision. ACS Nano, 2020, 14, 14769-14778. | 7.3 | 33 |
| 66 | Nanoimprint-defined, large-area meta-surfaces for unidirectional optical transmission with superior extinction in the visible-to-infrared range. Optics Express, 2016, 24, 15362. | 1.7 | 32 |
| 67 | Improved Pattern Transfer in Nanoimprint Lithography at 30 nm Half-Pitch by Substrateâ^'Surface Functionalization. Langmuir, 2005, 21, 6127-6130. | 1.6 | 29 |
| 68 | Nanoimprint lithography: an enabling technology for nanophotonics. Applied Physics A: Materials Science and Processing, 2015, 121, 327-333. | 1.1 | 29 |
| 69 | A memristor-based hybrid analog-digital computing platform for mobile robotics. Science Robotics, 2020, 5, . | 9.9 | 28 |
| 70 | Impact of geometry on the performance of memristive nanodevices. Nanotechnology, 2011, 22, 254026. | 1.3 | 26 |
| 71 | Increase in vulnerability of atrial fibrillation in an acute intermittent hypoxia model: Importance of autonomic imbalance. Autonomic Neuroscience: Basic and Clinical, 2013, 177, 148-153. | 1.4 | 26 |
| 72 | Allâ€Dielectric Heterogeneous Metasurface as an Efficient Ultraâ€Broadband Reflector. Advanced Optical Materials, 2017, 5, 1700090. | 3.6 | 26 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Spectrum splitting using multi-layer dielectric meta-surfaces for efficient solar energy harvesting. Applied Physics A: Materials Science and Processing, 2014, 115, 713-719. | 1.1 | 24 |
| 74 | Double transfer UV-curing nanoimprint lithography. Nanotechnology, 2013, 24, 465304. | 1.3 | 21 |
| 75 | A degradable polycyclic cross-linker for UV-curing nanoimprint lithography. Journal of Materials Chemistry C, 2014, 2, 1836. | 2.7 | 21 |
| 76 | Tunable External Cavity Laser With a Liquid-Crystal Subwavelength Resonant Grating Filter as Wavelength-Selective Mirror. IEEE Photonics Technology Letters, 2007, 19, 1099-1101. | 1.3 | 20 |
| 77 | Guiding vaporâ€“liquidâ€“solid nanowire growth using SiO<sub>2</sub>. Nanotechnology, 2009, 20, 145303. | 1.3 | 20 |
| 78 | Nonlinear responses in optical metamaterials: theory and experiment. Optics Express, 2011, 19, 18283. | 1.7 | 20 |
| 79 | Distinct restitution properties in vagally mediated atrial fibrillation and six-hour rapid pacing-induced atrial fibrillation. Cardiovascular Research, 2011, 89, 834-842. | 1.8 | 19 |
| 80 | Short-Range Surface Plasmon Polaritons for Extraordinary Low Transmission Through Ultra-Thin Metal Films with Nanopatterns. Plasmonics, 2012, 7, 47-52. | 1.8 | 19 |
| 81 | Nanoimprint lithography with â‰¤60 nm overlay precision. Applied Physics A: Materials Science and Processing, 2012, 106, 767-772. | 1.1 | 18 |
| 82 | Nanoimprint lithography of plasmonic platforms for SERS applications. Applied Physics A: Materials Science and Processing, 2015, 121, 443-449. | 1.1 | 18 |
| 83 | Inâ€Plane Electrical Connectivity and Nearâ€Field Concentration of Isolated Graphene Resonators Realized by Ion Beams. Advanced Materials, 2017, 29, 1701083. | 11.1 | 18 |
| 84 | Double-grating polarizer for terahertz radiation with high extinction ratio. Applied Optics, 2010, 49, 2066. | 2.1 | 17 |
| 85 | LineÂwidth tuning and smoothening for periodical grating fabrication in nanoimprint lithography. Applied Physics A: Materials Science and Processing, 2015, 121, 399-403. | 1.1 | 16 |
| 86 | A Tantalum Disulfide Charge-Density-Wave Stochastic Artificial Neuron for Emulating Neural Statistical Properties. Nano Letters, 2021, 21, 3465-3472. | 4.5 | 15 |
| 87 | Issues on nanoimprint lithography with a single-layer resist structure. Applied Physics A: Materials Science and Processing, 2005, 81, 1331-1335. | 1.1 | 14 |
| 88 | Fabrication of 30 nm pitch imprint moulds by frequency doubling for nanowire arrays. Nanotechnology, 2006, 17, 4956-4961. | 1.3 | 14 |
| 89 | Switching between positive and negative permeability by photoconductive coupling for modulation of electromagnetic radiation. Applied Physics A: Materials Science and Processing, 2007, 87, 209-216. | 1.1 | 14 |
| 90 | Facile Fabrication of Ultrafine Hollow Silica and Magnetic Hollow Silica Nanoparticles by a Dual-Templating Approach. Nanoscale Research Letters, 2010, 5, 116-123. | 3.1 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Dualâ€Electromagnetic Field Enhancements through Suspended Metal/Dielectric/Metal Nanostructures and Plastic Phthalates Detection in Child Urine. Advanced Optical Materials, 2020, 8, 1901305. | 3.6 | 14 |
| 92 | Reconfigurable Stochastic neurons based on tin oxide/MoS2 hetero-memristors for simulated annealing and the Boltzmann machine. Nature Communications, 2021, 12, 5710. | 5.8 | 14 |
| 93 | Multiscale Stereolithography Using Shaped Beams. Journal of Micro and Nano-Manufacturing, 2017, 5, . | 0.8 | 12 |
| 94 | Full-color reflective display system based on high contrast gratings. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2014, 32, . | 0.6 | 11 |
| 95 | Microwave Selective Heating Enhancement for Cancer Hyperthermia Therapy Based on Lithographically Defined Micro/Nanoparticles. Advanced Materials Technologies, 2016, 1, 1600038. | 3.0 | 10 |
| 96 | Filling of nano-via holes by laser-assisted direct imprint. Microelectronic Engineering, 2006, 83, 1547-1550. | 1.1 | 9 |
| 97 | Experimental demonstration of a defect-tolerant nanocrossbar demultiplexer. Nanotechnology, 2008, 19, 165203. | 1.3 | 9 |
| 98 | Rational engineering of highly sensitive SERS substrate based on nanocone structures. Proceedings of SPIE, 2010, , . | 0.8 | 9 |
| 99 | Fabrication of high-contrast gratings for a parallel spectrum splitting dispersive element in a concentrated photovoltaic system. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2014, 32, . | 0.6 | 9 |
| 100 | Effects of roughness and resonant-mode engineering in all-dielectric metasurfaces. Nanophotonics, 2020, 9, 1401-1410. | 2.9 | 9 |
| 101 | Nanoimprint lithography enables memristor crossbars and hybrid circuits. Applied Physics A: Materials Science and Processing, 2015, 121, 467-479. | 1.1 | 8 |
| 102 | Nanoimprint lithography: the path toward high-tech, low-cost devices (Keynote Paper). , 2005, 5751, 46. | | 7 |
| 103 | Image displacement sensing (NDSE) for achieving overlay alignment. Applied Physics A: Materials Science and Processing, 2005, 80, 1287-1299. | 1.1 | 7 |
| 104 | From nanoscale displacement sensing and estimation to nanoscale alignment. Journal of Vacuum Science & Technology B, 2006, 24, 3094. | 1.3 | 7 |
| 105 | Alignment for imprint lithography using nDSE and shallow molds. Nanotechnology, 2009, 20, 255304. | 1.3 | 7 |
| 106 | Effects of Autonomic Interventions on Atrial Restitution Properties. Journal of Cardiovascular Electrophysiology, 2011, 22, 84-90. | 0.8 | 7 |
| 107 | A fast thermal-curing nanoimprint resist based on cationic polymerizable epoxysiloxane. Nanoscale Research Letters, 2012, 7, 380. | 3.1 | 7 |
| 108 | Memristive Device Characteristics Engineering by Controlling the Crystallinity of Switching Layer Materials. ACS Applied Electronic Materials, 2020, 2, 1529-1537. | 2.0 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | External factors that affect the photoplethysmography waveforms. SN Applied Sciences, 2022, 4, 1. | 1.5 | 7 |
| 110 | Nanofabrication module integrated with optical aligner. Journal of Vacuum Science & Technology B, 2006, 24, 539. | 1.3 | 6 |
| 111 | A new two-dimensional subwavelength resonant grating filter fabricated by nanoimprint lithography. , 0, , . | | 5 |
| 112 | A tunable subwavelength resonant grating optical filter. , 0, , . | | 5 |
| 113 | Geometrical dependence of optical negative index meta-materials at 1.55 Î¼m. Applied Physics A: Materials Science and Processing, 2009, 95, 1119-1122. | 1.1 | 5 |
| 114 | Detection of Fake Alcoholic Beverages Using Electrolyte-Free Nanogap Electrochemical Cells. ACS Applied Materials & Interfaces, 2019, 11, 6217-6223. | 4.0 | 5 |
| 115 | Stretchable optical diffraction grating from poly(acrylic acid)/polyethylene oxide stereocomplex. Optics Letters, 2021, 46, 5493. | 1.7 | 5 |
| 116 | Self-assembled microfabrication technology for 3D isotropic negative index material. , 2006, , . | | 4 |
| 117 | Direct-write programming of nanoscale demultiplexer arrays. Nanotechnology, 2007, 18, 415201. | 1.3 | 4 |
| 118 | Probing the plasmonic band structure of an optical metamaterial. Physical Review B, 2014, 89, . | 1.1 | 4 |
| 119 | Stereolithography with variable resolutions using optical filter with high-contrast gratings. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2015, 33, 06F604. | 0.6 | 4 |
| 120 | Hybrid Nanoimprint-Soft Lithography for Highly Curved Surface with Sub-15 nm Resolution. Springer Series in Surface Sciences, 2015, , 91-109. | 0.3 | 4 |
| 121 | Observation of in-plane excitonâ€“polaritons in monolayer WSe<sub>2</sub> driven by plasmonic nanofingers. Nanophotonics, 2022, 11, 3149-3157. | 2.9 | 4 |
| 122 | Fabrication of Multi-bit Crossbar Circuits at Sub-50 nm Half-pitch by Using UV-based Nanoimprint Lithography. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2005, 18, 565-570. | 0.1 | 3 |
| 123 | Overlay alignment using optical microscopy and arbitrary surface features. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005, 23, 3047. | 1.6 | 3 |
| 124 | Realization of 3D Isotropic Negative Index Materials using Massively Parallel and Manufacturable Microfabrication and Micromachining Technology. Materials Research Society Symposia Proceedings, 2006, 919, 1. | 0.1 | 3 |
| 125 | A dual-curable transfer layer for adhesion enhancement of a multilayer UV-curable nanoimprint resist system. Applied Physics A: Materials Science and Processing, 2012, 108, 1-6. | 1.1 | 3 |
| 126 | Plasmonic dye-sensitized solar cells through collapsible gold nanofingers. Nanotechnology, 2021, 32, 355301. | 1.3 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Fabrication of nanophotonic structures for information processing. Proceedings of SPIE, 2008, , . | 0.8 | 2 |
| 128 | A novel lithography technique for formation of large areas of uniform nanostructures. , 2008, , . | | 2 |
| 129 | Low DC-bias silicon nitride anisotropic etching. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2015, 33, . | 0.6 | 2 |
| 130 | Microresonator for Microwave Cancer Therapy. IEEE Journal on Multiscale and Multiphysics Computational Techniques, 2016, 1, 36-39. | 1.4 | 2 |
| 131 | Photoinitiated Dynamics in Amorphous Solid Water via Nanoimprint Lithography. Journal of Physical Chemistry A, 2017, 121, 4968-4981. | 1.1 | 2 |
| 132 | Optical metrology of characterizing wetting states. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2021, 39, . | 0.6 | 2 |
| 133 | A novel, simple and low-cost external cavity laser using subwavelength resonant grating filter. , 0, , . | | 1 |
| 134 | Fabrication process of molecular memory circuits by nanoimprint lithography. , 2004, , . | | 1 |
| 135 | Tunable liquid crystal-resonant grating filers using superimposed grating structures fabricated by nanoimprint lithography. , 0, , . | | 1 |
| 136 | nDSE-based overlay alignment: enabling technology for nano metrology and fabrication. , 2006, , . | | 1 |
| 137 | Fabrication and test of nano crossbar switches/MOSFET hybrid circuits by imprinting lithography. Proceedings of SPIE, 2008, , . | 0.8 | 1 |
| 138 | High performance sub-100 nm Si thin-film transistors by Pattern-controlled crystallization of Thin channel layer and High temperature annealing. , 0, , . | | 0 |
| 139 | Toward the modulation of negative index materials (NIM) by photoconductive coupling. , 2006, 6373, 74. | | 0 |
| 140 | Fabrication of Optical Meta-structure at Infrared Rang using Nanoimprint Lithography. , 2006, , . | | 0 |
| 141 | Smooth Ag Film Deposited Using e-beam Evaporated Ge as an Intermediate Layer for Applications in Nanoscale Devices and Optical Superlens. Materials Research Society Symposia Proceedings, 2007, 990, 1. | 0.1 | 0 |
| 142 | Surface Deformation of Metal Films Under Controlled Pressure for Generating Ultra-flat Metal Surfaces. Materials Research Society Symposia Proceedings, 2007, 990, 1. | 0.1 | 0 |
| 143 | Molecular Scale Imaging with A Smooth Superlens. , 2007, , WB3. | | 0 |
| 144 | Ultrafast response of negative index metamaterials in the near-infrared. Proceedings of SPIE, 2009, , . | 0.8 | 0 |

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|---|---|---|---|
| 145 | A normal-incident quantum well infrared photodetector enhanced by surface plasmon resonance. Proceedings of SPIE, 2010, , . | 0.8 | 0 |
| 146 | Selective transfer of nanostructured assemblies onto an arbitrary substrate by nanoimprinting. Proceedings of SPIE, 2012, , . | 0.8 | 0 |
| 147 | Second-harmonic generations in fishet metamaterials. , 2012, , . | | 0 |
| 148 | Foreword of guest editor. Applied Physics A: Materials Science and Processing, 2015, 121, 319-319. | 1.1 | 0 |
| 149 | Fabrication of High Contrast Gratings for the Spectrum Splitting Dispersive Element in a Concentrated Photovoltaic System. Journal of Visualized Experiments, 2015, , e52913. | 0.2 | 0 |
| 150 | Optical metasurface based on hybrid high-contrast dielectric gratings for visible and near-IR ranges (Conference Presentation). , 2017, , . | | 0 |
| 151 | Multi-scale manufacture for bio-inspired structure enabled by variable voxel stereolithography. , 2017, , . | | 0 |
| 152 | Field-Driven Splitting of Pure Water Based on Deep-Sub-Debye-Length Nanogap Cells. ECS Meeting Abstracts, 2017, , . | 0.0 | 0 |