

Huigao Duan

List of Publications by Year in descending order

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170
papers

10,797
citations

28190

55
h-index

34900

98
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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. <i>Energy and Environmental Materials</i> , 2023, 6, .	7.3	15
2	Record-Breaking Frequency of 44ÅGHz Based on the Higher Order Mode of Surface Acoustic Waves with LiNbO3/SiO2/SiC Heterostructures. <i>Engineering</i> , 2023, 20, 112-119.	3.2	12
3	3D printed ultra-fast photothermal responsive shape memory hydrogel for microrobots. <i>International Journal of Extreme Manufacturing</i> , 2022, 4, 015302.	6.3	34
4	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.	2.5	11
5	Asymmetric Nanofractures Determined the Nonreciprocal Peeling for Self-Aligned Heterostructure Nanogaps and Devices. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 1718-1726.	4.0	2
6	Underwater Unidirectional Cellular Fluidics. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 9891-9898.	4.0	14
7	Polarization-perceptual anisotropic two-dimensional ReS ₂ neuro-transistor with reconfigurable neuromorphic vision. <i>Materials Horizons</i> , 2022, 9, 1448-1459.	6.4	38
8	A Waveguide-Integrated Two-Dimensional Light-Emitting Diode Based on p-Type WSe ₂ /n-Type CdS Nanoribbon Heterojunction. <i>ACS Nano</i> , 2022, 16, 4371-4378.	7.3	17
9	Enhancement of the Faraday Effect and Magneto-optical Figure of Merit in All-Dielectric Metasurfaces. <i>ACS Photonics</i> , 2022, 9, 1240-1247.	3.2	18
10	Amorphizing noble metal chalcogenide catalysts at the single-layer limit towards hydrogen production. <i>Nature Catalysis</i> , 2022, 5, 212-221.	16.1	113
11	Observation of optical gyromagnetic properties in a magneto-plasmonic metamaterial. <i>Nature Communications</i> , 2022, 13, 1719.	5.8	22
12	3D Printable Silicone Rubber for Long-Lasting and Weather-Resistant Wearable Devices. <i>ACS Applied Polymer Materials</i> , 2022, 4, 2384-2392.	2.0	7
13	Nanoporous Intermetallic SnTe Enables Efficient Electrochemical CO ₂ Reduction into Formate via Promoting the Fracture of Metal-Oxygen Bonding. <i>Small</i> , 2022, 18, e2107968.	5.2	14
14	3D-Printed Bionic Solar Evaporator. <i>Solar Rrl</i> , 2022, 6, .	3.1	28
15	Resist nanokirigami for multipurpose patterning. <i>National Science Review</i> , 2022, 9, .	4.6	7
16	Freestanding 3D Metallic Micromesh for High-Performance Flexible Transparent Solid-State Zinc Batteries. <i>Small</i> , 2022, 18, e2201628.	5.2	21
17	Magnetic Doping Induced Strong Circularly Polarized Light Emission and Detection in 2D Layered Halide Perovskite. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	17
18	Manipulating Picosecond Photoresponse in van der Waals Heterostructure Photodetectors. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	6

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19	Inverse design of structural color: finding multiple solutions <i>via</i> conditional generative adversarial networks. <i>Nanophotonics</i> , 2022, 11, 3057-3069.	2.9	14
20	Circular Displacement Current Induced Anomalous Magneto-Optical Effects in High Index Mie Resonators. <i>Laser and Photonics Reviews</i> , 2022, 16, .	4.4	13
21	Metasurface-enabled on-chip multiplexed diffractive neural networks in the visible. <i>Light: Science and Applications</i> , 2022, 11, .	7.7	84
22	Three-Dimensional Open Water Microchannel Transpiration Mimetics. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 30435-30442.	4.0	13
23	Dielectric metalens for miniaturized imaging systems: progress and challenges. <i>Light: Science and Applications</i> , 2022, 11, .	7.7	108
24	Multiscale and hierarchical wrinkle enhanced graphene/Ecoflex sensors integrated with human-machine interfaces and cloud-platform. <i>Npj Flexible Electronics</i> , 2022, 6, .	5.1	20
25	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.	3.5	22
26	Enhancing Plasmonic Spectral Tunability with Anomalous Material Dispersion. <i>Nano Letters</i> , 2021, 21, 91-98.	4.5	6
27	3D-Printed Bioinspired Cassie-Baxter Wettability for Controllable Microdroplet Manipulation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 1979-1987.	4.0	61
28	Intraband hot-electron photoluminescence of a silver nanowire-coupled gold film <i>via</i> high-order gap plasmons. <i>Nanoscale</i> , 2021, 13, 11204-11214.	2.8	1
29	Recent advances in focused ion beam nanofabrication for nanostructures and devices: fundamentals and applications. <i>Nanoscale</i> , 2021, 13, 1529-1565.	2.8	138
30	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.	5.8	38
31	Fabrication of single-nanometer metallic gaps via spontaneous nanoscale dewetting. <i>Nanotechnology</i> , 2021, 32, 205302.	1.3	6
32	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.	7.8	36
33	Sub-5 nm Lithography with Single GeV Heavy Ions Using Inorganic Resist. <i>Nano Letters</i> , 2021, 21, 2390-2396.	4.5	16
34	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.	10.2	179
35	Enhancing the stability of polymer nanostructures via ultrathin oxide coatings for nano-optical device applications. <i>Nanotechnology</i> , 2021, 32, 295301.	1.3	2
36	Accurate inverse design of Fabry-Perot-cavity-based color filters far beyond sRGB via a bidirectional artificial neural network. <i>Photonics Research</i> , 2021, 9, B236.	3.4	35

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37	Integrating Flexible Ultralight 3D Ni Micromesh Current Collector with NiCo Bimetallic Hydroxide for Smart Hybrid Supercapacitors. <i>Advanced Functional Materials</i> , 2021, 31, 2100290.	7.8	95
38	Random Nanofracture-Enabled Physical Unclonable Function. <i>Advanced Materials Technologies</i> , 2021, 6, 2001073.	3.0	13
39	Color-Changeable Four-Dimensional Printing Enabled with Ultraviolet-Curable and Thermo-chromic Shape Memory Polymers. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 18120-18127.	4.0	39
40	Electrically Tunable Multifunctional Polarization-Dependent Metasurfaces Integrated with Liquid Crystals in the Visible Region. <i>Nano Letters</i> , 2021, 21, 4554-4562.	4.5	96
41	High-Resolution Van der Waals Stencil Lithography for 2D Transistors. <i>Small</i> , 2021, 17, e2101209.	5.2	13
42	3D-Printed Complex Microstructures with a Self-Sacrificial Structure Enabled by Grayscale Polymerization and Ultrasonic Treatment. <i>ACS Omega</i> , 2021, 6, 18281-18288.	1.6	5
43	Sub-10 nm fabrication: methods and applications. <i>International Journal of Extreme Manufacturing</i> , 2021, 3, 032002.	6.3	111
44	Low voltage and robust InSe memristor using van der Waals electrodes integration. <i>International Journal of Extreme Manufacturing</i> , 2021, 3, 045103.	6.3	24
45	Pomegranate-inspired Zn ₂ Ti ₃ O ₈ /TiO ₂ @C nanospheres with pseudocapacitive effect for ultra-stable lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2021, 418, 129227.	6.6	9
46	Nanoporous B ₁₃ C ₂ towards Highly Efficient Electrochemical Nitrogen Fixation. <i>Small</i> , 2021, 17, e2102814.	5.2	44
47	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.	7.8	104
48	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.	4.0	38
49	Engineering 3D Architecture Electrodes for High-Rate Aqueous Zn-Mn Microbatteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 10414-10422.	2.5	12
50	Broadband Polarization-Switchable Multi-Focal Noninterleaved Metalenses in the Visible. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100198.	4.4	21
51	CsCu ₂ ₁ ₃ Nanoribbons on Various Substrates for UV Photodetectors. <i>ACS Applied Nano Materials</i> , 2021, 4, 9625-9634.	2.4	21
52	Plasmonic metal nanostructures with extremely small features: new effects, fabrication and applications. <i>Nanoscale Advances</i> , 2021, 3, 4349-4369.	2.2	20
53	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.	7.7	49
54	Flexible thin-film acoustic wave devices with off-axis bending characteristics for multisensing applications. <i>Microsystems and Nanoengineering</i> , 2021, 7, 97.	3.4	25

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55	Nanoantennas Inversely Designed to Couple Free Space and a Metal-Insulator-Metal Waveguide. <i>Nanomaterials</i> , 2021, 11, 3219.	1.9	2
56	Dimension and process effects on the mechanical stability of ultra-small HSQ nanopillars. <i>Journal of Nanoparticle Research</i> , 2021, 23, 1.	0.8	2
57	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.	6.4	27
58	Poly (HBA-co-AMPS) based Hydrogel by μ SL 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. <i>Chemical Engineering Journal</i> , 2020, 382, 122979.	6.6	76
61	Near-field coupling derived plasmon-induced transparency and Fano dip in symmetry-broken terahertz metamaterials by the μ sketch and peel lithography process. <i>Microelectronic Engineering</i> , 2020, 220, 111155.	1.1	4
62	Adhesion-Engineering-Enabled μ Sketch and Peel Lithography for Aluminum Plasmonic Nanogaps. <i>Advanced Optical Materials</i> , 2020, 8, 1901202.	3.6	7
63	Flexible 3D carbon cloth as a high-performing electrode for energy storage and conversion. <i>Nanoscale</i> , 2020, 12, 5261-5285.	2.8	81
64	Holographic Sampling Display Based on Metagratings. <i>IScience</i> , 2020, 23, 100773.	1.9	33
65	Trichromatic and Tripolarization-Channel Holography with Noninterleaved Dielectric Metasurface. <i>Nano Letters</i> , 2020, 20, 994-1002.	4.5	167
66	Metasurfaces Composed of Plasmonic Molecules: Hybridization Between Parallel and Orthogonal Surface Lattice Resonances. <i>Advanced Optical Materials</i> , 2020, 8, 1901109.	3.6	26
67	A Sub-10 nm Vertical Organic/Inorganic Hybrid Transistor for Pain-Perceptual and Sensitization-Regulated Nociceptor Emulation. <i>Advanced Materials</i> , 2020, 32, e1906171.	11.1	135
68	General Synthesis of Nanoporous 2D Metal Compounds with 3D Bicontinuous Structure. <i>Advanced Materials</i> , 2020, 32, e2004055.	11.1	20
69	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.	4.0	83
70	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.	1.1	7
71	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.	4.0	60
72	Fabrication of gold nanostructures using wet lift-off without adhesion promotion. <i>Microelectronic Engineering</i> , 2020, 233, 111420.	1.1	3

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73	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.	3.1	20
74	Strongly coupled evenly divided disks: a new compact and tunable platform for plasmonic Fano resonances. <i>Nanotechnology</i> , 2020, 31, 325202.	1.3	2
75	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.	1.7	17
76	Ultrahigh-Frequency Surface Acoustic Wave Sensors with Giant Mass-Loading Effects on Electrodes. <i>ACS Sensors</i> , 2020, 5, 1657-1664.	4.0	37
77	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.	5.0	39
78	Operando Identification of the Dynamic Behavior of Oxygen Vacancy-Rich Co_3O_4 for Oxygen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2020, 142, 12087-12095.	6.6	736
79	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.	7.8	23
80	Plasmonic Fano Resonance in Homotactic Aluminum Nanorod Trimer: the Key Role of Coupling Gap. <i>Plasmonics</i> , 2020, 15, 1281-1287.	1.8	1
81	The growth kinetics of CsPbBr_3 microwires on mica: an <i>in situ</i> investigation. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 235105.	1.3	11
82	High-performance lateral MoS_2 - MoO_3 heterojunction phototransistor enabled by in-situ chemical-oxidation. <i>Science China Materials</i> , 2020, 63, 1076-1084.	3.5	12
83	30 GHz surface acoustic wave transducers with extremely high mass sensitivity. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	42
84	Integrated Metasurfaces with Microprints and Helicity-Multiplexed Holograms for Real-Time Optical Encryption. <i>Advanced Optical Materials</i> , 2020, 8, 1902020.	3.6	113
85	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.	4.0	46
86	Homologous NiCoP/CoP hetero-nanosheets supported on N-doped carbon nanotubes for high-rate hybrid supercapacitors. <i>Electrochimica Acta</i> , 2020, 341, 135988.	2.6	88
87	Deterministic thermal micro-reflow of lithographic structures for Sub-10-nm metallic gaps fabrication. <i>Microelectronic Engineering</i> , 2020, 225, 111275.	1.1	2
88	Rapidly synthesizing interconnected carbon nanocage by microwave toward high-performance aluminum batteries. <i>Chemical Engineering Journal</i> , 2020, 389, 124407.	6.6	52
89	Topology Optimization-Based Inverse Design of Plasmonic Nanodimer with Maximum Near-Field Enhancement. <i>Advanced Functional Materials</i> , 2020, 30, 2000642.	7.8	38
90	Magnesium-Based Metasurfaces for Dual-Function Switching between Dynamic Holography and Dynamic Color Display. <i>ACS Nano</i> , 2020, 14, 7892-7898.	7.3	84

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91	Long-aspect-ratio N-rich carbon nanotubes as anode material for sodium and lithium ion batteries. <i>Chemical Engineering Journal</i> , 2020, 395, 125054.	6.6	106
92	Double Fano resonances in hybrid disk/rod artificial plasmonic molecules based on dipole-quadrupole coupling. <i>Nanoscale</i> , 2020, 12, 9776-9785.	2.8	34
93	High-fidelity fabrication of plasmonic nanoholes array via ion-beam planarization for extraordinary transmission applications. <i>Applied Surface Science</i> , 2020, 526, 146690.	3.1	18
94	Emerging miniaturized energy storage devices for microsystem applications: from design to integration. <i>International Journal of Extreme Manufacturing</i> , 2020, 2, 042001.	6.3	96
95	All-dielectric metasurfaces for polarization manipulation: principles and emerging applications. <i>Nanophotonics</i> , 2020, 9, 3755-3780.	2.9	133
96	3D Printed Ultrastretchable, Hyper-Antifreezing Conductive Hydrogel for Sensitive Motion and Electrophysiological Signal Monitoring. <i>Research</i> , 2020, 2020, 1426078.	2.8	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-SnS ₂ Catalyzed by Potassium Halides. <i>ACS Nano</i> , 2019, 13, 8265-8274.	7.3	51
99	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.	1.7	10
100	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.	1.5	27
101	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.	1.3	14
102	3D-Integrated metasurfaces for full-colour holography. <i>Light: Science and Applications</i> , 2019, 8, 86.	7.7	187
103	Direct electron-beam patterning of transferrable plasmonic gold nanoparticles using a HAuCl ₄ /PVP composite resist. <i>Nanoscale</i> , 2019, 11, 1245-1252.	2.8	24
104	Large-Area, Optical Variable-Color Metasurfaces Based on Pixelated Plasmonic Nanogratings. <i>Advanced Optical Materials</i> , 2019, 7, 1801302.	3.6	26
105	Synthesis and Transport Properties of Degenerate P-Type Nb-Doped WS ₂ Monolayers. <i>Chemistry of Materials</i> , 2019, 31, 3534-3541.	3.2	71
106	Kirigami-inspired multiscale patterning of metallic structures via predefined nanotrench templates. <i>Microsystems and Nanoengineering</i> , 2019, 5, 54.	3.4	16
107	Enhanced Second Harmonic Generation from Ferroelectric HfO ₂ -Based Hybrid Metasurfaces. <i>ACS Nano</i> , 2019, 13, 1213-1222.	7.3	29
108	Fabrication of Fabry-Perot-cavity-based monolithic full-color filter arrays using a template-confined micro-reflow process. <i>Journal of Micromechanics and Microengineering</i> , 2019, 29, 025008.	1.5	11

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109	Buckling of stomatopod-dactyl-club-inspired functional gradient plates: A numerical study. <i>Composite Structures</i> , 2019, 207, 801-815.	3.1	9
110	Stress-driven lithium dendrite growth mechanism and dendrite mitigation by electroplating on soft substrates. <i>Nature Energy</i> , 2018, 3, 227-235.	19.8	353
111	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.	1.7	28
112	Sensitive SERS detection at the single-particle level based on nanometer-separated mushroom-shaped plasmonic dimers. <i>Nanotechnology</i> , 2018, 29, 105301.	1.3	17
113	Osiers-sprout-like heteroatom-doped carbon nanofibers as ultrastable anodes for lithium/sodium ion storage. <i>Nano Research</i> , 2018, 11, 3791-3801.	5.8	16
114	MOF-derived N-doped carbon bubbles on carbon tube arrays for flexible high-rate supercapacitors. <i>Energy Storage Materials</i> , 2018, 10, 75-84.	9.5	150
115	Three-Dimensional-Stacked Gold Nanoparticles with Sub-5 nm Gaps on Vertically Aligned TiO ₂ Nanosheets for Surface-Enhanced Raman Scattering Detection Down to 10 fM Scale. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 35607-35614.	4.0	32
116	Portable and Label-Free Detection of Blood Bilirubin with Graphene-Isolated-Au-Nanocrystals Paper Strip. <i>Analytical Chemistry</i> , 2018, 90, 13687-13694.	3.2	47
117	High performance 33.7 GHz surface acoustic wave nanotransducers based on AlScN/diamond/Si layered structures. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	16
118	Recent progress in Zn-based anodes for advanced lithium ion batteries. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1414-1435.	3.2	91
119	A strong saddle-shaped surface-to-volume ratio effect on the Young's modulus of silicon nanotubes. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	2
120	Ultra-Stable Asymmetric Supercapacitors Constructed by In-situ Electro-Oxidation Activated Ni@CNTs Composites. <i>ChemElectroChem</i> , 2018, 5, 3213-3221.	1.7	4
121	Stepwise-Nanocavity-Assisted Transmissive Color Filter Array Microprints. <i>Research</i> , 2018, 2018, 8109054.	2.8	60
122	Microscopic Interference Full-Color Printing Using Grayscale-Patterned Fabry-Perot Resonance Cavities. <i>Advanced Optical Materials</i> , 2017, 5, 1700029.	3.6	137
123	Porous ultrathin carbon nanobubbles formed carbon nanofiber webs for high-performance flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14801-14810.	5.2	89
124	Split-orientation-modulated plasmon coupling in disk/sector dimers. <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	3
125	Uniform Gold-Nanoparticle-Decorated {001}-Faceted Anatase TiO ₂ Nanosheets for Enhanced Solar-Light Photocatalytic Reactions. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36907-36916.	4.0	59
126	Sensitive Surface-Enhanced Raman Scattering Detection Using On-Demand Postassembled Particle-on-Film Structure. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31102-31110.	4.0	50

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127	Dynamic Color Displays Using Stepwise Cavity Resonators. Nano Letters, 2017, 17, 5555-5560.	4.5	181
128	Enhanced Raman Mode in Thermal Strain-Fractured CVD-MoS ₂ . Crystals, 2016, 6, 151.	1.0	17
129	Reflective Color Filters and Monolithic Color Printing Based on Asymmetric Fabry-Pérot Cavities Using Nickel as a Broadband Absorber. Advanced Optical Materials, 2016, 4, 1196-1202.	3.6	150
130	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.	7.8	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.	7.3	126
132	Sketch and Peel Lithography for High-Resolution Multiscale Patterning. Nano Letters, 2016, 16, 3253-3259.	4.5	63
133	Metal-organic-framework-derived ZnO@C@NiCo ₂ O ₄ core-shell structures as an advanced electrode for high-performance supercapacitors. Journal of Materials Chemistry A, 2016, 4, 8233-8241.	5.2	94
134	Low-voltage-exposure-enabled hydrogen silsesquioxane bilayer-like process for three-dimensional nanofabrication. Nanotechnology, 2016, 27, 254002.	1.3	5
135	Vapor-phase preparation of single-crystalline thin gold microplates using H ₂ AuCl ₄ as the precursor for plasmonic applications. RSC Advances, 2016, 6, 74937-74943.	1.7	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.	1.3	19
137	Rapid Focused Ion Beam Milling Based Fabrication of Plasmonic Nanoparticles and Assemblies via Sketch and Peel Strategy. ACS Nano, 2016, 10, 11228-11236.	7.3	110
138	Hot-Electrons Mediated Efficient Visible-Light Photocatalysis of Hierarchical Black Au-TiO ₂ Nanorod Arrays on Flexible Substrate. Advanced Materials Interfaces, 2016, 3, 1600588.	1.9	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.	2.8	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.	5.2	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 10		
142	Surface enhanced Raman scattering of gold nanoparticles supported on copper foil with graphene as a nanometer gap. Nanotechnology, 2016, 27, 075201.	1.3	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.	3.2	15
144	Diethylamine gas sensor using V ₂ O ₅ -decorated Fe ₂ O ₃ nanorods as a sensing material. RSC Advances, 2016, 6, 6511-6515.	1.7	17

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145	Plasmon Modes and Substrate-Induced Fano Dip in Gold Nano-Octahedra. <i>Plasmonics</i> , 2015, 10, 1013-1021.	1.8	6
146	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, 2400-2405.	11.1	614
147	Reliable fabrication of plasmonic nanostructures without an adhesion layer using dry lift-off. <i>Nanotechnology</i> , 2015, 26, 405301.	1.3	17
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