

Wenlong Cheng

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3518904/wenlong-cheng-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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 wearable and highly sensitive pressure sensor with ultrathin gold nanowires. <i>Nature Communications</i> , 2014 , 5, 3132	17.4	1392
195	Building plasmonic nanostructures with DNA. <i>Nature Nanotechnology</i> , 2011 , 6, 268-76	28.7	673
194	Free-standing nanoparticle superlattice sheets controlled by DNA. <i>Nature Materials</i> , 2009 , 8, 519-25	27	344
193	Highly Stretchy Black Gold E-Skin Nanopatches as Highly Sensitive Wearable Biomedical Sensors. <i>Advanced Electronic Materials</i> , 2015 , 1, 1400063	6.4	331
192	Mimosa-inspired design of a flexible pressure sensor with touch sensitivity. <i>Small</i> , 2015 , 11, 1886-91	11	240
191	Tattoolike Polyaniline Microparticle-Doped Gold Nanowire Patches as Highly Durable Wearable Sensors. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19700-8	9.5	224
190	One-Dimensional Nanomaterials for Soft Electronics. <i>Advanced Electronic Materials</i> , 2017 , 3, 1600314	6.4	218
189	Manufacturable conducting rubber ambers and stretchable conductors from copper nanowire aerogel monoliths. <i>ACS Nano</i> , 2014 , 8, 5707-14	16.7	199
188	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
187	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
186	Nanopatterning self-assembled nanoparticle superlattices by moulding microdroplets. <i>Nature Nanotechnology</i> , 2008 , 3, 682-90	28.7	170
185	Synthesis and Self-Assembly of Cetyltrimethylammonium Bromide-Capped Gold Nanoparticles. <i>Langmuir</i> , 2003 , 19, 9434-9439	4	154
184	1D copper nanostructures: progress, challenges and opportunities. <i>Small</i> , 2015 , 11, 1232-52	11	147
183	Multifunctional nanoarchitectures from DNA-based ABC monomers. <i>Nature Nanotechnology</i> , 2009 , 4, 430-6	28.7	144
182	Recent progress in stretchable supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 15478-15494	13	141
181	Toward Soft Skin-Like Wearable and Implantable Energy Devices. <i>Advanced Energy Materials</i> , 2017 , 7, 1700648	21.8	140
180	Disruptive, Soft, Wearable Sensors. <i>Advanced Materials</i> , 2020 , 32, e1904664	24	138

179	Fabrication, characterization, and application in SERS of self-assembled polyelectrolyte-gold nanorod multilayered films. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 19385-9	3.4	134
178	Freestanding ultrathin nano-membranes via self-assembly. <i>Nano Today</i> , 2009 , 4, 482-493	17.9	132
177	Iodine-induced gold-nanoparticle fusion/fragmentation/aggregation and iodine-linked nanostructured assemblies on a glass substrate. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 449-52	16.4	127
176	Resistive electronic skin. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 5845-5866	7.1	122
175	Nanoparticle Superlattices: The Roles of Soft Ligands. <i>Advanced Science</i> , 2018 , 5, 1700179	13.6	122
174	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
173	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
172	Mechanically strong, optically transparent, giant metal superlattice nanomembranes from ultrathin gold nanowires. <i>Advanced Materials</i> , 2013 , 25, 80-5	24	118
171	Giant plasmene nanosheets, nanoribbons, and origami. <i>ACS Nano</i> , 2014 , 8, 11086-93	16.7	112
170	Ultralow-density copper nanowire aerogel monoliths with tunable mechanical and electrical properties. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 6723	13	111
169	Free-standing plasmonic-nanorod superlattice sheets. <i>ACS Nano</i> , 2012 , 6, 925-34	16.7	111
168	Colloid chemical approach to nanoelectrode ensembles with highly controllable active area fraction. <i>Analytical Chemistry</i> , 2002 , 74, 3599-604	7.8	105
167	Size-Dependent Phase Transfer of Gold Nanoparticles from Water into Toluene by Tetraoctylammonium Cations: A Wholly Electrostatic Interaction. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 24-26	3.4	104
166	Gold Nanoparticles as Fine Tuners of Electrochemical Properties of the Electrode/Solution Interface. <i>Langmuir</i> , 2002 , 18, 9947-9952	4	98
165	Softening gold for elastronics. <i>Chemical Society Reviews</i> , 2019 , 48, 1668-1711	58.5	96
164	Volume-invariant ionic liquid microbands as highly durable wearable biomedical sensors. <i>Materials Horizons</i> , 2016 , 3, 208-213	14.4	96
163	Local Crack-Programmed Gold Nanowire Electronic Skin Tattoos for In-Plane Multisensor Integration. <i>Advanced Materials</i> , 2019 , 31, e1903789	24	94
162	Standing Enokitake-like Nanowire Films for Highly Stretchable Elastronics. <i>ACS Nano</i> , 2018 , 12, 9742-9746	46.7	93

161	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
160	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
159	Nanoparticle-modified electrode with size- and shape-dependent electrocatalytic activities. <i>Langmuir</i> , 2013 , 29, 3125-32	4	86
158	Copper Nanowires as Conductive Ink for Low-Cost Draw-On Electronics. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 16760-6	9.5	83
157	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
156	Direct electron transfer between hemoglobin and a glassy carbon electrode facilitated by lipid-protected gold nanoparticles. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2002 , 1556, 273-7	4.6	81
155	Well-ordered end-to-end linkage of gold nanorods. <i>Nanotechnology</i> , 2005 , 16, 2164-9	3.4	77
154	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
153	Tree-like alumina nanopores generated in a non-steady-state anodization. <i>Journal of Materials Chemistry</i> , 2007 , 17, 3493		73
152	Optically resonant magneto-electric cubic nanoantennas for ultra-directional light scattering. <i>Journal of Applied Physics</i> , 2015 , 117, 083101	2.5	72
151	Stretchable-Fiber-Confined Wetting Conductive Liquids as Wearable Human Health Monitors. <i>Advanced Functional Materials</i> , 2016 , 26, 4511-4517	15.6	67
150	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
149	Self-assembled Ultrathin Gold Nanowires as Highly Transparent, Conductive and Stretchable Supercapacitor. <i>Electroanalysis</i> , 2016 , 28, 1298-1304	3	66
148	Power generation for wearable systems. <i>Energy and Environmental Science</i> , 2021 , 14, 2114-2157	35.4	66
147	Dual-Coded Plasmene Nanosheets as Next-Generation Anticounterfeit Security Labels. <i>Advanced Optical Materials</i> , 2015 , 3, 1710-1717	8.1	64
146	Two- and Three-Dimensional Au Nanoparticle/CoTMPyP Self-Assembled Nanostructured Materials: Film Structure, Tunable Electrocatalytic Activity, and Plasmonic Properties. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 19146-19154	3.4	64
145	Probing in real time the soft crystallization of DNA-capped nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 380-4	16.4	63
144	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

143	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
142	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
141	Studies of electrochemical quantized capacitance charging of surface ensembles of silver nanoparticles. <i>Electrochemistry Communications</i> , 2002 , 4, 412-416	5.1	56
140	Black Gold: Broadband, High Absorption of Visible Light for Photochemical Systems. <i>Advanced Functional Materials</i> , 2017 , 27, 1604080	15.6	54
139	Liquid-Wetting-Solid Strategy To Fabricate Stretchable Sensors for Human-Motion Detection. <i>ACS Sensors</i> , 2016 , 1, 303-311	9.2	52
138	Enhanced Thermal Conductivity of Copper Nanofluids: The Effect of Filler Geometry. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 18925-18935	9.5	51
137	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
136	Crystalline Gibbs monolayers of DNA-capped nanoparticles at the air-liquid interface. <i>ACS Nano</i> , 2011 , 5, 7978-85	16.7	49
135	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
134	Fine-tuning longitudinal plasmon resonances of nanorods by thermal reshaping in aqueous media. <i>Nanotechnology</i> , 2012 , 23, 105602	3.4	46
133	Electronic Skins Based on Liquid Metals. <i>Proceedings of the IEEE</i> , 2019 , 107, 2168-2184	14.3	45
132	Plasmonic caged gold nanorods for near-infrared light controlled drug delivery. <i>Nanoscale</i> , 2014 , 6, 14388-14393	16.7	45
131	Copper Nanowire-Filled Soft Elastomer Composites for Applications as Thermal Interface Materials. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700387	4.6	44
130	Two-dimensional gold trisoctahedron nanoparticle superlattice sheets: self-assembly, characterization and immunosensing applications. <i>Nanoscale</i> , 2018 , 10, 5065-5071	7.7	43
129	Unconventional Janus Properties of Enokitake-like Gold Nanowire Films. <i>ACS Nano</i> , 2018 , 12, 8717-8722	16.7	43
128	Vertical Gold Nanowires Stretchable Electrochemical Electrodes. <i>Analytical Chemistry</i> , 2018 , 90, 13498-13505	13.5	43
127	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
126	Stretchable gold fiber-based wearable textile electrochemical biosensor for lactate monitoring in sweat. <i>Talanta</i> , 2021 , 222, 121484	6.2	42

125	Free-Standing Bilayered Nanoparticle Superlattice Nanosheets with Asymmetric Ionic Transport Behaviors. <i>ACS Nano</i> , 2015 , 9, 11218-24	16.7	40
124	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
123	Self-powered gold nanowire tattoo triboelectric sensors for soft wearable human-machine interface. <i>Nano Energy</i> , 2020 , 77, 105295	17.1	40
122	Bifunctional plasmonic-magnetic particles for an enhanced microfluidic SERS immunoassay. <i>Nanoscale</i> , 2017 , 9, 7822-7829	7.7	39
121	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
120	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
119	Key parameters governing metallic nanoparticle electrocatalysis. <i>Nanoscale</i> , 2015 , 7, 16151-64	7.7	39
118	Effect of number density on optimal design of gold nanoshells for plasmonic photothermal therapy. <i>Biomedical Optics Express</i> , 2013 , 4, 15-31	3.5	39
117	Fractal Gold Nanoframework for Highly Stretchable Transparent Strain-Insensitive Conductors. <i>Nano Letters</i> , 2018 , 18, 3593-3599	11.5	39
116	Multilayered core-satellite nanoassemblies with fine-tunable broadband plasmon resonances. <i>Nanoscale</i> , 2015 , 7, 3445-52	7.7	38
115	Free-standing 1D assemblies of plasmonic nanoparticles. <i>Advanced Materials</i> , 2013 , 25, 3968-72	24	38
114	Spontaneous fractal aggregation of gold nanoparticles and controlled generation of aggregate-based fractal networks at air/water interface. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 19213-18	13.4	38
113	Nanocomposite films containing Au nanoparticles formed by electrochemical reduction of metal ions in the multilayer films as electrocatalyst for dioxygen reduction. <i>Analytica Chimica Acta</i> , 2005 , 535, 15-22	6.6	38
112	Large-Scale Self-Assembly and Stretch-Induced Plasmonic Properties of Core-Shell Metal Nanoparticle Superlattice Sheets. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 26816-26824	3.8	37
111	Electrostatic-assembly metallized nanoparticles network by DNA template. <i>Talanta</i> , 2006 , 68, 693-9	6.2	37
110	Site-Selective Self-assembly of MPA-Bridged CuHCF Multilayers on APTMS-Supported Gold Colloid Electrodes. <i>Chemistry of Materials</i> , 2003 , 15, 2495-2501	9.6	37
109	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
108	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

107	Single-crystal caged gold nanorods with tunable broadband plasmon resonances. <i>Chemical Communications</i> , 2013 , 49, 9630-2	5.8	36
106	Optimized gold nanoshell ensembles for biomedical applications. <i>Nanoscale Research Letters</i> , 2013 , 8, 142	5	35
105	Multiscale Soft-Hard Interface Design for Flexible Hybrid Electronics. <i>Advanced Materials</i> , 2020 , 32, e1902278	2.4	35
104	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
103	Stretchable gold fiber-based wearable electrochemical sensor toward pH monitoring. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 3655-3660	7.3	32
102	Patterning Vertically Grown Gold Nanowire Electrodes for Intrinsically Stretchable Organic Transistors. <i>Advanced Electronic Materials</i> , 2019 , 5, 1800509	6.4	32
101	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
100	Tumor cell-specific photothermal killing by SELEX-derived DNA aptamer-targeted gold nanorods. <i>Nanoscale</i> , 2016 , 8, 187-96	7.7	30
99	Matryoshka-caged gold nanorods: Synthesis, plasmonic properties, and catalytic activity. <i>Nano Research</i> , 2016 , 9, 415-423	10	30
98	Self-assembled gold nanorime mesh conductors for invisible stretchable supercapacitors. <i>Nanoscale</i> , 2018 , 10, 15948-15955	7.7	30
97	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
96	Alternate assemblies of thionine and Au-nanoparticles on an amino functionalized surface. <i>Chemical Communications</i> , 2002 , 1706-7	5.8	29
95	Free-Standing 2D Nanoassemblies. <i>Advanced Functional Materials</i> , 2020 , 30, 1902301	15.6	29
94	Self-assembly and characterization of 2D plasmene nanosheets. <i>Nature Protocols</i> , 2019 , 14, 2691-2706	18.8	28
93	Soft and stretchable electrochemical biosensors. <i>Materials Today Nano</i> , 2019 , 7, 100041	9.7	27
92	2D Freestanding Janus Gold Nanocrystal Superlattices. <i>Advanced Materials</i> , 2019 , 31, e1900989	24	27
91	Soft piezoresistive pressure sensing matrix from copper nanowires composite aerogel. <i>Science Bulletin</i> , 2016 , 61, 1624-1630	10.6	26
90	Tunable Broadband Optical Responses of Substrate-Supported Metal/Dielectric/Metal Nanospheres. <i>Plasmonics</i> , 2014 , 9, 659-672	2.4	26

89	Biological stability and activity of siRNA in ionic liquids. <i>Chemical Communications</i> , 2014 , 50, 13457-60	5.8	26
88	Adaptive DNA-based materials for switching, sensing, and logic devices. <i>Journal of Materials Chemistry</i> , 2011 , 21, 6113		26
87	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
86	Interdigitated Phospholipid/Alkanethiol Bilayers Assembled on APTMS-Supported Gold Colloid Electrodes. <i>Electroanalysis</i> , 2004 , 16, 127-131	3	25
85	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
84	2D Binary Plasmonic Nanoassemblies with Semiconductor n/p-Doping-Like Properties. <i>Advanced Materials</i> , 2018 , 30, e1801118	24	23
83	DNA-based plasmonic nanoarchitectures: from structural design to emerging applications. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2012 , 4, 587-604	9.2	23
82	Ultraflexible plasmonic nanocomposite aerogel. <i>RSC Advances</i> , 2011 , 1, 1265	3.7	23
81	A General Approach to Free-Standing Nanoassemblies via Acoustic Levitation Self-Assembly. <i>ACS Nano</i> , 2019 , 13, 5243-5250	16.7	22
80	Unveiling ultrasharp scattering-switching signatures of layered gold-dielectric-gold nanospheres. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013 , 30, 2066	1.7	22
79	Synthesis of tellurium nanorods via spontaneous oxidation of NaHTe at room temperature. <i>Chemical Physics Letters</i> , 2004 , 395, 302-305	2.5	22
78	Humidity-Responsive Single-Nanoparticle-Layer Plasmonic Films. <i>Advanced Materials</i> , 2017 , 29, 160679624		21
77	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
76	Plasmene Metasurface Absorbers: Electromagnetic Hot Spots and Hot Carriers. <i>ACS Photonics</i> , 2019 , 6, 314-321	6.3	18
75	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
74	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
73	Iodine-Induced Gold-Nanoparticle Fusion/Fragmentation/Aggregation and Iodine-Linked Nanostructured Assemblies on a Glass Substrate. <i>Angewandte Chemie</i> , 2003 , 115, 465-468	3.6	16
72	Metallic Nanoparticles as Advanced Electrocatalysts. <i>Science of Advanced Materials</i> , 2012 , 4, 784-797	2.3	16

71	Soft Wearable Healthcare Materials and Devices. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2100577	10.1	16
70	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
69	Shape Transformation of Constituent Building Blocks within Self-Assembled Nanosheets and Nano-origami. <i>ACS Nano</i> , 2018 , 12, 1014-1022	16.7	15
68	Covalent-Cross-Linked Plasmene Nanosheets. <i>ACS Nano</i> , 2019 , 13, 6760-6769	16.7	14
67	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
66	Inhibited Fragmentation of mAbs in buffered ionic liquids. <i>Chemical Communications</i> , 2015 , 51, 8089-92	5.8	14
65	A pH-responsive asymmetric lipid vesicle as drug carrier. <i>Journal of Microencapsulation</i> , 2016 , 33, 663-668	3.4	14
64	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
63	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
62	Intrinsically Stretchable Fuel Cell Based on Enokitake-Like Standing Gold Nanowires. <i>Advanced Energy Materials</i> , 2020 , 10, 1903512	21.8	13
61	Embedding Pinhole Vertical Gold Nanowire Electronic Skins for Braille Recognition. <i>Small</i> , 2019 , 15, e1804853	13	
60	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
59	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
58	Electronic Skin Wearable Sensors for Detecting Lumbar-Pelvic Movements. <i>Sensors</i> , 2020 , 20,	3.8	11
57	Free-standing nanoparticle superlattice sheets: From design to applications. <i>Europhysics Letters</i> , 2017 , 119, 48004	1.6	11
56	Plasmene origami. <i>Materials Today</i> , 2016 , 19, 363-364	21.8	11
55	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
54	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

53	Extensional viscosity of copper nanowire suspensions in an aqueous polymer solution. <i>Soft Matter</i> , 2015 , 11, 8076-82	3.6	10
52	Dynamically functioning and highly stretchable epidermal supercapacitor based on vertically aligned gold nanowire skins. <i>EcoMat</i> , 2020 , 2, e12022	9.4	10
51	Ultrathin Fresnel lens based on plasmene nanosheets. <i>Materials Today</i> , 2019 , 23, 9-15	21.8	10
50	DNA based strategy to nanoparticle superlattices. <i>Methods</i> , 2014 , 67, 215-26	4.6	10
49	Design of Stretchable Holey Gold Biosensing Electrode for Real-Time Cell Monitoring. <i>ACS Sensors</i> , 2020 , 5, 3165-3171	9.2	10
48	Plasmene nanosheets as optical skin strain sensors. <i>Nanoscale Horizons</i> , 2020 , 5, 1515-1523	10.8	10
47	Graphene-Enhanced 3D Chemical Mapping of Biological Specimens at Near-Atomic Resolution. <i>Advanced Functional Materials</i> , 2018 , 28, 1801439	15.6	10
46	Effect of Organic Modification on Multiwalled Carbon Nanotube Dispersions in Highly Concentrated Emulsions. <i>ACS Omega</i> , 2019 , 4, 6647-6659	3.9	9
45	Enhanced enzymatic degradation resistance of plasmid DNA in ionic liquids. <i>RSC Advances</i> , 2015 , 5, 43839-43844	3.7	9
44	Lightweight, flexible, nanorod electrode with high electrocatalytic activity. <i>Electrochemistry Communications</i> , 2013 , 27, 120-123	5.1	9
43	Skin-Like Stretchable Fuel Cell Based on Gold-Nanowire-Impregnated Porous Polymer Scaffolds. <i>Small</i> , 2020 , 16, e2003269	11	9
42	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
41	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
40	Probing in Real Time the Soft Crystallization of DNA-Capped Nanoparticles. <i>Angewandte Chemie</i> , 2010 , 122, 390-394	3.6	8
39	Direct Imaging of Liquid Nanoparticle Interfaces with Atom Probe Tomography. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 19389-19395	3.8	8
38	Site-specific Ag coating on concave Au nanoarrows by controlling the surfactant concentration. <i>Nanoscale Horizons</i> , 2019 , 4, 940-946	10.8	8
37	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
36	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

35	Self-assembled Janus plasmene nanosheets as flexible 2D photocatalysts. <i>Materials Horizons</i> , 2021 , 8, 259-266	14.4	7
34	Highly Selective Nanostructured Electrochemical Sensor Utilizing Densely Packed Ultrathin Gold Nanowires Film. <i>Electroanalysis</i> , 2020 , 32, 1850-1858	3	6
33	Transparent gold nano-membranes for the enhanced light trapping of the indium tin oxide films. <i>Optical Materials Express</i> , 2014 , 4, 321	2.6	6
32	Fine-Tuning Au@Pd Nanocrystals for Maximum Plasmon-Enhanced Catalysis. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2001686	4.6	6
31	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
30	An Adaptive Soft Plasmonic Nanosheet Resonator. <i>Laser and Photonics Reviews</i> , 2019 , 13, 1800302	8.3	5
29	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
28	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
27	Functional Graphene Derivatives for Chemotherapy-Based Synergistic Tumor Therapy. <i>Nano</i> , 2019 , 14, 1930006	1.1	4
26	Soft gold nanowire sponge antenna for battery-free wireless pressure sensors. <i>Nanoscale</i> , 2021 , 13, 3957-3966	7.7	4
25	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
24	Self-Luminous Fiber-Reinforced Polymer Composites for Structural Applications. <i>Journal of Materials in Civil Engineering</i> , 2015 , 27, 04014120	3	3
23	Enzyme-like electrocatalysis from 2D gold nanograss-nanocube assemblies. <i>Journal of Colloid and Interface Science</i> , 2020 , 575, 24-34	9.3	3
22	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
21	Size Effect on Failure of Pre-stretched Free-Standing Nanomembranes. <i>Nanoscale Research Letters</i> , 2010 , 5, 1236-9	5	3
20	Soft Plasmonics: Design, Fabrication, Characterization, and Applications. <i>Advanced Optical Materials</i> , 2018 , 10, 1436	11.5	3
19	Orientation-Dependent Soft Plasmonics of Gold Nanobipyramid Plasmene Nanosheets. <i>Nano Letters</i> , 2021 , 21, 389-396	11.5	3
18	A Stretchable Gold Nanowire Sensor and Its Characterization Using Machine Learning for Motion Tracking. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	3

17	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
16	Ultra-sensitive photon sensor based on self-assembled nanoparticle plasmonic membrane resonator 2016 ,		2
15	Evaporative self-assembly of gold nanorings via a surface acoustic wave atomization 2011 ,		2
14	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
13	Stable copper nanowire-graphene oxide thin films for nonlinear photonics. <i>OSA Continuum</i> , 2019 , 2, 1455.4		2
12	The Virtual-Spine Platform-Acquiring, visualizing, and analyzing individual sitting behavior. <i>PLoS ONE</i> , 2018 , 13, e0195670	3.7	2
11	Active strain engineering of soft plasmene nanosheets by thermoresponsive hydrogels. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 12720-12726	7.1	2
10	Two-Dimensional Nanoassemblies from Plasmonic Matryoshka Nanoframes. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 27753-27762	3.8	2
9	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
8	Hairy gold nanorods: gold nanowire growth on nanosubstrates [Invited]. <i>Optical Materials Express</i> , 2020 , 10, 342	2.6	1
7	Mechanically-gated electrochemical ionic channels with chemically modified vertically aligned gold nanowires. <i>IScience</i> , 2021 , 24, 103307	6.1	1
6	Fabrication, Properties and Applications of Plasmene Nanosheet. <i>International Journal of Behavioral and Consultation Therapy</i> , 2017 , 109-136	0.6	1
5	Smart materials and devices for electronic textiles. <i>MRS Bulletin</i> , 2021 , 46, 488-490	3.2	1
4	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
3	Cell Sheet-like Soft Nanoreactor Arrays. <i>Advanced Materials</i> , 2021 , e2105630	24	0
2	On-demand bioenergy from a fingertip. <i>Trends in Chemistry</i> , 2021 , 3, 800-802	14.8	0
1	Nucleic Acid Engineering549-575		