Huigao Duan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1985491/publications.pdf

Version: 2024-02-01

170 papers	10,797 citations	28274 55 h-index	34986 98 g-index
171 all docs	171 docs citations	171 times ranked	11800 citing authors

#	Article	IF	Citations
1	Flexible Transparent Electrochemical Energy Conversion and Storage: From Electrode Structures to Integrated Applications. Energy and Environmental Materials, 2023, 6, .	12.8	15
2	Record-Breaking Frequency of 44ÂGHz Based on the Higher Order Mode of Surface Acoustic Waves with LiNbO3/SiO2/SiC Heterostructures. Engineering, 2023, 20, 112-119.	6.7	12
3	3D printed ultra-fast photothermal responsive shape memory hydrogel for microrobots. International Journal of Extreme Manufacturing, 2022, 4, 015302.	12.7	34
4	Ultrahigh broadband absorption in metamaterials with electric and magnetic polaritons enabled by multiple materials. International Journal of Heat and Mass Transfer, 2022, 185, 122355.	4.8	11
5	Asymmetric Nanofractures Determined the Nonreciprocal Peeling for Self-Aligned Heterostructure Nanogaps and Devices. ACS Applied Materials & Interfaces, 2022, 14, 1718-1726.	8.0	2
6	Underwater Unidirectional Cellular Fluidics. ACS Applied Materials & Interfaces, 2022, 14, 9891-9898.	8.0	14
7	Polarization-perceptual anisotropic two-dimensional ReS₂ neuro-transistor with reconfigurable neuromorphic vision. Materials Horizons, 2022, 9, 1448-1459.	12.2	38
8	A Waveguide-Integrated Two-Dimensional Light-Emitting Diode Based on p-Type WSe₂/n-Type CdS Nanoribbon Heterojunction. ACS Nano, 2022, 16, 4371-4378.	14.6	17
9	Enhancement of the Faraday Effect and Magneto-optical Figure of Merit in All-Dielectric Metasurfaces. ACS Photonics, 2022, 9, 1240-1247.	6.6	18
10	Amorphizing noble metal chalcogenide catalysts at the single-layer limit towards hydrogen production. Nature Catalysis, 2022, 5, 212-221.	34.4	113
11	Observation of optical gyromagnetic properties in a magneto-plasmonic metamaterial. Nature Communications, 2022, 13, 1719.	12.8	22
12	3D Printable Silicone Rubber for Long-Lasting and Weather-Resistant Wearable Devices. ACS Applied Polymer Materials, 2022, 4, 2384-2392.	4.4	7
13	Nanoporous Intermetallic SnTe Enables Efficient Electrochemical CO₂ Reduction into Formate via Promoting the Fracture of Metalâ€“Oxygen Bonding. Small, 2022, 18, e2107968.	10.0	14
14	3Dâ€Printed Bionic Solar Evaporator. Solar Rrl, 2022, 6, .	5.8	28
15	Resist nanokirigami for multipurpose patterning. National Science Review, 2022, 9, .	9.5	7
16	Freestanding 3D Metallic Micromesh for Highâ€Performance Flexible Transparent Solidâ€State Zinc Batteries. Small, 2022, 18, e2201628.	10.0	21
17	Magnetic Doping Induced Strong Circularly Polarized Light Emission and Detection in 2D Layered Halide Perovskite. Advanced Optical Materials, 2022, 10, .	7.3	17
18	Manipulating Picosecond Photoresponse in van der Waals Heterostructure Photodetectors. Advanced Functional Materials, 2022, 32, .	14.9	6

#	Article	IF	Citations
19	Inverse design of structural color: finding multiple solutions via conditional generative adversarial networks. Nanophotonics, 2022, 11, 3057-3069.	6.0	14
20	Circular Displacement Current Induced Anomalous Magnetoâ€Optical Effects in High Index Mie Resonators. Laser and Photonics Reviews, 2022, 16, .	8.7	13
21	Metasurface-enabled on-chip multiplexed diffractive neural networks in the visible. Light: Science and Applications, 2022, 11, .	16.6	84
22	Three-Dimensional Open Water Microchannel Transpiration Mimetics. ACS Applied Materials & Interfaces, 2022, 14, 30435-30442.	8.0	13
23	Dielectric metalens for miniaturized imaging systems: progress and challenges. Light: Science and Applications, 2022, 11, .	16.6	108
24	Multiscale and hierarchical wrinkle enhanced graphene/Ecoflex sensors integrated with human-machine interfaces and cloud-platform. Npj Flexible Electronics, 2022, 6, .	10.7	20
25	Electrochemically intercalated intermediate induced exfoliation of few-layer MoS2 from molybdenite for long-life sodium storage. Science China Materials, 2021, 64, 115-127.	6.3	22
26	Enhancing Plasmonic Spectral Tunability with Anomalous Material Dispersion. Nano Letters, 2021, 21, 91-98.	9.1	6
27	3D-Printed Bioinspired Cassieâ€“Baxter Wettability for Controllable Microdroplet Manipulation. ACS Applied Materials & Interfaces, 2021, 13, 1979-1987.	8.0	61
28	Intraband hot-electron photoluminescence of a silver nanowire-coupled gold film via high-order gap plasmons. Nanoscale, 2021, 13, 11204-11214.	5.6	1
29	Recent advances in focused ion beam nanofabrication for nanostructures and devices: fundamentals and applications. Nanoscale, 2021, 13, 1529-1565.	5.6	138
30	Tailoring polysulfide trapping and kinetics by engineering hollow carbon bubble nanoreactors for high-energy Li-S pouch cells. Nano Research, 2021, 14, 1355-1363.	10.4	38
31	Fabrication of single-nanometer metallic gaps via spontaneous nanoscale dewetting. Nanotechnology, 2021, 32, 205302.	2.6	6
32	Epitaxial Growth of 2D Bi₂O₂Se Nanoplates/1D CsPbBr₃ Nanowires Mixedâ€Dimensional Heterostructures with Enhanced Optoelectronic Properties. Advanced Functional Materials, 2021, 31, 2010263.	14.9	36
33	Sub-5 nm Lithography with Single GeV Heavy Ions Using Inorganic Resist. Nano Letters, 2021, 21, 2390-2396.	9.1	16
34	3Dâ€Printed Multiâ€Channel Metal Lattices Enabling Localized Electricâ€Field Redistribution for Dendriteâ€Free Aqueous Zn Ion Batteries. Advanced Energy Materials, 2021, 11, 2003927.	19.5	179
35	Enhancing the stability of polymer nanostructures via ultrathin oxide coatings for nano-optical device applications. Nanotechnology, 2021, 32, 295301.	2.6	2
36	Accurate inverse design of Fabryâ€“Perot-cavity-based color filters far beyond sRGB via a bidirectional artificial neural network. Photonics Research, 2021, 9, B236.	7.0	35

#	Article	IF	Citations
37	Integrating Flexible Ultralight 3D Ni Micromesh Current Collector with NiCo Bimetallic Hydroxide for Smart Hybrid Supercapacitors. Advanced Functional Materials, 2021, 31, 2100290.	14.9	95
38	Random Nanofractureâ€Enabled Physical Unclonable Function. Advanced Materials Technologies, 2021, 6, 2001073.	5.8	13
39	Color-Changeable Four-Dimensional Printing Enabled with Ultraviolet-Curable and Thermochromic Shape Memory Polymers. ACS Applied Materials & Interfaces, 2021, 13, 18120-18127.	8.0	39
40	Electrically Tunable Multifunctional Polarization-Dependent Metasurfaces Integrated with Liquid Crystals in the Visible Region. Nano Letters, 2021, 21, 4554-4562.	9.1	96
41	Highâ€Resolution Van der Waals Stencil Lithography for 2DÂTransistors. Small, 2021, 17, e2101209.	10.0	13
42	3D-Printed Complex Microstructures with a Self-Sacrificial Structure Enabled by Grayscale Polymerization and Ultrasonic Treatment. ACS Omega, 2021, 6, 18281-18288.	3.5	5
43	Sub-10 nm fabrication: methods and applications. International Journal of Extreme Manufacturing, 2021, 3, 032002.	12.7	111
44	Low voltage and robust InSe memristor using van der Waals electrodes integration. International Journal of Extreme Manufacturing, 2021, 3, 045103.	12.7	24
45	Pomegranate-inspired Zn2Ti3O8/TiO2@C nanospheres with pseudocapacitive effect for ultra-stable lithium-ion batteries. Chemical Engineering Journal, 2021, 418, 129227.	12.7	9
46	Nanoporous B₁₃C₂ towards Highly Efficient Electrochemical Nitrogen Fixation. Small, 2021, 17, e2102814.	10.0	44
47	Ultrathin and Ultralight Zn Micromeshâ€Induced Spatialâ€Selection Deposition for Flexible Highâ€Specificâ€Energy Znâ€Ion Batteries. Advanced Functional Materials, 2021, 31, 2106550.	14.9	104
48	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.	8.0	38
49	Engineering 3D Architecture Electrodes for High-Rate Aqueous Znâ€“Mn Microbatteries. ACS Applied Energy Materials, 2021, 4, 10414-10422.	5.1	12
50	Broadband Polarizationâ€Switchable Multiâ€Focal Noninterleaved Metalenses in the Visible. Laser and Photonics Reviews, 2021, 15, 2100198.	8.7	21
51	CsCu₂I₃ Nanoribbons on Various Substrates for UV Photodetectors. ACS Applied Nano Materials, 2021, 4, 9625-9634.	5.0	21
52	Plasmonic metal nanostructures with extremely small features: new effects, fabrication and applications. Nanoscale Advances, 2021, 3, 4349-4369.	4.6	20
53	Foveated glasses-free 3D display with ultrawide field of view via a large-scale 2D-metagrating complex. Light: Science and Applications, 2021, 10, 213.	16.6	49
54	Flexible thin-film acoustic wave devices with off-axis bending characteristics for multisensing applications. Microsystems and Nanoengineering, 2021, 7, 97.	7.0	25

#	Article	IF	Citations
55	Nanoantennas Inversely Designed to Couple Free Space and a Metalâ€“Insulatorâ€“Metal Waveguide. Nanomaterials, 2021, 11, 3219.	4.1	2
56	Dimension and process effects on the mechanical stability of ultra-small HSQ nanopillars. Journal of Nanoparticle Research, 2021, 23, 1.	1.9	2
57	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.	13.3	27
58	Poly (HBA-co-AMPS) based Hydrogel by PÎ¼SL 3D Printing for Robotic Sensor. , 2021, , .		1
59	HNU-EBL: A Software Toolkit for Electron Beam Lithography Simulation and Optimization. , 2021, , .		3
60	Enhancement of charge transport in porous carbon nanofiber networks via ZIF-8-enabled welding for flexible supercapacitors. Chemical Engineering Journal, 2020, 382, 122979.	12.7	76
61	Near-field coupling derived plasmon-induced transparency and Fano dip in symmetry-broken terahertz metamaterials by the â€œsketch and peelâ€•lithography process. Microelectronic Engineering, 2020, 220, 111155.	2.4	4
62	Adhesionâ€Engineeringâ€Enabled â€œSketch and Peelâ€•Lithography for Aluminum Plasmonic Nanogaps. Advanced Optical Materials, 2020, 8, 1901202.	7.3	7
63	Flexible 3D carbon cloth as a high-performing electrode for energy storage and conversion. Nanoscale, 2020, 12, 5261-5285.	5.6	81
64	Holographic Sampling Display Based on Metagratings. IScience, 2020, 23, 100773.	4.1	33
65	Trichromatic and Tripolarization-Channel Holography with Noninterleaved Dielectric Metasurface. Nano Letters, 2020, 20, 994-1002.	9.1	167
66	Metasurfaces Composed of Plasmonic Molecules: Hybridization Between Parallel and Orthogonal Surface Lattice Resonances. Advanced Optical Materials, 2020, 8, 1901109.	7.3	26
67	A Subâ€10 nm Vertical Organic/Inorganic Hybrid Transistor for Painâ€Perceptual and Sensitizationâ€Regulated Nociceptor Emulation. Advanced Materials, 2020, 32, e1906171.	21.0	135
68	General Synthesis of Nanoporous 2D Metal Compounds with 3D Bicontinous Structure. Advanced Materials, 2020, 32, e2004055.	21.0	20
69	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.	8.0	83
70	Ion-beam-etching based lift-off for reliable patterning of dense and inverse metallic nanostructures towards 10-nm scale. Microelectronic Engineering, 2020, 232, 111406.	2.4	7
71	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.	8.0	60
72	Fabrication of gold nanostructures using wet lift-off without adhesion promotion. Microelectronic Engineering, 2020, 233, 111420.	2.4	3

#	Article	IF	Citations
73	Tunable confinement of Cu-Zn bimetallic oxides in carbon nanofiber networks by thermal diffusion for lithium-ion battery. Applied Surface Science, 2020, 517, 146079.	6.1	20
74	Strongly coupled evenly divided disks: a new compact and tunable platform for plasmonic Fano resonances. Nanotechnology, 2020, 31, 325202.	2.6	2
75	Stability studies of ZnO and AlN thin film acoustic wave devices in acid and alkali harsh environments. RSC Advances, 2020, 10, 19178-19184.	3.6	17
76	Ultrahigh-Frequency Surface Acoustic Wave Sensors with Giant Mass-Loading Effects on Electrodes. ACS Sensors, 2020, 5, 1657-1664.	7.8	37
77	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.	9.4	39
78	Operando Identification of the Dynamic Behavior of Oxygen Vacancy-Rich Co₃O₄ for Oxygen Evolution Reaction. Journal of the American Chemical Society, 2020, 142, 12087-12095.	13.7	736
79	Reliable Patterning, Transfer Printing and Postâ€Assembly of Multiscale Adhesionâ€Free Metallic Structures for Nanogap Device Applications. Advanced Functional Materials, 2020, 30, 2002549.	14.9	23
80	Plasmonic Fano Resonance in Homotactic Aluminum Nanorod Trimer: the Key Role of Coupling Gap. Plasmonics, 2020, 15, 1281-1287.	3.4	1
81	The growth kinetics of CsPbBr₃ microwires on mica: an in situ investigation. Journal Physics D: Applied Physics, 2020, 53, 235105.	2.8	11
82	High-performance lateral MoS2-MoO3 heterojunction phototransistor enabled by in-situ chemical-oxidation. Science China Materials, 2020, 63, 1076-1084.	6.3	12
83	30 GHz surface acoustic wave transducers with extremely high mass sensitivity. Applied Physics Letters, 2020, 116, .	3.3	42
84	Integrated Metasurfaces with Microprints and Helicityâ€Multiplexed Holograms for Realâ€Time Optical Encryption. Advanced Optical Materials, 2020, 8, 1902020.	7.3	113
85	Growth of Large-Area Homogeneous Monolayer Transition-Metal Disulfides via a Molten Liquid Intermediate Process. ACS Applied Materials & Interfaces, 2020, 12, 13174-13181.	8.0	46
86	Homologous NiCoP/CoP hetero-nanosheets supported on N-doped carbon nanotubes for high-rate hybrid supercapacitors. Electrochimica Acta, 2020, 341, 135988.	5.2	88
87	Deterministic thermal micro-reflow of lithographic structures for Sub-10-nm metallic gaps fabrication. Microelectronic Engineering, 2020, 225, 111275.	2.4	2
88	Rapidly synthesizing interconnected carbon nanocage by microwave toward high-performance aluminum batteries. Chemical Engineering Journal, 2020, 389, 124407.	12.7	52
89	Topology Optimizationâ€Based Inverse Design of Plasmonic Nanodimer with Maximum Nearâ€Field Enhancement. Advanced Functional Materials, 2020, 30, 2000642.	14.9	38
90	Magnesium-Based Metasurfaces for Dual-Function Switching between Dynamic Holography and Dynamic Color Display. ACS Nano, 2020, 14, 7892-7898.	14.6	84

#	Article	IF	Citations
91	Long-aspect-ratio N-rich carbon nanotubes as anode material for sodium and lithium ion batteries. Chemical Engineering Journal, 2020, 395, 125054.	12.7	106
92	Double Fano resonances in hybrid disk/rod artificial plasmonic molecules based on dipole-quadrupole coupling. Nanoscale, 2020, 12, 9776-9785.	5.6	34
93	High-fidelity fabrication of plasmonic nanoholes array via ion-beam planarization for extraordinary transmission applications. Applied Surface Science, 2020, 526, 146690.	6.1	18
94	Emerging miniaturized energy storage devices for microsystem applications: from design to integration. International Journal of Extreme Manufacturing, 2020, 2, 042001.	12.7	96
95	All-dielectric metasurfaces for polarization manipulation: principles and emerging applications. Nanophotonics, 2020, 9, 3755-3780.	6.0	133
96	3D Printed Ultrastretchable, Hyper-Antifreezing Conductive Hydrogel for Sensitive Motion and Electrophysiological Signal Monitoring. Research, 2020, 2020, 1426078.	5.7	34
97	Ultrafast and Accurate Proximity Effect Correction of Large-Scale Electron Beam Lithography based on FMM and SaaS. , 2020, , .		4
98	Shape-Engineered Synthesis of Atomically Thin 1T-SnS₂ Catalyzed by Potassium Halides. ACS Nano, 2019, 13, 8265-8274.	14.6	51
99	Phosphorizationâ€Induced Voidâ€Containing Fe 3 O 4 Nanoparticles Enabling Low Lithiation/Delithiation Potential for Highâ€Performance Lithiumâ€Ion Batteries. ChemElectroChem, 2019, 6, 5060-5069.	3.4	10
100	Enhanced Directional Fluorescence Emission of Randomly Oriented Emitters via a Metalâ€“Dielectric Hybrid Nanoantenna. Journal of Physical Chemistry C, 2019, 123, 21150-21160.	3.1	27
101	Nearâ€Field Orbital Angular Momentum Generation and Detection Based on Spinâ€Orbit Interaction in Gold Metasurfaces. Advanced Theory and Simulations, 2019, 2, 1900133.	2.8	14
102	3D-Integrated metasurfaces for full-colour holography. Light: Science and Applications, 2019, 8, 86.	16.6	187
103	Direct electron-beam patterning of transferrable plasmonic gold nanoparticles using a HAuCl₄/PVP composite resist. Nanoscale, 2019, 11, 1245-1252.	5.6	24
104	Largeâ€Area, Optical Variableâ€Color Metasurfaces Based on Pixelated Plasmonic Nanogratings. Advanced Optical Materials, 2019, 7, 1801302.	7.3	26
105	Synthesis and Transport Properties of Degenerate P-Type Nb-Doped WS₂ Monolayers. Chemistry of Materials, 2019, 31, 3534-3541.	6.7	71
106	Kirigami-inspired multiscale patterning of metallic structures via predefined nanotrench templates. Microsystems and Nanoengineering, 2019, 5, 54.	7.0	16
107	Enhanced Second Harmonic Generation from Ferroelectric HfO₂-Based Hybrid Metasurfaces. ACS Nano, 2019, 13, 1213-1222.	14.6	29
108	Fabrication of Fabryâ€“Perot-cavity-based monolithic full-color filter arrays using a template-confined micro-reflow process. Journal of Micromechanics and Microengineering, 2019, 29, 025008.	2.6	11

#	Article	IF	Citations
109	Buckling of stomatopod-dactyl-club-inspired functional gradient plates: A numerical study. Composite Structures, 2019, 207, 801-815.	5.8	9
110	Stress-driven lithium dendrite growth mechanism and dendrite mitigation by electroplating on soft substrates. Nature Energy, 2018, 3, 227-235.	39.5	353
111	Inâ€Situ Synthesis of 3D Carbon Coated Zincâ€Cobalt Bimetallic Oxide Networks as Anode in Lithiumâ€Ion Batteries. ChemElectroChem, 2018, 5, 1708-1716.	3.4	28
112	Sensitive SERS detection at the single-particle level based on nanometer-separated mushroom-shaped plasmonic dimers. Nanotechnology, 2018, 29, 105301.	2.6	17
113	Osiers-sprout-like heteroatom-doped carbon nanofibers as ultrastable anodes for lithium/sodium ion storage. Nano Research, 2018, 11, 3791-3801.	10.4	16
114	MOF-derived N-doped carbon bubbles on carbon tube arrays for flexible high-rate supercapacitors. Energy Storage Materials, 2018, 10, 75-84.	18.0	150
115	Three-Dimensional-Stacked Gold Nanoparticles with Sub-5 nm Gaps on Vertically Aligned TiO₂ Nanosheets for Surface-Enhanced Raman Scattering Detection Down to 10 fM Scale. ACS Applied Materials & Interfaces, 2018, 10, 35607-35614.	8.0	32
116	Portable and Label-Free Detection of Blood Bilirubin with Graphene-Isolated-Au-Nanocrystals Paper Strip. Analytical Chemistry, 2018, 90, 13687-13694.	6.5	47
117	High performance 33.7 GHz surface acoustic wave nanotransducers based on AlScN/diamond/Si layered structures. Applied Physics Letters, 2018, 113, .	3.3	16
118	Recent progress in Zn-based anodes for advanced lithium ion batteries. Materials Chemistry Frontiers, 2018, 2, 1414-1435.	5.9	91
119	A strong saddle-shaped surface-to-volume ratio effect on the Young's modulus of silicon nanotubes. Applied Physics Letters, 2018, 112, .	3.3	2
120	Ultraâ€Stable Asymmetric Supercapacitors Constructed by Inâ€Situ Electroâ€Oxidation Activated Ni@CNTs Composites. ChemElectroChem, 2018, 5, 3213-3221.	3.4	4
121	Stepwise-Nanocavity-Assisted Transmissive Color Filter Array Microprints. Research, 2018, 2018, 8109054.	5.7	60
122	Microscopic Interference Fullâ€Color Printing Using Grayscaleâ€Patterned Fabryâ€“Perot Resonance Cavities. Advanced Optical Materials, 2017, 5, 1700029.	7.3	137
123	Porous ultrathin carbon nanobubbles formed carbon nanofiber webs for high-performance flexible supercapacitors. Journal of Materials Chemistry A, 2017, 5, 14801-14810.	10.3	89
124	Split-orientation-modulated plasmon coupling in disk/sector dimers. Journal of Applied Physics, 2017, 121, .	2.5	3
125	Uniform Gold-Nanoparticle-Decorated {001}-Faceted Anatase TiO₂ Nanosheets for Enhanced Solar-Light Photocatalytic Reactions. ACS Applied Materials & Interfaces, 2017, 9, 36907-36916.	8.0	59
126	Sensitive Surface-Enhanced Raman Scattering Detection Using On-Demand Postassembled Particle-on-Film Structure. ACS Applied Materials & Interfaces, 2017, 9, 31102-31110.	8.0	50

#	Article	IF	Citations
127	Dynamic Color Displays Using Stepwise Cavity Resonators. Nano Letters, 2017, 17, 5555-5560.	9.1	181
128	Eâ€™â€™ Raman Mode in Thermal Strain-Fractured CVD-MoS2. Crystals, 2016, 6, 151.	2.2	17
129	Reflective Color Filters and Monolithic Color Printing Based on Asymmetric Fabryâ€“Perot Cavities Using Nickel as a Broadband Absorber. Advanced Optical Materials, 2016, 4, 1196-1202.	7.3	150
130	Radially Aligned Porous Carbon Nanotube Arrays on Carbon Fibers: A Hierarchical 3D Carbon Nanostructure for Highâ€Performance Capacitive Energy Storage. Advanced Functional Materials, 2016, 26, 3012-3020.	14.9	132
131	Pronounced Fano Resonance in Single Gold Split Nanodisks with 15 nm Split Gaps for Intensive Second Harmonic Generation. ACS Nano, 2016, 10, 11105-11114.	14.6	126
132	â€œSketch and Peelâ€•Lithography for High-Resolution Multiscale Patterning. Nano Letters, 2016, 16, 3253-3259.	9.1	63
133	Metalâ€“organic-framework-derived ZnO@C@NiCo₂O₄ coreâ€“shell structures as an advanced electrode for high-performance supercapacitors. Journal of Materials Chemistry A, 2016, 4, 8233-8241.	10.3	94
134	Low-voltage-exposure-enabled hydrogen silsesquioxane bilayer-like process for three-dimensional nanofabrication. Nanotechnology, 2016, 27, 254002.	2.6	5
135	Vapor-phase preparation of single-crystalline thin gold microplates using HAuCl₄ as the precursor for plasmonic applications. RSC Advances, 2016, 6, 74937-74943.	3.6	6
136	Fabrication of single-crystal silicon nanotubes with sub-10 nm walls using cryogenic inductively coupled plasma reactive ion etching. Nanotechnology, 2016, 27, 365302.	2.6	19
137	Rapid Focused Ion Beam Milling Based Fabrication of Plasmonic Nanoparticles and Assemblies via â€œSketch and Peelâ€•Strategy. ACS Nano, 2016, 10, 11228-11236.	14.6	110
138	Hotâ€Electrons Mediated Efficient Visibleâ€Light Photocatalysis of Hierarchical Black Auâ€“TiO₂ Nanorod Arrays on Flexible Substrate. Advanced Materials Interfaces, 2016, 3, 1600588.	3.7	26
139	An anti-ultrasonic-stripping effect in confined micro/nanoscale cavities and its applications for efficient multiscale metallic patterning. Nanoscale, 2016, 8, 19541-19550.	5.6	7
140	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.	10.3	59
141	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.) Tj ETQq1 1 0.784314 rgBT /Overlock	14.9	2
142	Surface enhanced Raman scattering of gold nanoparticles supported on copper foil with graphene as a nanometer gap. Nanotechnology, 2016, 27, 075201.	2.6	16
143	Orientational Imaging of a Single Gold Nanorod at the Liquid/Solid Interface with Polarized Evanescent Field Illumination. Analytical Chemistry, 2016, 88, 1995-1999.	6.5	15
144	Diethylamine gas sensor using V₂O₅-decorated Î±-Fe₂O₃ nanorods as a sensing material. RSC Advances, 2016, 6, 6511-6515.	3.6	17

#	Article	IF	Citations
145	Plasmon Modes and Substrate-Induced Fano Dip in Gold Nano-Octahedra. Plasmonics, 2015, 10, 1013-1021.	3.4	6
146	Highâ€Performance and Ultraâ€Stable Lithiumâ€Ion Batteries Based on MOFâ€Derived ZnO@ZnO Quantum Dots/C Coreâ€“Shell Nanorod Arrays on a Carbon Cloth Anode. Advanced Materials, 2015, 27, 2400-2405.	21.0	614
147	Reliable fabrication of plasmonic nanostructures without an adhesion layer using dry lift-off. Nanotechnology, 2015, 26, 405301.	2.6	17
148	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.	10.3	119
149	Hierarchical CuCo₂O₄ nanowire@NiCo₂O₄ nanosheet core/shell arrays for high-performance supercapacitors. RSC Advances, 2015, 5, 69636-69641.	3.6	53
150	Vapor-phase preparation of gold nanocrystals by chloroauric acid pyrolysis. Journal of Colloid and Interface Science, 2015, 439, 21-27.	9.4	17
151	Facile synthesis of ZnWO₄nanowall arrays on Ni foam for high performance supercapacitors. RSC Advances, 2014, 4, 4212-4217.	3.6	46
152	Encapsulated Annealing: Enhancing the Plasmon Quality Factor in Lithographicallyâ€“Defined Nanostructures. Scientific Reports, 2014, 4, 5537.	3.3	96
153	Electron-Energy Loss Study of Nonlocal Effects in Connected Plasmonic Nanoprisms. ACS Nano, 2013, 7, 6287-6296.	14.6	62
154	Vibrational near-field mapping of planar and buried three-dimensional plasmonic nanostructures. Nature Communications, 2013, 4, 2237.	12.8	103
155	Resolution Limits of Electron-Beam Lithography toward the Atomic Scale. Nano Letters, 2013, 13, 1555-1558.	9.1	350
156	Free-standing sub-10 nm nanostencils for the definition of gaps in plasmonic antennas. Nanotechnology, 2013, 24, 185301.	2.6	30
157	Fowlerâ€“Nordheim Tunneling Induced Charge Transfer Plasmons between Nearly Touching Nanoparticles. ACS Nano, 2013, 7, 707-716.	14.6	114
158	Printing colour at the optical diffraction limit. Nature Nanotechnology, 2012, 7, 557-561.	31.5	800
159	Nanoplasmonics: Classical down to the Nanometer Scale. Nano Letters, 2012, 12, 1683-1689.	9.1	389
160	Neon Ion Beam Lithography (NIBL). Nano Letters, 2011, 11, 4343-4347.	9.1	69
161	Fabrication and characterization of bit-patterned media beyond 1.5 Tbit/in². Nanotechnology, 2011, 22, 385301.	2.6	55
162	Direct and Reliable Patterning of Plasmonic Nanostructures with Sub-10-nm Gaps. ACS Nano, 2011, 5, 7593-7600.	14.6	231

#	Article	IF	Citations
163	Controlled Collapse of Highâ€Aspectâ€Ratio Nanostructures. Small, 2011, 7, 2661-2668.	10.0	44
164	Miniaturization of grayscale images. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2011, 29, .	1.2	4
165	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.	1.2	8
166	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.	1.2	38
167	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.	1.2	86
168	Directed Self-Assembly at the 10 nm Scale by Using Capillary Force-Induced Nanocohesion. Nano Letters, 2010, 10, 3710-3716.	9.1	114
169	Limiting factors in sub-10â€‚nm scanning-electron-beam lithography. Journal of Vacuum Science & Technology B, 2009, 27, 2616.	1.3	55
170	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