Huigao Duan

List of Publications by Citations

155 papers	6,612 citations	42 h-index	78 g-index
171 ext. papers	8,697 ext. citations	9.5 avg, IF	6.25 L-index

#	Paper	IF	Citations
155	Printing colour at the optical diffraction limit. *Nature Nanotechnology*, **2012**, 7, 557-61	28.7	643
154	High-performance and ultra-stable lithium-ion batteries based on MOF-derived ZnO@ZnO quantum dots/C core-shell nanorod arrays on a carbon cloth anode. *Advanced Materials*, **2015**, 27, 2400-5	24	528
153	Nanoplasmonics: classical down to the nanometer scale. *Nano Letters*, **2012**, 12, 1683-9	11.5	326
152	Identification of the Dynamic Behavior of Oxygen Vacancy-Rich CoO for Oxygen Evolution Reaction. *Journal of the American Chemical Society*, **2020**, 142, 12087-12095	16.4	279
151	Resolution limits of electron-beam lithography toward the atomic scale. *Nano Letters*, **2013**, 13, 1555-8	11.5	276
150	Stress-driven lithium dendrite growth mechanism and dendrite mitigation by electroplating on soft substrates. *Nature Energy*, **2018**, 3, 227-235	62.3	232
149	Direct and reliable patterning of plasmonic nanostructures with sub-10-nm gaps. *ACS Nano*, **2011**, 5, 7593-600	16.0	207
148	Dynamic Color Displays Using Stepwise Cavity Resonators. *Nano Letters*, **2017**, 17, 5555-5560	11.5	136
147	Understanding of hydrogen silsesquioxane electron resist for sub-5-nm-half-pitch lithography. *Journal of Vacuum Science & Technology B*, **2009**, 27, 2622		134
146	MOF-derived N-doped carbon bubbles on carbon tube arrays for flexible high-rate supercapacitors. *Energy Storage Materials*, **2018**, 10, 75-84	19.4	118
145	Radially Aligned Porous Carbon Nanotube Arrays on Carbon Fibers: A Hierarchical 3D Carbon Nanostructure for High-Performance Capacitive Energy Storage. *Advanced Functional Materials*, **2016**, 26, 3012-3020	15.6	117
144	Reflective Color Filters and Monolithic Color Printing Based on Asymmetric Fabry–Perot Cavities Using Nickel as a Broadband Absorber. *Advanced Optical Materials*, **2016**, 4, 1196-1202	8.1	113
143	3D-Integrated metasurfaces for full-colour holography. *Light: Science and Applications*, **2019**, 8, 86	16.7	109
142	Construction of hierarchical CoS nanowire@NiCo2S4 nanosheet arrays via one-step ion exchange for high-performance supercapacitors. *Journal of Materials Chemistry A*, **2015**, 3, 24033-24040	13	106
141	Fowler-Nordheim tunneling induced charge transfer plasmons between nearly touching nanoparticles. *ACS Nano*, **2013**, 7, 707-16	16.7	103
140	Pronounced Fano Resonance in Single Gold Split Nanodisks with 15 nm Split Gaps for Intensive Second Harmonic Generation. *ACS Nano*, **2016**, 10, 11105-11114	16.7	96
139	Microscopic Interference Full-Color Printing Using Grayscale-Patterned Fabry–Perot Resonance Cavities. *Advanced Optical Materials*, **2017**, 5, 1700029	8.1	95

138	Directed self-assembly at the 10 nm scale by using capillary force-induced nanocohesion. *Nano Letters*, **2010**, 10, 3710-6	11.5	94
137	Trichromatic and Tripolarization-Channel Holography with Noninterleaved Dielectric Metasurface. *Nano Letters*, **2020**, 20, 994-1002	11.5	92
136	Encapsulated annealing: enhancing the plasmon quality factor in lithographically-defined nanostructures. *Scientific Reports*, **2014**, 4, 5537	4.9	81
135	Vibrational near-field mapping of planar and buried three-dimensional plasmonic nanostructures. *Nature Communications*, **2013**, 4, 2237	17.4	79
134	Metal□rganic-framework-derived ZnO@C@NiCo2O4 core□shell structures as an advanced electrode for high-performance supercapacitors. *Journal of Materials Chemistry A*, **2016**, 4, 8233-8241	13	78
133	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
132	Porous ultrathin carbon nanobubbles formed carbon nanofiber webs for high-performance flexible supercapacitors. *Journal of Materials Chemistry A*, **2017**, 5, 14801-14810	13	74
131	A Sub-10 nm Vertical Organic/Inorganic Hybrid Transistor for Pain-Perceptual and Sensitization-Regulated Nociceptor Emulation. *Advanced Materials*, **2020**, 32, e1906171	24	74
130	Rapid Focused Ion Beam Milling Based Fabrication of Plasmonic Nanoparticles and Assemblies via "Sketch and Peel" Strategy. *ACS Nano*, **2016**, 10, 11228-11236	16.7	73
129	Integrated Metasurfaces with Microprints and Helicity-Multiplexed Holograms for Real-Time Optical Encryption. *Advanced Optical Materials*, **2020**, 8, 1902020	8.1	67
128	Recent progress in Zn-based anodes for advanced lithium ion batteries. *Materials Chemistry Frontiers*, **2018**, 2, 1414-1435	7.8	65
127	Neon Ion Beam Lithography (NIBL). *Nano Letters*, **2011**, 11, 4343-7	11.5	62
126	Enhancement of charge transport in porous carbon nanofiber networks via ZIF-8-enabled welding for flexible supercapacitors. *Chemical Engineering Journal*, **2020**, 382, 122979	14.7	60
125	3D-Printed Multi-Channel Metal Lattices Enabling Localized Electric-Field Redistribution for Dendrite-Free Aqueous Zn Ion Batteries. *Advanced Energy Materials*, **2021**, 11, 2003927	21.8	55
124	All-dielectric metasurfaces for polarization manipulation: principles and emerging applications. *Nanophotonics*, **2020**, 9, 3755-3780	6.3	53
123	"Sketch and Peel" Lithography for High-Resolution Multiscale Patterning. *Nano Letters*, **2016**, 16, 3253-9	11.5	51
122	Long-aspect-ratio N-rich carbon nanotubes as anode material for sodium and lithium ion batteries. *Chemical Engineering Journal*, **2020**, 395, 125054	14.7	50
121	Electron-energy loss study of nonlocal effects in connected plasmonic nanoprisms. *ACS Nano*, **2013**, 7, 6287-96	16.7	49

120	Limiting factors in sub-10nm scanning-electron-beam lithography. *Journal of Vacuum Science & Technology B*, **2009**, 27, 2616		49
119	Fabrication and characterization of bit-patterned media beyond 1.5 Tbit/in2. *Nanotechnology*, **2011**, 22, 385301	3.4	48
118	Uniform Gold-Nanoparticle-Decorated {001}-Faceted Anatase TiO Nanosheets for Enhanced Solar-Light Photocatalytic Reactions. *ACS Applied Materials & Interfaces*, **2017**, 9, 36907-36916	9.5	47
117	Magnesium-Based Metasurfaces for Dual-Function Switching between Dynamic Holography and Dynamic Color Display. *ACS Nano*, **2020**, 14, 7892-7898	16.7	46
116	Synthesis and Transport Properties of Degenerate P-Type Nb-Doped WS2 Monolayers. *Chemistry of Materials*, **2019**, 31, 3534-3541	9.6	45
115	Stepwise-Nanocavity-Assisted Transmissive Color Filter Array Microprints. *Research*, **2018**, 2018, 8109054	7.8	44
114	Hierarchical CuCo2O4 nanowire@NiCo2O4 nanosheet core/shell arrays for high-performance supercapacitors. *RSC Advances*, **2015**, 5, 69636-69641	3.7	43
113	Homologous NiCoP/CoP hetero-nanosheets supported on N-doped carbon nanotubes for high-rate hybrid supercapacitors. *Electrochimica Acta*, **2020**, 341, 135988	6.7	42
112	Ultra-uniform CuO/Cu in nitrogen-doped carbon nanofibers as a stable anode for Li-ion batteries. *Journal of Materials Chemistry A*, **2016**, 4, 10585-10592	13	42
111	Rapidly synthesizing interconnected carbon nanocage by microwave toward high-performance aluminum batteries. *Chemical Engineering Journal*, **2020**, 389, 124407	14.7	41
110	Integrating Flexible Ultralight 3D Ni Micromesh Current Collector with NiCo Bimetallic Hydroxide for Smart Hybrid Supercapacitors. *Advanced Functional Materials*, **2021**, 31, 2100290	15.6	41
109	Facile synthesis of ZnWO4 nanowall arrays on Ni foam for high performance supercapacitors. *RSC Advances*, **2014**, 4, 4212-4217	3.7	38
108	Flexible 3D carbon cloth as a high-performing electrode for energy storage and conversion. *Nanoscale*, **2020**, 12, 5261-5285	7.7	37
107	Portable and Label-Free Detection of Blood Bilirubin with Graphene-Isolated-Au-Nanocrystals Paper Strip. *Analytical Chemistry*, **2018**, 90, 13687-13694	7.8	37
106	Controlled collapse of high-aspect-ratio nanostructures. *Small*, **2011**, 7, 2661-8	11	36
105	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
104	Sub-10 nm fabrication: methods and applications. *International Journal of Extreme Manufacturing*, **2021**, 3, 032002	7.9	34
103	Emerging miniaturized energy storage devices for microsystem applications: from design to integration. *International Journal of Extreme Manufacturing*, **2020**, 2, 042001	7.9	33

102	Sensitive Surface-Enhanced Raman Scattering Detection Using On-Demand Postassembled Particle-on-Film Structure. *ACS Applied Materials & Interfaces*, **2017**, 9, 31102-31110	9.5	32
101	Electrically Tunable Multifunctional Polarization-Dependent Metasurfaces Integrated with Liquid Crystals in the Visible Region. *Nano Letters*, **2021**, 21, 4554-4562	11.5	32
100	Recent advances in focused ion beam nanofabrication for nanostructures and devices: fundamentals and applications. *Nanoscale*, **2021**, 13, 1529-1565	7.7	31
99	Ultrathin Glass-Based Flexible, Transparent, and Ultrasensitive Surface Acoustic Wave Humidity Sensor with ZnO Nanowires and Graphene Quantum Dots. *ACS Applied Materials & Interfaces*, **2020**, 12, 39817-39825	9.5	30
98	Free-standing sub-10 nm nanostencils for the definition of gaps in plasmonic antennas. *Nanotechnology*, **2013**, 24, 185301	3.4	28
97	Wrinkle-Enabled Highly Stretchable Strain Sensors for Wide-Range Health Monitoring with a Big Data Cloud Platform. *ACS Applied Materials & Interfaces*, **2020**, 12, 43009-43017	9.5	27
96	Shape-Engineered Synthesis of Atomically Thin 1T-SnS Catalyzed by Potassium Halides. *ACS Nano*, **2019**, 13, 8265-8274	16.7	26
95	30 GHz surface acoustic wave transducers with extremely high mass sensitivity. *Applied Physics Letters*, **2020**, 116, 123502	3.4	25
94	Three-Dimensional-Stacked Gold Nanoparticles with Sub-5 nm Gaps on Vertically Aligned TiO Nanosheets for Surface-Enhanced Raman Scattering Detection Down to 10 fM Scale. *ACS Applied Materials & Interfaces*, **2018**, 10, 35607-35614	9.5	23
93	In-Situ Synthesis of 3D Carbon Coated Zinc-Cobalt Bimetallic Oxide Networks as Anode in Lithium-Ion Batteries. *ChemElectroChem*, **2018**, 5, 1708-1716	4.3	21
92	Hot-Electrons Mediated Efficient Visible-Light Photocatalysis of Hierarchical Black Au□iO2 Nanorod Arrays on Flexible Substrate. *Advanced Materials Interfaces*, **2016**, 3, 1600588	4.6	21
91	Double Fano resonances in hybrid disk/rod artificial plasmonic molecules based on dipole-quadrupole coupling. *Nanoscale*, **2020**, 12, 9776-9785	7.7	20
90	Ultrahigh-Frequency Surface Acoustic Wave Sensors with Giant Mass-Loading Effects on Electrodes. *ACS Sensors*, **2020**, 5, 1657-1664	9.2	19
89	Topology Optimization-Based Inverse Design of Plasmonic Nanodimer with Maximum Near-Field Enhancement. *Advanced Functional Materials*, **2020**, 30, 2000642	15.6	19
88	Ultrathin and Ultralight Zn Micromesh-Induced Spatial-Selection Deposition for Flexible High-Specific-Energy Zn-Ion Batteries. *Advanced Functional Materials*, **2021**, 31, 2106550	15.6	19
87	Growth of Large-Area Homogeneous Monolayer Transition-Metal Disulfides via a Molten Liquid Intermediate Process. *ACS Applied Materials & Interfaces*, **2020**, 12, 13174-13181	9.5	18
86	3D-Printed Bioinspired Cassie-Baxter Wettability for Controllable Microdroplet Manipulation. *ACS Applied Materials & Interfaces*, **2021**, 13, 1979-1987	9.5	18
85	Large-Area, Optical Variable-Color Metasurfaces Based on Pixelated Plasmonic Nanogratings. *Advanced Optical Materials*, **2019**, 7, 1801302	8.1	17

84	Ultrathin hetero-nanosheets assembled hollow Ni-Co-P/C for hybrid supercapacitors with enhanced rate capability and cyclic stability. *Journal of Colloid and Interface Science*, **2020**, 577, 368-378	9.3	16
83	Surface enhanced Raman scattering of gold nanoparticles supported on copper foil with graphene as a nanometer gap. *Nanotechnology*, **2016**, 27, 075201	3.4	16
82	Color-Changeable Four-Dimensional Printing Enabled with Ultraviolet-Curable and Thermochromic Shape Memory Polymers. *ACS Applied Materials & Interfaces*, **2021**, 13, 18120-18127	9.5	16
81	E□Raman Mode in Thermal Strain-Fractured CVD-MoS2. *Crystals*, **2016**, 6, 151	2.3	16
80	Fabrication of single-crystal silicon nanotubes with sub-10 nm walls using cryogenic inductively coupled plasma reactive ion etching. *Nanotechnology*, **2016**, 27, 365302	3.4	16
79	Reliable fabrication of plasmonic nanostructures without an adhesion layer using dry lift-off. *Nanotechnology*, **2015**, 26, 405301	3.4	15
78	Vapor-phase preparation of gold nanocrystals by chloroauric acid pyrolysis. *Journal of Colloid and Interface Science*, **2015**, 439, 21-7	9.3	15
77	Holographic Sampling Display Based on Metagratings. *IScience*, **2020**, 23, 100773	6.1	15
76	Metasurfaces Composed of Plasmonic Molecules: Hybridization Between Parallel and Orthogonal Surface Lattice Resonances. *Advanced Optical Materials*, **2020**, 8, 1901109	8.1	15
75	Enhanced Second Harmonic Generation from Ferroelectric HfO-Based Hybrid Metasurfaces. *ACS Nano*, **2019**, 13, 1213-1222	16.7	15
74	Enhanced Directional Fluorescence Emission of Randomly Oriented Emitters via a Metal□Dielectric Hybrid Nanoantenna. *Journal of Physical Chemistry C*, **2019**, 123, 21150-21160	3.8	14
73	Amorphizing noble metal chalcogenide catalysts at the single-layer limit towards hydrogen production. *Nature Catalysis*, **2022**, 5, 212-221	36.5	14
72	High performance 33.7 GHz surface acoustic wave nanotransducers based on AlScN/diamond/Si layered structures. *Applied Physics Letters*, **2018**, 113, 093503	3.4	13
71	Sensitive SERS detection at the single-particle level based on nanometer-separated mushroom-shaped plasmonic dimers. *Nanotechnology*, **2018**, 29, 105301	3.4	12
70	Osiers-sprout-like heteroatom-doped carbon nanofibers as ultrastable anodes for lithium/sodium ion storage. *Nano Research*, **2018**, 11, 3791-3801	10	12
69	3D Printed Ultrastretchable, Hyper-Antifreezing Conductive Hydrogel for Sensitive Motion and Electrophysiological Signal Monitoring. *Research*, **2020**, 2020, 1426078	7.8	12
68	Accurate inverse design of Fabry□Perot-cavity-based color filters far beyond sRGB via a bidirectional artificial neural network. *Photonics Research*, **2021**, 9, B236	6	12
67	Electrochemically intercalated intermediate induced exfoliation of few-layer MoS2 from molybdenite for long-life sodium storage. *Science China Materials*, **2021**, 64, 115-127	7.1	12

66	Epitaxial Growth of 2D Bi2O2Se Nanoplates/1D CsPbBr3 Nanowires Mixed-Dimensional Heterostructures with Enhanced Optoelectronic Properties. *Advanced Functional Materials*, **2021**, 31, 2010263	15.6	12
65	Direct electron-beam patterning of transferrable plasmonic gold nanoparticles using a HAuCl/PVP composite resist. *Nanoscale*, **2019**, 11, 1245-1252	7.7	11
64	Diethylamine gas sensor using V2O5-decorated Fe2O3 nanorods as a sensing material. *RSC Advances*, **2016**, 6, 6511-6515	3.7	11
63	Kirigami-inspired multiscale patterning of metallic structures via predefined nanotrench templates. *Microsystems and Nanoengineering*, **2019**, 5, 54	7.7	11
62	Tailoring polysulfide trapping and kinetics by engineering hollow carbon bubble nanoreactors for high-energy Li-S pouch cells. *Nano Research*, **2021**, 14, 1355-1363	10	11
61	Phosphorization-Induced Void-Containing Fe3O4 Nanoparticles Enabling Low Lithiation/Delithiation Potential for High-Performance Lithium-Ion Batteries. *ChemElectroChem*, **2019**, 6, 5060-5069	4.3	10
60	Near-Field Orbital Angular Momentum Generation and Detection Based on Spin-Orbit Interaction in Gold Metasurfaces. *Advanced Theory and Simulations*, **2019**, 2, 1900133	3.5	10
59	Tunable confinement of Cu-Zn bimetallic oxides in carbon nanofiber networks by thermal diffusion for lithium-ion battery. *Applied Surface Science*, **2020**, 517, 146079	6.7	10
58	Orientational Imaging of a Single Gold Nanorod at the Liquid/Solid Interface with Polarized Evanescent Field Illumination. *Analytical Chemistry*, **2016**, 88, 1995-9	7.8	10
57	Stability studies of ZnO and AlN thin film acoustic wave devices in acid and alkali harsh environments.. *RSC Advances*, **2020**, 10, 19178-19184	3.7	9
56	Reliable Patterning, Transfer Printing and Post-Assembly of Multiscale Adhesion-Free Metallic Structures for Nanogap Device Applications. *Advanced Functional Materials*, **2020**, 30, 2002549	15.6	9
55	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
54	Foveated glasses-free 3D display with ultrawide field of view via a large-scale 2D-metagrating complex. *Light: Science and Applications*, **2021**, 10, 213	16.7	8
53	High-fidelity fabrication of plasmonic nanoholes array via ion-beam planarization for extraordinary transmission applications. *Applied Surface Science*, **2020**, 526, 146690	6.7	8
52	High Performance Acoustic Wave Nitrogen Dioxide Sensor with Ultraviolet Activated 3D Porous Architecture of Ag-Decorated Reduced Graphene Oxide and Polypyrrole Aerogel. *ACS Applied Materials & Interfaces*, **2021**, 13, 42094-42103	9.5	8
51	Nanobridged rhombic antennas supporting both dipolar and high-order plasmonic modes with spatially superimposed hotspots in the mid-infrared. *Opto-Electronic Advances*, **2021**, 4, 210076-210076	6.5	7
50	General Synthesis of Nanoporous 2D Metal Compounds with 3D Bicontinous Structure. *Advanced Materials*, **2020**, 32, e2004055	24	7
49	Fabrication of Fabry-Perot-cavity-based monolithic full-color filter arrays using a template-confined micro-reflow process. *Journal of Micromechanics and Microengineering*, **2019**, 29, 025008	2	7

48	Buckling of stomatopod-dactyl-club-inspired functional gradient plates: A numerical study. *Composite Structures*, **2019**, 207, 801-815	5.3	7
47	Nanoporous B C towards Highly Efficient Electrochemical Nitrogen Fixation. *Small*, **2021**, 17, e2102814	11	7
46	Polarization-perceptual anisotropic two-dimensional ReS neuro-transistor with reconfigurable neuromorphic vision.. *Materials Horizons*, **2022**,	14.4	7
45	Metasurface-enabled on-chip multiplexed diffractive neural networks in the visible. *Light: Science and Applications*, **2022**, 11,	16.7	7
44	The growth kinetics of CsPbBr3 microwires on mica: an in situ investigation. *Journal Physics D: Applied Physics*, **2020**, 53, 235105	3	6
43	Vapor-phase preparation of single-crystalline thin gold microplates using HAuCl4 as the precursor for plasmonic applications. *RSC Advances*, **2016**, 6, 74937-74943	3.7	6
42	High-performance lateral MoS2-MoO3 heterojunction phototransistor enabled by in-situ chemical-oxidation. *Science China Materials*, **2020**, 63, 1076-1084	7.1	5
41	Plasmon Modes and Substrate-Induced Fano Dip in Gold Nano-Octahedra. *Plasmonics*, **2015**, 10, 1013-1021	2.4	5
40	Low-voltage-exposure-enabled hydrogen silsesquioxane bilayer-like process for three-dimensional nanofabrication. *Nanotechnology*, **2016**, 27, 254002	3.4	5
39	Plasmonic metal nanostructures with extremely small features: new effects, fabrication and applications. *Nanoscale Advances*, **2021**, 3, 4349-4369	5.1	5
38	Observation of optical gyromagnetic properties in a magneto-plasmonic metamaterial.. *Nature Communications*, **2022**, 13, 1719	17.4	5
37	Magnetic Doping Induced Strong Circularly Polarized Light Emission and Detection in 2D Layered Halide Perovskite. *Advanced Optical Materials*,2200183	8.1	5
36	An anti-ultrasonic-stripping effect in confined micro/nanoscale cavities and its applications for efficient multiscale metallic patterning. *Nanoscale*, **2016**, 8, 19541-19550	7.7	4
35	Ultra-Stable Asymmetric Supercapacitors Constructed by In-Situ Electro-Oxidation Activated Ni@CNTs Composites. *ChemElectroChem*, **2018**, 5, 3213-3221	4.3	4
34	Miniaturization of grayscale images. *Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics*, **2011**, 29, 06F313	1.3	4
33	Flexible thin-film acoustic wave devices with off-axis bending characteristics for multisensing applications.. *Microsystems and Nanoengineering*, **2021**, 7, 97	7.7	4
32	Adhesion-Engineering-Enabled Sketch and Peel Lithography for Aluminum Plasmonic Nanogaps. *Advanced Optical Materials*, **2020**, 8, 1901202	8.1	4
31	Random Nanofracture-Enabled Physical Unclonable Function. *Advanced Materials Technologies*, **2021**, 6, 2001073	6.8	4

30	High-Resolution Van der Waals Stencil Lithography for 2D Transistors. *Small*, **2021**, 17, e2101209	11	4
29	Sub-5 nm Lithography with Single GeV Heavy Ions Using Inorganic Resist. *Nano Letters*, **2021**, 21, 2390-2396	11.5	4
28	Low voltage and robust InSe memristor using van der Waals electrodes integration. *International Journal of Extreme Manufacturing*,	7.9	4
27	Near-field coupling derived plasmon-induced transparency and Fano dip in symmetry-broken terahertz metamaterials by the sketch and peel lithography process. *Microelectronic Engineering*, **2020**, 220, 111155	2.5	3
26	Pomegranate-inspired Zn2Ti3O8/TiO2@C nanospheres with pseudocapacitive effect for ultra-stable lithium-ion batteries. *Chemical Engineering Journal*, **2021**, 418, 129227	14.7	3
25	Engineering 3D Architecture Electrodes for High-Rate Aqueous Zn Mn Microbatteries. *ACS Applied Energy Materials*, **2021**, 4, 10414-10422	6.1	3
24	Broadband Polarization-Switchable Multi-Focal Noninterleaved Metalenses in the Visible. *Laser and Photonics Reviews*, **2021**, 15, 2100198	8.3	3
23	CsCu2I3 Nanoribbons on Various Substrates for UV Photodetectors. *ACS Applied Nano Materials*, **2021**, 4, 9625-9634	5.6	3
22	Nanoporous Intermetallic SnTe Enables Efficient Electrochemical CO Reduction into Formate via Promoting the Fracture of Metal-Oxygen Bonding.. *Small*, **2022**, e2107968	11	3
21	Split-orientation-modulated plasmon coupling in disk/sector dimers. *Journal of Applied Physics*, **2017**, 121, 213105	2.5	2
20	Fabrication of gold nanostructures using wet lift-off without adhesion promotion. *Microelectronic Engineering*, **2020**, 233, 111420	2.5	2
19	Strongly coupled evenly divided disks: a new compact and tunable platform for plasmonic Fano resonances. *Nanotechnology*, **2020**, 31, 325202	3.4	2
18	Deterministic thermal micro-reflow of lithographic structures for Sub-10-nm metallic gaps fabrication. *Microelectronic Engineering*, **2020**, 225, 111275	2.5	2
17	Flexible Transparent Electrochemical Energy Conversion and Storage: from Electrode Structures to Integrated Applications. *Energy and Environmental Materials*,	13	2
16	Ion-beam-etching based lift-off for reliable patterning of dense and inverse metallic nanostructures towards 10-nm scale. *Microelectronic Engineering*, **2020**, 232, 111406	2.5	2
15	Plasmonic Fano Resonance in Homotactic Aluminum Nanorod Trimer: the Key Role of Coupling Gap. *Plasmonics*, **2020**, 15, 1281-1287	2.4	1
14	Nanotube Arrays: Radially Aligned Porous Carbon Nanotube Arrays on Carbon Fibers: A Hierarchical 3D Carbon Nanostructure for High-Performance Capacitive Energy Storage (Adv. Funct. Mater. 18/2016). *Advanced Functional Materials*, **2016**, 26, 2978-2978	15.6	1
13	A strong saddle-shaped surface-to-volume ratio effect on the Young's modulus of silicon nanotubes. *Applied Physics Letters*, **2018**, 112, 263103	3.4	1

12	Enhancing the stability of polymer nanostructures via ultrathin oxide coatings for nano-optical device applications. *Nanotechnology*, **2021**, 32,	3.4	1
11	3D-Printed Complex Microstructures with a Self-Sacrificial Structure Enabled by Grayscale Polymerization and Ultrasonic Treatment. *ACS Omega*, **2021**, 6, 18281-18288	3.9	1
10	Enhancing Plasmonic Spectral Tunability with Anomalous Material Dispersion. *Nano Letters*, **2021**, 21, 91-98	11.5	1
9	Fabrication of single-nanometer metallic gaps via spontaneous nanoscale dewetting. *Nanotechnology*, **2021**, 32, 205302	3.4	1
8	Freestanding 3D Metallic Micromesh for High-Performance Flexible Transparent Solid-State Zinc Batteries.. *Small*, **2022**, e2201628	11	1
7	Circular Displacement Current Induced Anomalous Magneto-Optical Effects in High Index Mie Resonators. *Laser and Photonics Reviews*,2200067	8.3	1
6	Ultrahigh broadband absorption in metamaterials with electric and magnetic polaritons enabled by multiple materials. *International Journal of Heat and Mass Transfer*, **2022**, 185, 122355	4.9	0
5	Intraband hot-electron photoluminescence of a silver nanowire-coupled gold film high-order gap plasmons. *Nanoscale*, **2021**, 13, 11204-11214	7.7	0
4	3D Printable Silicone Rubber for Long-Lasting and Weather-Resistant Wearable Devices. *ACS Applied Polymer Materials*, **2022**, 4, 2384-2392	4.3	0
3	3D-Printed Bionic Solar Evaporator. *Solar Rrl*,2101063	7.1	0
2	Dimension and process effects on the mechanical stability of ultra-small HSQ nanopillars. *Journal of Nanoparticle Research*, **2021**, 23, 1	2.3	
1	Manipulating Picosecond Photoresponse in van der Waals Heterostructure Photodetectors. *Advanced Functional Materials*,2200973	15.6	