

Wenlong Cheng

List of Publications by Year in Descending Order

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Version: 2024-04-23

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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.

196
papers

11,345
citations

56
h-index

101
g-index

207
ext. papers

13,066
ext. citations

9.6
avg, IF

6.93
L-index

#	Paper	IF	Citations
196	A gold nanowire-integrated soft wearable system for dynamic continuous non-invasive cardiac monitoring.. <i>Biosensors and Bioelectronics</i> , 2022 , 205, 114072	11.8	2
195	Cell Sheet-like Soft Nanoreactor Arrays. <i>Advanced Materials</i> , 2021 , e2105630	24	0
194	Mechanically-gated electrochemical ionic channels with chemically modified vertically aligned gold nanowires. <i>IScience</i> , 2021 , 24, 103307	6.1	1
193	Soft Wearable Healthcare Materials and Devices. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2100577	10.1	16
192	Smart materials and devices for electronic textiles. <i>MRS Bulletin</i> , 2021 , 46, 488-490	3.2	1
191	Stretchable gold fiber-based wearable textile electrochemical biosensor for lactate monitoring in sweat. <i>Talanta</i> , 2021 , 222, 121484	6.2	42
190	Self-assembled Janus plasmene nanosheets as flexible 2D photocatalysts. <i>Materials Horizons</i> , 2021 , 8, 259-266	14.4	7
189	Orientation-Dependent Soft Plasmonics of Gold Nanobipyramid Plasmene Nanosheets. <i>Nano Letters</i> , 2021 , 21, 389-396	11.5	3
188	Soft gold nanowire sponge antenna for battery-free wireless pressure sensors. <i>Nanoscale</i> , 2021 , 13, 3957-3966	14.4	5
187	Seagrass-inspired design of soft photocatalytic sheets based on hydrogel-integrated free-standing 2D nanoassemblies of multifunctional nanohexagons. <i>Materials Horizons</i> , 2021 , 8, 2533-2540	14.4	5
186	Power generation for wearable systems. <i>Energy and Environmental Science</i> , 2021 , 14, 2114-2157	35.4	66
185	A Stretchable Gold Nanowire Sensor and Its Characterization Using Machine Learning for Motion Tracking. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	3
184	Nanowire-Based Soft Wearable Human-Machine Interfaces for Future Virtual and Augmented Reality Applications. <i>Advanced Functional Materials</i> , 2021 , 31, 2008347	15.6	25
183	On-demand bioenergy from a fingertip. <i>Trends in Chemistry</i> , 2021 , 3, 800-802	14.8	0
182	Active strain engineering of soft plasmene nanosheets by thermoresponsive hydrogels. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 12720-12726	7.1	2
181	Fine-Tuning Au@Pd Nanocrystals for Maximum Plasmon-Enhanced Catalysis. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2001686	4.6	6
180	Two-Dimensional Nanoassemblies from Plasmonic Matryoshka Nanoframes. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 27753-27762	3.8	2

179	Highly Selective Nanostructured Electrochemical Sensor Utilizing Densely Packed Ultrathin Gold Nanowires Film. <i>Electroanalysis</i> , 2020 , 32, 1850-1858	3	6
178	Enzyme-like electrocatalysis from 2D gold nanograss-nanocube assemblies. <i>Journal of Colloid and Interface Science</i> , 2020 , 575, 24-34	9.3	3
177	Electronic Skin Wearable Sensors for Detecting Lumbar-Pelvic Movements. <i>Sensors</i> , 2020 , 20,	3.8	11
176	Dynamically functioning and highly stretchable epidermal supercapacitor based on vertically aligned gold nanowire skins. <i>EcoMat</i> , 2020 , 2, e12022	9.4	10
175	Vertically Aligned Gold Nanowires as Stretchable and Wearable Epidermal Ion-Selective Electrode for Noninvasive Multiplexed Sweat Analysis. <i>Analytical Chemistry</i> , 2020 , 92, 4647-4655	7.8	66
174	A Soft Resistive Acoustic Sensor Based on Suspended Standing Nanowire Membranes with Point Crack Design. <i>Advanced Functional Materials</i> , 2020 , 30, 1910717	15.6	30
173	Hairy gold nanorods: gold nanowire growth on nanosubstrates [Invited]. <i>Optical Materials Express</i> , 2020 , 10, 342	2.6	1
172	Disruptive, Soft, Wearable Sensors. <i>Advanced Materials</i> , 2020 , 32, e1904664	24	138
171	Multiscale Soft-Hard Interface Design for Flexible Hybrid Electronics. <i>Advanced Materials</i> , 2020 , 32, e1902278	24	35
170	Stretchable gold fiber-based wearable electrochemical sensor toward pH monitoring. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 3655-3660	7.3	32
169	Intrinsically Stretchable Fuel Cell Based on Enokitake-Like Standing Gold Nanowires. <i>Advanced Energy Materials</i> , 2020 , 10, 1903512	21.8	13
168	Design of Stretchable Holey Gold Biosensing Electrode for Real-Time Cell Monitoring. <i>ACS Sensors</i> , 2020 , 5, 3165-3171	9.2	10
167	Self-powered gold nanowire tattoo triboelectric sensors for soft wearable human-machine interface. <i>Nano Energy</i> , 2020 , 77, 105295	17.1	40
166	Direct Imaging of Liquid-Nanoparticle Interfaces with Atom Probe Tomography. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 19389-19395	3.8	8
165	Plasmene nanosheets as optical skin strain sensors. <i>Nanoscale Horizons</i> , 2020 , 5, 1515-1523	10.8	10
164	Skin-Like Stretchable Fuel Cell Based on Gold-Nanowire-Impregnated Porous Polymer Scaffolds. <i>Small</i> , 2020 , 16, e2003269	11	9
163	Free-Standing 2D Nanoassemblies. <i>Advanced Functional Materials</i> , 2020 , 30, 1902301	15.6	29
162	Local Crack-Programmed Gold Nanowire Electronic Skin Tattoos for In-Plane Multisensor Integration. <i>Advanced Materials</i> , 2019 , 31, e1903789	24	94

161	Real-Time and In-Situ Monitoring of HO Release from Living Cells by a Stretchable Electrochemical Biosensor Based on Vertically Aligned Gold Nanowires. <i>Analytical Chemistry</i> , 2019 , 91, 13521-13527	7.8	39
160	A multifunctional biomimetic hybrid nanocarrier for the controlled delivery of chemotherapy drugs by near-infrared light. <i>New Journal of Chemistry</i> , 2019 , 43, 2752-2757	3.6	7
159	Softening gold for elastronics. <i>Chemical Society Reviews</i> , 2019 , 48, 1668-1711	58.5	96
158	Plasmene Metasurface Absorbers: Electromagnetic Hot Spots and Hot Carriers. <i>ACS Photonics</i> , 2019 , 6, 314-321	6.3	18
157	Soft and stretchable electrochemical biosensors. <i>Materials Today Nano</i> , 2019 , 7, 100041	9.7	27
156	Covalent-Cross-Linked Plasmene Nanosheets. <i>ACS Nano</i> , 2019 , 13, 6760-6769	16.7	14
155	High-adhesion vertically aligned gold nanowire stretchable electrodes via a thin-layer soft nailing strategy. <i>Nanoscale Horizons</i> , 2019 , 4, 1380-1387	10.8	4
154	A Janus gold nanowire electrode for stretchable micro-supercapacitors with distinct capacitances. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 14233-14238	13	15
153	2D Freestanding Janus Gold Nanocrystal Superlattices. <i>Advanced Materials</i> , 2019 , 31, e1900989	24	27
152	High performance acetone sensor based on ZnO nanorods modified by Au nanoparticles. <i>Journal of Alloys and Compounds</i> , 2019 , 797, 246-252	5.7	42
151	Highly Stretchable and Strain-Insensitive Fiber-Based Wearable Electrochemical Biosensor to Monitor Glucose in the Sweat. <i>Analytical Chemistry</i> , 2019 , 91, 6569-6576	7.8	121
150	Electronic Skins Based on Liquid Metals. <i>Proceedings of the IEEE</i> , 2019 , 107, 2168-2184	14.3	45
149	Liquid-Solid Interfacial Assemblies of Soft Materials for Functional Freestanding Layered Membrane-Based Devices toward Electrochemical Energy Systems. <i>Advanced Energy Materials</i> , 2019 , 9, 1804005	21.8	12
148	Multicompartmentalized vesosomes containing DOX loaded liposomes and 5FU loaded liposomes for synergistic tumor treatment. <i>New Journal of Chemistry</i> , 2019 , 43, 4895-4899	3.6	13
147	Cat-Tail-Like Mesostructured Silica Fibers Decorated with Gold Nanowires: Synthesis, Characterization, and Application as Stretchable Sensors. <i>ChemPlusChem</i> , 2019 , 84, 1031-1038	2.8	2
146	A General Approach to Free-Standing Nanoassemblies via Acoustic Levitation Self-Assembly. <i>ACS Nano</i> , 2019 , 13, 5243-5250	16.7	22
145	Effect of Organic Modification on Multiwalled Carbon Nanotube Dispersions in Highly Concentrated Emulsions. <i>ACS Omega</i> , 2019 , 4, 6647-6659	3.9	9
144	Bifunctional Fe ₃ O ₄ @AuNWs particle as wearable bending and strain sensor. <i>Inorganic Chemistry Communication</i> , 2019 , 104, 98-104	3.1	14

143	Ultrathin Fresnel lens based on plasmene nanosheets. <i>Materials Today</i> , 2019 , 23, 9-15	21.8	10
142	Self-assembly and characterization of 2D plasmene nanosheets. <i>Nature Protocols</i> , 2019 , 14, 2691-2706	18.8	28
141	Hierarchically Structured Vertical Gold Nanowire Array-Based Wearable Pressure Sensors for Wireless Health Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 29014-29021	9.5	86
140	Cat-Tail-Like Mesostructured Silica Fibers Decorated with Gold Nanowires: Synthesis, Characterization, and Application as Stretchable Sensors. <i>ChemPlusChem</i> , 2019 , 84, 1030	2.8	1
139	Stable copper nanowire-graphene oxide thin films for nonlinear photonics. <i>OSA Continuum</i> , 2019 , 2, 1455-4	5.4	2
138	Embedding Pinhole Vertical Gold Nanowire Electronic Skins for Braille Recognition. <i>Small</i> , 2019 , 15, e1804853	13	
137	Enokitake Mushroom-like Standing Gold Nanowires toward Wearable Noninvasive Bimodal Glucose and Strain Sensing. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 9724-9729	9.5	63
136	Site-specific Ag coating on concave Au nanoarrows by controlling the surfactant concentration. <i>Nanoscale Horizons</i> , 2019 , 4, 940-946	10.8	8
135	An Adaptive Soft Plasmonic Nanosheet Resonator. <i>Laser and Photonics Reviews</i> , 2019 , 13, 1800302	8.3	5
134	Machine learning based temperature prediction of poly(N-isopropylacrylamide)-capped plasmonic nanoparticle solutions. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 24808-24819	3.6	1
133	Functional Graphene Derivatives for Chemotherapy-Based Synergistic Tumor Therapy. <i>Nano</i> , 2019 , 14, 1930006	1.1	4
132	Patterning Vertically Grown Gold Nanowire Electrodes for Intrinsically Stretchable Organic Transistors. <i>Advanced Electronic Materials</i> , 2019 , 5, 1800509	6.4	32
131	A Moss-Inspired Electroless Gold-Coating Strategy Toward Stretchable Fiber Conductors by Dry Spinning. <i>Advanced Electronic Materials</i> , 2019 , 5, 1800462	6.4	37
130	A Wearable Second Skin-Like Multifunctional Supercapacitor with Vertical Gold Nanowires and Electrochromic Polyaniline. <i>Advanced Materials Technologies</i> , 2019 , 4, 1800473	6.8	62
129	Hierarchical drug release of pH-sensitive liposomes encapsulating aqueous two phase system. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018 , 127, 177-182	5.7	17
128	Two-dimensional gold trisoctahedron nanoparticle superlattice sheets: self-assembly, characterization and immunosensing applications. <i>Nanoscale</i> , 2018 , 10, 5065-5071	7.7	43
127	A Facile Ion-Doping Strategy To Regulate Tumor Microenvironments for Enhanced Multimodal Tumor Theranostics. <i>Journal of the American Chemical Society</i> , 2018 , 140, 106-109	16.4	178
126	Shape Transformation of Constituent Building Blocks within Self-Assembled Nanosheets and Nano-origami. <i>ACS Nano</i> , 2018 , 12, 1014-1022	16.7	15

125	Nanoparticle Superlattices: The Roles of Soft Ligands. <i>Advanced Science</i> , 2018 , 5, 1700179	13.6	122
124	A location- and sharpness-specific tactile electronic skin based on staircase-like nanowire patches. <i>Nanoscale Horizons</i> , 2018 , 3, 640-647	10.8	36
123	Recent progress in stretchable supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 15478-15494	13	141
122	Codelivery of doxorubicin and sodium tanshinone IIA sulfonate using multicompartimentalized vesosomes to enhance synergism and prevent doxorubicin-induced cardiomyocyte apoptosis. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 5243-5247	7.3	8
121	Unconventional Janus Properties of Enokitake-like Gold Nanowire Films. <i>ACS Nano</i> , 2018 , 12, 8717-8722	16.7	43
120	2D Binary Plasmonic Nanoassemblies with Semiconductor n/p-Doping-Like Properties. <i>Advanced Materials</i> , 2018 , 30, e1801118	24	23
119	Self-assembled gold nanorime mesh conductors for invisible stretchable supercapacitors. <i>Nanoscale</i> , 2018 , 10, 15948-15955	7.7	30
118	Lipid bilayer modified gold nanorod@mesoporous silica nanoparticles for controlled drug delivery triggered by near-infrared light. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 8078-8084	7.3	19
117	Highly Stretchable Fiber-Shaped Supercapacitors Based on Ultrathin Gold Nanowires with Double-Helix Winding Design. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 42612-42620	9.5	30
116	Multiplexed detection of cancer biomarkers using a microfluidic platform integrating single bead trapping and acoustic mixing techniques. <i>Nanoscale</i> , 2018 , 10, 20196-20206	7.7	34
115	Effect of Incorporation of Multiwalled Carbon Nanotubes on the Microstructure and Flow Behavior of Highly Concentrated Emulsions. <i>ACS Omega</i> , 2018 , 3, 13584-13597	3.9	4
114	Vertical Gold Nanowires Stretchable Electrochemical Electrodes. <i>Analytical Chemistry</i> , 2018 , 90, 13498-13505	13.5	43
113	Standing Enokitake-like Nanowire Films for Highly Stretchable Elastronics. <i>ACS Nano</i> , 2018 , 12, 9742-9748	16.7	93
112	The Virtual-Spine Platform-Acquiring, visualizing, and analyzing individual sitting behavior. <i>PLoS ONE</i> , 2018 , 13, e0195670	3.7	2
111	Fractal Gold Nanoframework for Highly Stretchable Transparent Strain-Insensitive Conductors. <i>Nano Letters</i> , 2018 , 18, 3593-3599	11.5	39
110	Graphene-Enhanced 3D Chemical Mapping of Biological Specimens at Near-Atomic Resolution. <i>Advanced Functional Materials</i> , 2018 , 28, 1801439	15.6	10
109	Systematic investigation of the SERS efficiency and SERS hotspots in gas-phase deposited Ag nanoparticle assemblies. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 5091-5101	3.6	10
108	Development of microstructure and evolution of rheological characteristics of a highly concentrated emulsion during emulsification. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 532, 342-350	5.1	11

107	Percolating Network of Ultrathin Gold Nanowires and Silver Nanowires toward Invisible Wearable Sensors for Detecting Emotional Expression and Apexcardiogram. <i>Advanced Functional Materials</i> , 2017 , 27, 1700845	15.6	190
106	Bifunctional plasmonic-magnetic particles for an enhanced microfluidic SERS immunoassay. <i>Nanoscale</i> , 2017 , 9, 7822-7829	7.7	39
105	Enhanced Thermal Conductivity of Copper Nanofluids: The Effect of Filler Geometry. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 18925-18935	9.5	51
104	Recent advances in the rational design of electrocatalysts towards the oxygen reduction reaction. <i>Chinese Journal of Catalysis</i> , 2017 , 38, 951-969	11.3	39
103	Pulsed-voltage atom probe tomography of low conductivity and insulator materials by application of ultrathin metallic coating on nanoscale specimen geometry. <i>Ultramicroscopy</i> , 2017 , 181, 150-159	3.1	7
102	Resistive electronic skin. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 5845-5866	7.1	122
101	One-Dimensional Nanomaterials for Soft Electronics. <i>Advanced Electronic Materials</i> , 2017 , 3, 1600314	6.4	218
100	Poly(N-isopropylacrylamide) capped plasmonic nanoparticles as resonance intensity-based temperature sensors with linear correlation. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 10926-10932	7.1	16
99	Humidity-Responsive Single-Nanoparticle-Layer Plasmonic Films. <i>Advanced Materials</i> , 2017 , 29, 1606796	24	21
98	Copper Nanowire-Filled Soft Elastomer Composites for Applications as Thermal Interface Materials. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700387	4.6	44
97	Toward Soft Skin-Like Wearable and Implantable Energy Devices. <i>Advanced Energy Materials</i> , 2017 , 7, 1700648	21.8	140
96	Free-standing nanoparticle superlattice sheets: From design to applications. <i>Europhysics Letters</i> , 2017 , 119, 48004	1.6	11
95	Cavity QED analysis of an exciton-plasmon hybrid molecule via the generalized nonlocal optical response method. <i>Physical Review B</i> , 2017 , 95,	3.3	25
94	Black Gold: Broadband, High Absorption of Visible Light for Photochemical Systems. <i>Advanced Functional Materials</i> , 2017 , 27, 1604080	15.6	54
93	Self-Assembled Plasmonic Pyramids from Anisotropic Nanoparticles for High-Efficient SERS. <i>Journal of Analysis and Testing</i> , 2017 , 1, 335-343	3.2	5
92	Fabrication, Properties and Applications of Plasmene Nanosheet. <i>International Journal of Behavioral and Consultation Therapy</i> , 2017 , 109-136	0.6	1
91	Skin inspired fractal strain sensors using a copper nanowire and graphite microflake hybrid conductive network. <i>Nanoscale</i> , 2016 , 8, 16596-16605	7.7	51
90	Soft piezoresistive pressure sensing matrix from copper nanowires composite aerogel. <i>Science Bulletin</i> , 2016 , 61, 1624-1630	10.6	26

89	Bioreducible PEI-functionalized glycol chitosan: A novel gene vector with reduced cytotoxicity and improved transfection efficiency. <i>Carbohydrate Polymers</i> , 2016 , 153, 160-168	10.3	40
88	Fabrication of Highly Transparent and Flexible NanoMesh Electrode via Self-assembly of Ultrathin Gold Nanowires. <i>Advanced Electronic Materials</i> , 2016 , 2, 1600121	6.4	86
87	Volume-invariant ionic liquid microbands as highly durable wearable biomedical sensors. <i>Materials Horizons</i> , 2016 , 3, 208-213	14.4	96
86	Tumor cell-specific photothermal killing by SELEX-derived DNA aptamer-targeted gold nanorods. <i>Nanoscale</i> , 2016 , 8, 187-96	7.7	30
85	Liquid-Wetting-Solid Strategy To Fabricate Stretchable Sensors for Human-Motion Detection. <i>ACS Sensors</i> , 2016 , 1, 303-311	9.2	52
84	Matryoshka-caged gold nanorods: Synthesis, plasmonic properties, and catalytic activity. <i>Nano Research</i> , 2016 , 9, 415-423	10	30
83	Ultra-sensitive photon sensor based on self-assembled nanoparticle plasmonic membrane resonator 2016 ,		2
82	Two-Dimensional Bipyrmaid Plasmonic Nanoparticle Liquid Crystalline Superstructure with Four Distinct Orientational Packing Orders. <i>ACS Nano</i> , 2016 , 10, 967-76	16.7	83
81	Self-assembled Ultrathin Gold Nanowires as Highly Transparent, Conductive and Stretchable Supercapacitor. <i>Electroanalysis</i> , 2016 , 28, 1298-1304	3	66
80	Stretchable-Fiber-Confined Wetting Conductive Liquids as Wearable Human Health Monitors. <i>Advanced Functional Materials</i> , 2016 , 26, 4511-4517	15.6	67
79	A pH-responsive asymmetric lipid vesicle as drug carrier. <i>Journal of Microencapsulation</i> , 2016 , 33, 663-668	9.4	14
78	Dual effect of F-actin targeted carrier combined with antimetabolic drug on aggressive colorectal cancer cytoskeleton: Allying dissimilar cell cytoskeleton disrupting mechanisms. <i>International Journal of Pharmaceutics</i> , 2016 , 513, 464-472	6.5	9
77	Plasmene origami. <i>Materials Today</i> , 2016 , 19, 363-364	21.8	11
76	Optically resonant magneto-electric cubic nanoantennas for ultra-directional light scattering. <i>Journal of Applied Physics</i> , 2015 , 117, 083101	2.5	72
75	Self-Luminous Fiber-Reinforced Polymer Composites for Structural Applications. <i>Journal of Materials in Civil Engineering</i> , 2015 , 27, 04014120	3	3
74	Enhanced enzymatic degradation resistance of plasmid DNA in ionic liquids. <i>RSC Advances</i> , 2015 , 5, 43839-43844	9.7	44
73	Probing Soft Corona Structures of DNA-Capped Nanoparticles by Small Angle Neutron Scattering. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 18773-18778	3.8	10
72	Copper Nanowires as Conductive Ink for Low-Cost Draw-On Electronics. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 16760-6	9.5	83

71	Inhibited fragmentation of mAbs in buffered ionic liquids. <i>Chemical Communications</i> , 2015 , 51, 8089-92	5.8	14
70	Self-Assembled Nanocube-Based Plasmene Nanosheets as Soft Surface-Enhanced Raman Scattering Substrates toward Direct Quantitative Drug Identification on Surfaces. <i>Analytical Chemistry</i> , 2015 , 87, 5263-9	7.8	73
69	Extensional viscosity of copper nanowire suspensions in an aqueous polymer solution. <i>Soft Matter</i> , 2015 , 11, 8076-82	3.6	10
68	Free-Standing Bilayered Nanoparticle Superlattice Nanosheets with Asymmetric Ionic Transport Behaviors. <i>ACS Nano</i> , 2015 , 9, 11218-24	16.7	40
67	Tattoo-like Polyaniline Microparticle-Doped Gold Nanowire Patches as Highly Durable Wearable Sensors. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19700-8	9.5	224
66	Key parameters governing metallic nanoparticle electrocatalysis. <i>Nanoscale</i> , 2015 , 7, 16151-64	7.7	39
65	1D copper nanostructures: progress, challenges and opportunities. <i>Small</i> , 2015 , 11, 1232-52	11	147
64	Mimosa-inspired design of a flexible pressure sensor with touch sensitivity. <i>Small</i> , 2015 , 11, 1886-91	11	240
63	SERS: Ultrathin Plasmene Nanosheets as Soft and Surface-Attachable SERS Substrates with High Signal Uniformity (Advanced Optical Materials 7/2015). <i>Advanced Optical Materials</i> , 2015 , 3, 918-918	8.1	3
62	Dual-Coded Plasmene Nanosheets as Next-Generation Anticounterfeit Security Labels. <i>Advanced Optical Materials</i> , 2015 , 3, 1710-1717	8.1	64
61	Ultrathin Plasmene Nanosheets as Soft and Surface-Attachable SERS Substrates with High Signal Uniformity. <i>Advanced Optical Materials</i> , 2015 , 3, 919-924	8.1	57
60	Highly Stretchy Black Gold E-Skin Nanopatches as Highly Sensitive Wearable Biomedical Sensors. <i>Advanced Electronic Materials</i> , 2015 , 1, 1400063	6.4	331
59	Substrate-Mediated Broadband Tunability in Plasmonic Resonances of Metal Nanoantennas on Finite High-Permittivity Dielectric Substrate. <i>Plasmonics</i> , 2015 , 10, 1663-1673	2.4	13
58	Multilayered core-satellite nanoassemblies with fine-tunable broadband plasmon resonances. <i>Nanoscale</i> , 2015 , 7, 3445-52	7.7	38
57	Plasmonic core-shell nanoparticles for SERS detection of the pesticide thiram: size- and shape-dependent Raman enhancement. <i>Nanoscale</i> , 2015 , 7, 2862-8	7.7	122
56	Tunable Broadband Optical Responses of Substrate-Supported Metal/Dielectric/Metal Nanospheres. <i>Plasmonics</i> , 2014 , 9, 659-672	2.4	26
55	DNA based strategy to nanoparticle superlattices. <i>Methods</i> , 2014 , 67, 215-26	4.6	10
54	A wearable and highly sensitive pressure sensor with ultrathin gold nanowires. <i>Nature Communications</i> , 2014 , 5, 3132	17.4	1392

- 53 Biological stability and activity of siRNA in ionic liquids. *Chemical Communications*, **2014**, 50, 13457-60 5.8 26
- 52 Plasmonic caged gold nanorods for near-infrared light controlled drug delivery. *Nanoscale*, **2014**, 6, 14388-93 4.5 45
- 51 Giant plasmene nanosheets, nanoribbons, and origami. *ACS Nano*, **2014**, 8, 11086-93 16.7 112
- 50 Manufacturable conducting rubber ambers and stretchable conductors from copper nanowire aerogel monoliths. *ACS Nano*, **2014**, 8, 5707-14 16.7 199
- 49 Transparent gold nano-membranes for the enhanced light trapping of the indium tin oxide films. *Optical Materials Express*, **2014**, 4, 321 2.6 6
- 48 Large-Scale Self-Assembly and Stretch-Induced Plasmonic Properties of Core-Shell Metal Nanoparticle Superlattice Sheets. *Journal of Physical Chemistry C*, **2014**, 118, 26816-26824 3.8 37
- 47 Optimized gold nanoshell ensembles for biomedical applications. *Nanoscale Research Letters*, **2013**, 8, 142 5 35
- 46 Lightweight, flexible, nanorod electrode with high electrocatalytic activity. *Electrochemistry Communications*, **2013**, 27, 120-123 5.1 9
- 45 Ultralow-density copper nanowire aerogel monoliths with tunable mechanical and electrical properties. *Journal of Materials Chemistry A*, **2013**, 1, 6723 13 111
- 44 Single-crystal caged gold nanorods with tunable broadband plasmon resonances. *Chemical Communications*, **2013**, 49, 9630-2 5.8 36
- 43 Nanoparticle-modified electrode with size- and shape-dependent electrocatalytic activities. *Langmuir*, **2013**, 29, 3125-32 4 86
- 42 Free-standing 1D assemblies of plasmonic nanoparticles. *Advanced Materials*, **2013**, 25, 3968-72 24 38
- 41 Mechanically strong, optically transparent, giant metal superlattice nanomembranes from ultrathin gold nanowires. *Advanced Materials*, **2013**, 25, 80-5 24 118
- 40 Effect of number density on optimal design of gold nanoshells for plasmonic photothermal therapy. *Biomedical Optics Express*, **2013**, 4, 15-31 3.5 39
- 39 Unveiling ultrasharp scattering-switching signatures of layered gold dielectric-gold nanospheres. *Journal of the Optical Society of America B: Optical Physics*, **2013**, 30, 2066 1.7 22
- 38 Fine-tuning longitudinal plasmon resonances of nanorods by thermal reshaping in aqueous media. *Nanotechnology*, **2012**, 23, 105602 3.4 46
- 37 Free-standing plasmonic-nanorod superlattice sheets. *ACS Nano*, **2012**, 6, 925-34 16.7 111
- 36 DNA-based plasmonic nanoarchitectures: from structural design to emerging applications. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2012**, 4, 587-604 9.2 23

35	Metallic Nanoparticles as Advanced Electrocatalysts. <i>Science of Advanced Materials</i> , 2012 , 4, 784-797	2.3	16
34	Building plasmonic nanostructures with DNA. <i>Nature Nanotechnology</i> , 2011 , 6, 268-76	28.7	673
33	Ultraflexible plasmonic nanocomposite aerogel. <i>RSC Advances</i> , 2011 , 1, 1265	3.7	23
32	Adaptive DNA-based materials for switching, sensing, and logic devices. <i>Journal of Materials Chemistry</i> , 2011 , 21, 6113		26
31	Free-Standing Polymer Nanoparticle Superlattice Sheets Self-Assembled at the Air/Liquid Interface. <i>Crystal Growth and Design</i> , 2011 , 11, 4742-4746	3.5	48
30	Crystalline Gibbs monolayers of DNA-capped nanoparticles at the air-liquid interface. <i>ACS Nano</i> , 2011 , 5, 7978-85	16.7	49
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