

Huigao Duan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Ultrahigh broadband absorption in metamaterials with electric and magnetic polaritons enabled by multiple materials. <i>International Journal of Heat and Mass Transfer</i> , 2022 , 185, 122355	4.9	0
154	Polarization-perceptual anisotropic two-dimensional ReS neuro-transistor with reconfigurable neuromorphic vision.. <i>Materials Horizons</i> , 2022 ,	14.4	7
153	Amorphizing noble metal chalcogenide catalysts at the single-layer limit towards hydrogen production. <i>Nature Catalysis</i> , 2022 , 5, 212-221	36.5	14
152	Observation of optical gyromagnetic properties in a magneto-plasmonic metamaterial.. <i>Nature Communications</i> , 2022 , 13, 1719	17.4	5
151	3D Printable Silicone Rubber for Long-Lasting and Weather-Resistant Wearable Devices. <i>ACS Applied Polymer Materials</i> , 2022 , 4, 2384-2392	4.3	0
150	Nanoporous Intermetallic SnTe Enables Efficient Electrochemical CO Reduction into Formate via Promoting the Fracture of Metal-Oxygen Bonding.. <i>Small</i> , 2022 , e2107968	11	3
149	Freestanding 3D Metallic Micromesh for High-Performance Flexible Transparent Solid-State Zinc Batteries.. <i>Small</i> , 2022 , e2201628	11	1
148	Metasurface-enabled on-chip multiplexed diffractive neural networks in the visible. <i>Light: Science and Applications</i> , 2022 , 11,	16.7	7
147	Flexible thin-film acoustic wave devices with off-axis bending characteristics for multisensing applications.. <i>Microsystems and Nanoengineering</i> , 2021 , 7, 97	7.7	4
146	Dimension and process effects on the mechanical stability of ultra-small HSQ nanopillars. <i>Journal of Nanoparticle Research</i> , 2021 , 23, 1	2.3	
145	Nanobridged rhombic antennas supporting both dipolar and high-order plasmonic modes with spatially superimposed hotspots in the mid-infrared. <i>Opto-Electronic Advances</i> , 2021 , 4, 210076-210076	6.5	7
144	Foveated glasses-free 3D display with ultrawide field of view via a large-scale 2D-metagrating complex. <i>Light: Science and Applications</i> , 2021 , 10, 213	16.7	8
143	3D-Printed Multi-Channel Metal Lattices Enabling Localized Electric-Field Redistribution for Dendrite-Free Aqueous Zn Ion Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2003927	21.8	55
142	Enhancing the stability of polymer nanostructures via ultrathin oxide coatings for nano-optical device applications. <i>Nanotechnology</i> , 2021 , 32,	3.4	1
141	Accurate inverse design of FabryPerot-cavity-based color filters far beyond sRGB via a bidirectional artificial neural network. <i>Photonics Research</i> , 2021 , 9, B236	6	12
140	Integrating Flexible Ultralight 3D Ni Micromesh Current Collector with NiCo Bimetallic Hydroxide for Smart Hybrid Supercapacitors. <i>Advanced Functional Materials</i> , 2021 , 31, 2100290	15.6	41
139	Random Nanofracture-Enabled Physical Unclonable Function. <i>Advanced Materials Technologies</i> , 2021 , 6, 2001073	6.8	4

138	Color-Changeable Four-Dimensional Printing Enabled with Ultraviolet-Curable and Thermochromic Shape Memory Polymers. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 18120-18127	9.5	16
137	Electrically Tunable Multifunctional Polarization-Dependent Metasurfaces Integrated with Liquid Crystals in the Visible Region. <i>Nano Letters</i> , 2021 , 21, 4554-4562	11.5	32
136	High-Resolution Van der Waals Stencil Lithography for 2D Transistors. <i>Small</i> , 2021 , 17, e2101209	11	4
135	3D-Printed Complex Microstructures with a Self-Sacrificial Structure Enabled by Grayscale Polymerization and Ultrasonic Treatment. <i>ACS Omega</i> , 2021 , 6, 18281-18288	3.9	1
134	Electrochemically intercalated intermediate induced exfoliation of few-layer MoS ₂ from molybdenite for long-life sodium storage. <i>Science China Materials</i> , 2021 , 64, 115-127	7.1	12
133	Enhancing Plasmonic Spectral Tunability with Anomalous Material Dispersion. <i>Nano Letters</i> , 2021 , 21, 91-98	11.5	1
132	3D-Printed Bioinspired Cassie-Baxter Wettability for Controllable Microdroplet Manipulation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 1979-1987	9.5	18
131	Intraband hot-electron photoluminescence of a silver nanowire-coupled gold film high-order gap plasmons. <i>Nanoscale</i> , 2021 , 13, 11204-11214	7.7	0
130	Recent advances in focused ion beam nanofabrication for nanostructures and devices: fundamentals and applications. <i>Nanoscale</i> , 2021 , 13, 1529-1565	7.7	31
129	Tailoring polysulfide trapping and kinetics by engineering hollow carbon bubble nanoreactors for high-energy Li-S pouch cells. <i>Nano Research</i> , 2021 , 14, 1355-1363	10	11
128	Fabrication of single-nanometer metallic gaps via spontaneous nanoscale dewetting. <i>Nanotechnology</i> , 2021 , 32, 205302	3.4	1
127	Epitaxial Growth of 2D Bi ₂ O ₂ Se Nanoplates/1D CsPbBr ₃ Nanowires Mixed-Dimensional Heterostructures with Enhanced Optoelectronic Properties. <i>Advanced Functional Materials</i> , 2021 , 31, 2010263	15.6	12
126	Sub-5 nm Lithography with Single GeV Heavy Ions Using Inorganic Resist. <i>Nano Letters</i> , 2021 , 21, 2390-2396	11.5	4
125	Sub-10 nm fabrication: methods and applications. <i>International Journal of Extreme Manufacturing</i> , 2021 , 3, 032002	7.9	34
124	Pomegranate-inspired ZnTi ₃ O ₈ /TiO ₂ @C nanospheres with pseudocapacitive effect for ultra-stable lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2021 , 418, 129227	14.7	3
123	Nanoporous B C towards Highly Efficient Electrochemical Nitrogen Fixation. <i>Small</i> , 2021 , 17, e2102814	11	7
122	Ultrathin and Ultralight Zn Micromesh-Induced Spatial-Selection Deposition for Flexible High-Specific-Energy Zn-Ion Batteries. <i>Advanced Functional Materials</i> , 2021 , 31, 2106550	15.6	19
121	High Performance Acoustic Wave Nitrogen Dioxide Sensor with Ultraviolet Activated 3D Porous Architecture of Ag-Decorated Reduced Graphene Oxide and Polypyrrole Aerogel. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 42094-42103	9.5	8

120	Engineering 3D Architecture Electrodes for High-Rate Aqueous Zn/Mn Microbatteries. <i>ACS Applied Energy Materials</i> , 2021 , 4, 10414-10422	6.1	3
119	Broadband Polarization-Switchable Multi-Focal Noninterleaved Metalenses in the Visible. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2100198	8.3	3
118	CsCu ₂ I ₃ Nanoribbons on Various Substrates for UV Photodetectors. <i>ACS Applied Nano Materials</i> , 2021 , 4, 9625-9634	5.6	3
117	Plasmonic metal nanostructures with extremely small features: new effects, fabrication and applications. <i>Nanoscale Advances</i> , 2021 , 3, 4349-4369	5.1	5
116	Fabrication of gold nanostructures using wet lift-off without adhesion promotion. <i>Microelectronic Engineering</i> , 2020 , 233, 111420	2.5	2
115	Tunable confinement of Cu-Zn bimetallic oxides in carbon nanofiber networks by thermal diffusion for lithium-ion battery. <i>Applied Surface Science</i> , 2020 , 517, 146079	6.7	10
114	Strongly coupled evenly divided disks: a new compact and tunable platform for plasmonic Fano resonances. <i>Nanotechnology</i> , 2020 , 31, 325202	3.4	2
113	Stability studies of ZnO and AlN thin film acoustic wave devices in acid and alkali harsh environments.. <i>RSC Advances</i> , 2020 , 10, 19178-19184	3.7	9
112	Ultrahigh-Frequency Surface Acoustic Wave Sensors with Giant Mass-Loading Effects on Electrodes. <i>ACS Sensors</i> , 2020 , 5, 1657-1664	9.2	19
111	Ultrathin hetero-nanosheets assembled hollow Ni-Co-P/C for hybrid supercapacitors with enhanced rate capability and cyclic stability. <i>Journal of Colloid and Interface Science</i> , 2020 , 577, 368-378	9.3	16
110	Identification of the Dynamic Behavior of Oxygen Vacancy-Rich CoO for Oxygen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2020 , 142, 12087-12095	16.4	279
109	Reliable Patterning, Transfer Printing and Post-Assembly of Multiscale Adhesion-Free Metallic Structures for Nanogap Device Applications. <i>Advanced Functional Materials</i> , 2020 , 30, 2002549	15.6	9
108	Plasmonic Fano Resonance in Homotactic Aluminum Nanorod Trimer: the Key Role of Coupling Gap. <i>Plasmonics</i> , 2020 , 15, 1281-1287	2.4	1
107	The growth kinetics of CsPbBr ₃ microwires on mica: an in situ investigation. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 235105	3	6
106	High-performance lateral MoS ₂ -MoO ₃ heterojunction phototransistor enabled by in-situ chemical-oxidation. <i>Science China Materials</i> , 2020 , 63, 1076-1084	7.1	5
105	30 GHz surface acoustic wave transducers with extremely high mass sensitivity. <i>Applied Physics Letters</i> , 2020 , 116, 123502	3.4	25
104	Integrated Metasurfaces with Microprints and Helicity-Multiplexed Holograms for Real-Time Optical Encryption. <i>Advanced Optical Materials</i> , 2020 , 8, 1902020	8.1	67
103	Growth of Large-Area Homogeneous Monolayer Transition-Metal Disulfides via a Molten Liquid Intermediate Process. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 13174-13181	9.5	18

102	Homologous NiCoP/CoP hetero-nanosheets supported on N-doped carbon nanotubes for high-rate hybrid supercapacitors. <i>Electrochimica Acta</i> , 2020 , 341, 135988	6.7	42
101	Deterministic thermal micro-reflow of lithographic structures for Sub-10-nm metallic gaps fabrication. <i>Microelectronic Engineering</i> , 2020 , 225, 111275	2.5	2
100	Rapidly synthesizing interconnected carbon nanocage by microwave toward high-performance aluminum batteries. <i>Chemical Engineering Journal</i> , 2020 , 389, 124407	14.7	41
99	Topology Optimization-Based Inverse Design of Plasmonic Nanodimer with Maximum Near-Field Enhancement. <i>Advanced Functional Materials</i> , 2020 , 30, 2000642	15.6	19
98	Magnesium-Based Metasurfaces for Dual-Function Switching between Dynamic Holography and Dynamic Color Display. <i>ACS Nano</i> , 2020 , 14, 7892-7898	16.7	46
97	Long-aspect-ratio N-rich carbon nanotubes as anode material for sodium and lithium ion batteries. <i>Chemical Engineering Journal</i> , 2020 , 395, 125054	14.7	50
96	All-dielectric metasurfaces for polarization manipulation: principles and emerging applications. <i>Nanophotonics</i> , 2020 , 9, 3755-3780	6.3	53
95	3D Printed Ultrastretchable, Hyper-Antifreezing Conductive Hydrogel for Sensitive Motion and Electrophysiological Signal Monitoring. <i>Research</i> , 2020 , 2020, 1426078	7.8	12
94	High-fidelity fabrication of plasmonic nanoholes array via ion-beam planarization for extraordinary transmission applications. <i>Applied Surface Science</i> , 2020 , 526, 146690	6.7	8
93	Emerging miniaturized energy storage devices for microsystem applications: from design to integration. <i>International Journal of Extreme Manufacturing</i> , 2020 , 2, 042001	7.9	33
92	Near-field coupling derived plasmon-induced transparency and Fano dip in symmetry-broken terahertz metamaterials by the sketch and peel lithography process. <i>Microelectronic Engineering</i> , 2020 , 220, 111155	2.5	3
91	Adhesion-Engineering-Enabled Sketch and Peel Lithography for Aluminum Plasmonic Nanogaps. <i>Advanced Optical Materials</i> , 2020 , 8, 1901202	8.1	4
90	Flexible 3D carbon cloth as a high-performing electrode for energy storage and conversion. <i>Nanoscale</i> , 2020 , 12, 5261-5285	7.7	37
89	Holographic Sampling Display Based on Metagratings. <i>IScience</i> , 2020 , 23, 100773	6.1	15
88	Trichromatic and Tripolarization-Channel Holography with Noninterleaved Dielectric Metasurface. <i>Nano Letters</i> , 2020 , 20, 994-1002	11.5	92
87	Metasurfaces Composed of Plasmonic Molecules: Hybridization Between Parallel and Orthogonal Surface Lattice Resonances. <i>Advanced Optical Materials</i> , 2020 , 8, 1901109	8.1	15
86	A Sub-10 nm Vertical Organic/Inorganic Hybrid Transistor for Pain-Perceptual and Sensitization-Regulated Nociceptor Emulation. <i>Advanced Materials</i> , 2020 , 32, e1906171	24	74
85	General Synthesis of Nanoporous 2D Metal Compounds with 3D Bicontinuous Structure. <i>Advanced Materials</i> , 2020 , 32, e2004055	24	7

84	Ultrathin Glass-Based Flexible, Transparent, and Ultrasensitive Surface Acoustic Wave Humidity Sensor with ZnO Nanowires and Graphene Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 39817-39825	9.5	30
83	Ion-beam-etching based lift-off for reliable patterning of dense and inverse metallic nanostructures towards 10-nm scale. <i>Microelectronic Engineering</i> , 2020 , 232, 111406	2.5	2
82	Wrinkle-Enabled Highly Stretchable Strain Sensors for Wide-Range Health Monitoring with a Big Data Cloud Platform. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 43009-43017	9.5	27
81	Enhancement of charge transport in porous carbon nanofiber networks via ZIF-8-enabled welding for flexible supercapacitors. <i>Chemical Engineering Journal</i> , 2020 , 382, 122979	14.7	60
80	Double Fano resonances in hybrid disk/rod artificial plasmonic molecules based on dipole-quadrupole coupling. <i>Nanoscale</i> , 2020 , 12, 9776-9785	7.7	20
79	Phosphorization-Induced Void-Containing Fe ₃ O ₄ Nanoparticles Enabling Low Lithiation/Delithiation Potential for High-Performance Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2019 , 6, 5060-5069	4.3	10
78	Enhanced Directional Fluorescence Emission of Randomly Oriented Emitters via a Metal-Dielectric Hybrid Nanoantenna. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 21150-21160	3.8	14
77	Near-Field Orbital Angular Momentum Generation and Detection Based on Spin-Orbit Interaction in Gold Metasurfaces. <i>Advanced Theory and Simulations</i> , 2019 , 2, 1900133	3.5	10
76	3D-Integrated metasurfaces for full-colour holography. <i>Light: Science and Applications</i> , 2019 , 8, 86	16.7	109
75	Direct electron-beam patterning of transferrable plasmonic gold nanoparticles using a HAuCl/PVP composite resist. <i>Nanoscale</i> , 2019 , 11, 1245-1252	7.7	11
74	Large-Area, Optical Variable-Color Metasurfaces Based on Pixelated Plasmonic Nanogratings. <i>Advanced Optical Materials</i> , 2019 , 7, 1801302	8.1	17
73	Synthesis and Transport Properties of Degenerate P-Type Nb-Doped WS ₂ Monolayers. <i>Chemistry of Materials</i> , 2019 , 31, 3534-3541	9.6	45
72	Shape-Engineered Synthesis of Atomically Thin 1T-SnS Catalyzed by Potassium Halides. <i>ACS Nano</i> , 2019 , 13, 8265-8274	16.7	26
71	Kirigami-inspired multiscale patterning of metallic structures via predefined nanotrench templates. <i>Microsystems and Nanoengineering</i> , 2019 , 5, 54	7.7	11
70	Enhanced Second Harmonic Generation from Ferroelectric HfO-Based Hybrid Metasurfaces. <i>ACS Nano</i> , 2019 , 13, 1213-1222	16.7	15
69	Fabrication of Fabry-Pérot-cavity-based monolithic full-color filter arrays using a template-confined micro-reflow process. <i>Journal of Micromechanics and Microengineering</i> , 2019 , 29, 025008	7	7
68	Buckling of stomatopod-dactyl-club-inspired functional gradient plates: A numerical study. <i>Composite Structures</i> , 2019 , 207, 801-815	5.3	7
67	Stress-driven lithium dendrite growth mechanism and dendrite mitigation by electroplating on soft substrates. <i>Nature Energy</i> , 2018 , 3, 227-235	62.3	232

66	In-Situ Synthesis of 3D Carbon Coated Zinc-Cobalt Bimetallic Oxide Networks as Anode in Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2018 , 5, 1708-1716	4.3	21
65	Sensitive SERS detection at the single-particle level based on nanometer-separated mushroom-shaped plasmonic dimers. <i>Nanotechnology</i> , 2018 , 29, 105301	3.4	12
64	Osiers-sprout-like heteroatom-doped carbon nanofibers as ultrastable anodes for lithium/sodium ion storage. <i>Nano Research</i> , 2018 , 11, 3791-3801	10	12
63	MOF-derived N-doped carbon bubbles on carbon tube arrays for flexible high-rate supercapacitors. <i>Energy Storage Materials</i> , 2018 , 10, 75-84	19.4	118
62	Recent progress in Zn-based anodes for advanced lithium ion batteries. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 1414-1435	7.8	65
61	A strong saddle-shaped surface-to-volume ratio effect on the Young's modulus of silicon nanotubes. <i>Applied Physics Letters</i> , 2018 , 112, 263103	3.4	1
60	Ultra-Stable Asymmetric Supercapacitors Constructed by In-Situ Electro-Oxidation Activated Ni@CNTs Composites. <i>ChemElectroChem</i> , 2018 , 5, 3213-3221	4.3	4
59	Stepwise-Nanocavity-Assisted Transmissive Color Filter Array Microprints. <i>Research</i> , 2018 , 2018, 8109054.8	4.8	44
58	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. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 35607-35614	9.5	23
57	Portable and Label-Free Detection of Blood Bilirubin with Graphene-Isolated-Au-Nanocrystals Paper Strip. <i>Analytical Chemistry</i> , 2018 , 90, 13687-13694	7.8	37
56	High performance 33.7 GHz surface acoustic wave nanotransducers based on AlScN/diamond/Si layered structures. <i>Applied Physics Letters</i> , 2018 , 113, 093503	3.4	13
55	Microscopic Interference Full-Color Printing Using Grayscale-Patterned FabryPerot Resonance Cavities. <i>Advanced Optical Materials</i> , 2017 , 5, 1700029	8.1	95
54	Porous ultrathin carbon nanobubbles formed carbon nanofiber webs for high-performance flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14801-14810	13	74
53	Split-orientation-modulated plasmon coupling in disk/sector dimers. <i>Journal of Applied Physics</i> , 2017 , 121, 213105	2.5	2
52	Uniform Gold-Nanoparticle-Decorated {001}-Faceted Anatase TiO Nanosheets for Enhanced Solar-Light Photocatalytic Reactions. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 36907-36916	9.5	47
51	Sensitive Surface-Enhanced Raman Scattering Detection Using On-Demand Postassembled Particle-on-Film Structure. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 31102-31110	9.5	32
50	Dynamic Color Displays Using Stepwise Cavity Resonators. <i>Nano Letters</i> , 2017 , 17, 5555-5560	11.5	136
49	Rapid Focused Ion Beam Milling Based Fabrication of Plasmonic Nanoparticles and Assemblies via "Sketch and Peel" Strategy. <i>ACS Nano</i> , 2016 , 10, 11228-11236	16.7	73

48	Hot-Electrons Mediated Efficient Visible-Light Photocatalysis of Hierarchical Black Au@TiO ₂ Nanorod Arrays on Flexible Substrate. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600588	4.6	21
47	An anti-ultrasonic-stripping effect in confined micro/nanoscale cavities and its applications for efficient multiscale metallic patterning. <i>Nanoscale</i> , 2016 , 8, 19541-19550	7.7	4
46	Ultra-uniform CuO/Cu in nitrogen-doped carbon nanofibers as a stable anode for Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 10585-10592	13	42
45	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). <i>Advanced Functional Materials</i> , 2016 , 26, 2978-2978	15.6	1
44	Surface enhanced Raman scattering of gold nanoparticles supported on copper foil with graphene as a nanometer gap. <i>Nanotechnology</i> , 2016 , 27, 075201	3.4	16
43	Orientalional Imaging of a Single Gold Nanorod at the Liquid/Solid Interface with Polarized Evanescent Field Illumination. <i>Analytical Chemistry</i> , 2016 , 88, 1995-9	7.8	10
42	Diethylamine gas sensor using V ₂ O ₅ -decorated Fe ₂ O ₃ nanorods as a sensing material. <i>RSC Advances</i> , 2016 , 6, 6511-6515	3.7	11
41	IRaman Mode in Thermal Strain-Fractured CVD-MoS ₂ . <i>Crystals</i> , 2016 , 6, 151	2.3	16
40	Reflective Color Filters and Monolithic Color Printing Based on Asymmetric Fabry-Pérot Cavities Using Nickel as a Broadband Absorber. <i>Advanced Optical Materials</i> , 2016 , 4, 1196-1202	8.1	113
39	Radially Aligned Porous Carbon Nanotube Arrays on Carbon Fibers: A Hierarchical 3D Carbon Nanostructure for High-Performance Capacitive Energy Storage. <i>Advanced Functional Materials</i> , 2016 , 26, 3012-3020	15.6	117
38	Pronounced Fano Resonance in Single Gold Split Nanodisks with 15 nm Split Gaps for Intensive Second Harmonic Generation. <i>ACS Nano</i> , 2016 , 10, 11105-11114	16.7	96
37	"Sketch and Peel" Lithography for High-Resolution Multiscale Patterning. <i>Nano Letters</i> , 2016 , 16, 3253-911.5	11.5	51
36	Metal-organic-framework-derived ZnO@C@NiCo ₂ O ₄ core-shell structures as an advanced electrode for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 8233-8241	13	78
35	Low-voltage-exposure-enabled hydrogen silsesquioxane bilayer-like process for three-dimensional nanofabrication. <i>Nanotechnology</i> , 2016 , 27, 254002	3.4	5
34	Vapor-phase preparation of single-crystalline thin gold microplates using HAuCl ₄ as the precursor for plasmonic applications. <i>RSC Advances</i> , 2016 , 6, 74937-74943	3.7	6
33	Fabrication of single-crystal silicon nanotubes with sub-10 nm walls using cryogenic inductively coupled plasma reactive ion etching. <i>Nanotechnology</i> , 2016 , 27, 365302	3.4	16
32	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. <i>Advanced Materials</i> , 2015 , 27, 2400-524	24	528
31	Reliable fabrication of plasmonic nanostructures without an adhesion layer using dry lift-off. <i>Nanotechnology</i> , 2015 , 26, 405301	3.4	15

30	Construction of hierarchical CoS nanowire@NiCo ₂ S ₄ nanosheet arrays via one-step ion exchange for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 24033-24040	13	106
29	Hierarchical CuCo ₂ O ₄ nanowire@NiCo ₂ O ₄ nanosheet core/shell arrays for high-performance supercapacitors. <i>RSC Advances</i> , 2015 , 5, 69636-69641	3.7	43
28	Vapor-phase preparation of gold nanocrystals by chloroauric acid pyrolysis. <i>Journal of Colloid and Interface Science</i> , 2015 , 439, 21-7	9.3	15
27	Plasmon Modes and Substrate-Induced Fano Dip in Gold Nano-Octahedra. <i>Plasmonics</i> , 2015 , 10, 1013-1021	2.4	5
26	Encapsulated annealing: enhancing the plasmon quality factor in lithographically-defined nanostructures. <i>Scientific Reports</i> , 2014 , 4, 5537	4.9	81
25	Facile synthesis of ZnWO ₄ nanowall arrays on Ni foam for high performance supercapacitors. <i>RSC Advances</i> , 2014 , 4, 4212-4217	3.7	38
24	Electron-energy loss study of nonlocal effects in connected plasmonic nanoprisms. <i>ACS Nano</i> , 2013 , 7, 6287-96	16.7	49
23	Vibrational near-field mapping of planar and buried three-dimensional plasmonic nanostructures. <i>Nature Communications</i> , 2013 , 4, 2237	17.4	79
22	Resolution limits of electron-beam lithography toward the atomic scale. <i>Nano Letters</i> , 2013 , 13, 1555-8	11.5	276
21	Free-standing sub-10 nm nanostencils for the definition of gaps in plasmonic antennas. <i>Nanotechnology</i> , 2013 , 24, 185301	3.4	28
20	Fowler-Nordheim tunneling induced charge transfer plasmons between nearly touching nanoparticles. <i>ACS Nano</i> , 2013 , 7, 707-16	16.7	103
19	Printing colour at the optical diffraction limit. <i>Nature Nanotechnology</i> , 2012 , 7, 557-61	28.7	643
18	Nanoplasmonics: classical down to the nanometer scale. <i>Nano Letters</i> , 2012 , 12, 1683-9	11.5	326
17	Neon Ion Beam Lithography (NIBL). <i>Nano Letters</i> , 2011 , 11, 4343-7	11.5	62
16	Fabrication and characterization of bit-patterned media beyond 1.5 Tbit/in ² . <i>Nanotechnology</i> , 2011 , 22, 385301	3.4	48
15	Direct and reliable patterning of plasmonic nanostructures with sub-10-nm gaps. <i>ACS Nano</i> , 2011 , 5, 7593-7600	16.0	207
14	Controlled collapse of high-aspect-ratio nanostructures. <i>Small</i> , 2011 , 7, 2661-8	11	36
13	Miniaturization of grayscale images. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2011 , 29, 06F313	1.3	4

12	In situ study of hydrogen silsesquioxane dissolution rate in salty and electrochemical developers. <i>Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics</i> , 2011 , 29, 06FJ01	1.3	8
11	Metrology for electron-beam lithography and resist contrast at the sub-10 nm scale. <i>Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics</i> , 2010 , 28, C6H11-C6H17	1.3	35
10	Sub-10-nm half-pitch electron-beam lithography by using poly(methyl methacrylate) as a negative resist. <i>Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics</i> , 2010 , 28, C6C58-C6C62	1.2	76
9	Directed self-assembly at the 10 nm scale by using capillary force-induced nanocoheision. <i>Nano Letters</i> , 2010 , 10, 3710-6	11.5	94
8	Limiting factors in sub-10nm scanning-electron-beam lithography. <i>Journal of Vacuum Science & Technology B</i> , 2009 , 27, 2616		49
7	Understanding of hydrogen silsesquioxane electron resist for sub-5-nm-half-pitch lithography. <i>Journal of Vacuum Science & Technology B</i> , 2009 , 27, 2622		134
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