

# Yuebing Zheng

## List of Publications by Citations

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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.

147 papers	6,121 citations	42 h-index	74 g-index
178 ext. papers	7,169 ext. citations	10.9 avg, IF	6.22 L-index

#	Paper	IF	Citations
147	Visibly transparent polymer solar cells produced by solution processing. <i>ACS Nano</i> , <b>2012</b> , 6, 7185-90	16.7	434
146	Chemistry and physics of a single atomic layer: strategies and challenges for functionalization of graphene and graphene-based materials. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 97-114	58.5	432
145	Viologen-mediated assembly of and sensing with carboxylatopillar[5]arene-modified gold nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 1570-6	16.4	402
144	Fused silver nanowires with metal oxide nanoparticles and organic polymers for highly transparent conductors. <i>ACS Nano</i> , <b>2011</b> , 5, 9877-82	16.7	326
143	Active molecular plasmonics: controlling plasmon resonances with molecular switches. <i>Nano Letters</i> , <b>2009</b> , 9, 819-25	11.5	191
142	Large-Area Au-Nanoparticle-Functionalized Si Nanorod Arrays for Spatially Uniform Surface-Enhanced Raman Spectroscopy. <i>ACS Nano</i> , <b>2017</b> , 11, 1478-1487	16.7	145
141	Intelligent nanophotonics: merging photonics and artificial intelligence at the nanoscale. <i>Nanophotonics</i> , <b>2019</b> , 8, 339-366	6.3	138
140	Light-Driven Plasmonic Switches Based on Au Nanodisk Arrays and Photoresponsive Liquid Crystals. <i>Advanced Materials</i> , <b>2008</b> , 20, 3528-3532	24	136
139	Highly Efficient Photoelectrochemical Water Splitting from Hierarchical WO/BiVO Nanoporous Sphere Arrays. <i>Nano Letters</i> , <b>2017</b> , 17, 8012-8017	11.5	131
138	Opto-thermoelectric nanotweezers. <i>Nature Photonics</i> , <b>2018</b> , 12, 195-201	33.9	127
137	Bubble-Pen Lithography. <i>Nano Letters</i> , <b>2016</b> , 16, 701-8	11.5	120
136	Molecular switches and motors on surfaces. <i>Annual Review of Physical Chemistry</i> , <b>2013</b> , 64, 605-30	15.7	107
135	Light-Directed Reversible Assembly of Plasmonic Nanoparticles Using Plasmon-Enhanced Thermophoresis. <i>ACS Nano</i> , <b>2016</b> , 10, 9659-9668	16.7	106
134	Incident-angle-modulated molecular plasmonic switches: a case of weak exciton-plasmon coupling. <i>Nano Letters</i> , <b>2011</b> , 11, 2061-5	11.5	96
133	Biologically inspired flexible photonic films for efficient passive radiative cooling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 14657-14666	11.5	92
132	Surface-enhanced Raman spectroscopy to probe reversibly photoswitchable azobenzene in controlled nanoscale environments. <i>Nano Letters</i> , <b>2011</b> , 11, 3447-52	11.5	89
131	Aminopropyltriethoxysilane (APTES)-functionalized nanoporous polymeric gratings: fabrication and application in biosensing. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 4896		84

130	Opto-thermophoretic assembly of colloidal matter. <i>Science Advances</i> , <b>2017</b> , 3, e1700458	14.3	79
129	Dynamic tuning of plasmon-exciton coupling in arrays of nanodisk-J-aggregate complexes. <i>Advanced Materials</i> , <b>2010</b> , 22, 3603-7	24	74
128	Thermophoretic Tweezers for Low-Power and Versatile Manipulation of Biological Cells. <i>ACS Nano</i> , <b>2017</b> , 11, 3147-3154	16.7	73
127	Moiré Nanosphere Lithography. <i>ACS Nano</i> , <b>2015</b> , 9, 6031-40	16.7	72
126	Effects of Geometry and Composition on Charge-Induced Plasmonic Shifts in Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 7309-7317	3.8	72
125	Optimizing plasmonic nanoantennas via coordinated multiple coupling. <i>Scientific Reports</i> , <b>2015</b> , 5, 14788	4.9	70
124	Seedless Growth of Palladium Nanocrystals with Tunable Structures: From Tetrahedra to Nanosheets. <i>Nano Letters</i> , <b>2015</b> , 15, 7519-25	11.5	68
123	Optically switchable gratings based on azo-dye-doped, polymer-dispersed liquid crystals. <i>Optics Letters</i> , <b>2009</b> , 34, 2351-3	3	66
122	Optothermal Manipulations of Colloidal Particles and Living Cells. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 1465-1474	24.3	65
121	High-Performance Ultrathin Active Chiral Metamaterials. <i>ACS Nano</i> , <b>2018</b> , 12, 5030-5041	16.7	62
120	A single-layer, planar, optofluidic Mach-Zehnder interferometer for label-free detection. <i>Lab on a Chip</i> , <b>2011</b> , 11, 1795-800	7.2	62
119	Moiré Chiral Metamaterials. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1700034	8.1	57
118	Tunable Fano Resonance and Plasmon-Exciton Coupling in Single Au Nanotriangles on Monolayer WS at Room Temperature. <i>Advanced Materials</i> , <b>2018</b> , 30, e1705779	24	56
117	Tunable Resonance Coupling in Single Si Nanoparticle-Monolayer WS Structures. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 16690-16697	9.5	54
116	Chemically Tuning the Localized Surface Plasmon Resonances of Gold Nanostructure Arrays. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 7019-7024	3.8	54
115	Photoresponsive molecules in well-defined nanoscale environments. <i>Advanced Materials</i> , <b>2013</b> , 25, 302-12	12	53
114	Plasmo-fluidics: Merging Light and Fluids at the Micro-/Nanoscale. <i>Small</i> , <b>2015</b> , 11, 4423-44	11	51
113	Thermodynamic synthesis of solution processable ladder polymers. <i>Chemical Science</i> , <b>2016</b> , 7, 881-889	9.4	50

- 112 All-Optical Modulation of Localized Surface Plasmon Coupling in a Hybrid System Composed of Photo-Switchable Gratings and Au Nanodisk Arrays. *Journal of Physical Chemistry C*, **2011**, 115, 7717-7722 <sup>3.8</sup> 48
- 111 Coupling between Molecular and Plasmonic Resonances: Effect of Molecular Absorbance. *Journal of Physical Chemistry C*, **2009**, 113, 18499-18503 <sup>3.8</sup> 48
- 110 Thermal behavior of localized surface plasmon resonance of Au/TiO<sub>2</sub> core/shell nanoparticle arrays. *Applied Physics Letters*, **2007**, 90, 183117 <sup>3.4</sup> 47
- 109 Combinational template-assisted fabrication of hierarchically ordered nanowire arrays on substrates for device applications. *Applied Physics Letters*, **2006**, 89, 233104 <sup>3.4</sup> 45
- 108 Efficient Photoelectrochemical Water Oxidation over Hydrogen-Reduced Nanoporous BiVO<sub>4</sub> with NiBi Electrocatalyst. *ChemElectroChem*, **2015**, 2, 1385-1395 <sup>4.3</sup> 43
- 107 Effects of Intrinsic Fano Interference on Surface Enhanced Raman Spectroscopy: Comparison between Platinum and Gold. *Journal of Physical Chemistry C*, **2010**, 114, 18059-18066 <sup>3.8</sup> 43
- 106 High-Resolution Bubble Printing of Quantum Dots. *ACS Applied Materials & Interfaces*, **2017**, 9, 16725-16732 <sup>5.1</sup> 42
- 105 Organic-Inorganic Hybrid Pillarene-Based Nanomaterial for Label-Free Sensing and Catalysis. *Matter*, **2019**, 1, 848-861 <sup>12.7</sup> 41
- 104 All-optical reconfigurable chiral meta-molecules. *Materials Today*, **2019**, 25, 10-20 <sup>21.8</sup> 40
- 103 Interfacial-entropy-driven thermophoretic tweezers. *Lab on A Chip*, **2017**, 17, 3061-3070 <sup>7.2</sup> 40
- 102 Optical Nanoprinting of Colloidal Particles and Functional Structures. *ACS Nano*, **2019**, 13, 3783-3795 <sup>16.7</sup> 38
- 101 Surface-enhanced Raman spectroscopy to probe photoreaction pathways and kinetics of isolated reactants on surfaces: flat versus curved substrates. *Nano Letters*, **2012**, 12, 5362-8 <sup>11.5</sup> 38
- 100 Photoswitchable Rabi Splitting in Hybrid Plasmon-Waveguide Modes. *Nano Letters*, **2016**, 16, 7655-7663 <sup>11.5</sup> 35
- 99 Room-Temperature Active Modulation of Valley Dynamics in a Monolayer Semiconductor through Chiral Purcell Effects. *Advanced Materials*, **2019**, 31, e1904132 <sup>24</sup> 34
- 98 Towards nanoporous polymer thin film-based drug delivery systems. *Thin Solid Films*, **2009**, 517, 1794-1798 <sup>2.8</sup> 34
- 97 Moiré Metamaterials and Metasurfaces. *Advanced Optical Materials*, **2018**, 6, 1701057 <sup>8.1</sup> 32
- 96 Molecular-Fluorescence Enhancement via Blue-Shifted Plasmon-Induced Resonance Energy Transfer. *Journal of Physical Chemistry C*, **2016**, 120, 14820-14827 <sup>3.8</sup> 32
- 95 Design and applications of lattice plasmon resonances. *Nano Research*, **2018**, 11, 4423-4440 <sup>10</sup> 32

94	Nanoradiator-Mediated Deterministic Opto-Thermoelectric Manipulation. <i>ACS Nano</i> , <b>2018</b> , 12, 10383-10392	10.7	32
93	Optically active plasmonic resonance in self-assembled nanostructures. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 662-678	7.8	30
92	Overcoming Diffusion-Limited Trapping in Nanoaperture Tweezers Using Opto-Thermal-Induced Flow. <i>Nano Letters</i> , <b>2020</b> , 20, 768-779	11.5	30
91	Optothermoplasmonic Nanolithography for On-Demand Patterning of 2D Materials. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1803990	15.6	28
90	Reconfigurable opto-thermoelectric printing of colloidal particles. <i>Chemical Communications</i> , <b>2017</b> , 53, 7357-7360	5.8	27
89	Near-Ultraviolet Dielectric Metasurfaces: from Surface-Enhanced Circular Dichroism Spectroscopy to Polarization-Preserving Mirrors. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 11814-11822	3.8	27
88	Electronic properties of tin dichalcogenide monolayers and effects of hydrogenation and tension. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 3714-3721	7.1	27
87	Opto-Thermophoretic Manipulation and Construction of Colloidal Superstructures in Photocurable Hydrogels. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 3998-4004	5.6	26
86	Plasmon-trion and plasmon-exciton resonance energy transfer from a single plasmonic nanoparticle to monolayer MoS. <i>Nanoscale</i> , <b>2017</b> , 9, 13947-13955	7.7	26
85	Active molecular plasmonics: tuning surface plasmon resonances by exploiting molecular dimensions. <i>Nanophotonics</i> , <b>2015</b> , 4, 186-197	6.3	25
84	Chiral metamaterials via Moiré stacking. <i>Nanoscale</i> , <b>2018</b> , 10, 18096-18112	7.7	24
83	Fabrication of large area ordered metal nanoring arrays for nanoscale optical sensors. <i>Journal of Non-Crystalline Solids</i> , <b>2006</b> , 352, 2532-2535	3.9	24
82	Dual-band moiré metasurface patches for multifunctional biomedical applications. <i>Nanoscale</i> , <b>2016</b> , 8, 18461-18468	7.7	24
81	Hydrogen-reduced bismuth oxyiodide nanoflake arrays with plasmonic enhancements for efficient photoelectrochemical water reduction. <i>Electrochimica Acta</i> , <b>2016</b> , 219, 20-27	6.7	24
80	Al <sub>2</sub> O <sub>3</sub> -incorporation effect on the band structure of Ba <sub>0.5</sub> Sr <sub>0.5</sub> TiO <sub>3</sub> thin films. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 112910	3.4	23
79	Opto-thermoelectric microswimmers. <i>Light: Science and Applications</i> , <b>2020</b> , 9, 141	16.7	23
78	Opto-thermophoretic fiber tweezers. <i>Nanophotonics</i> , <b>2019</b> , 8, 475-485	6.3	22
77	Digital manufacturing of advanced materials: challenges and perspective. <i>Materials Today</i> , <b>2019</b> , 28, 49-62	21.8	22

76	Effect of Tether Conductivity on the Efficiency of Photoisomerization of Azobenzene-Functionalized Molecules on Au{111}. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 2388-94	6.4	22
75	Thermal behaviour of ultra-thin Co overlayers on rutile TiO <sub>2</sub> (100) surface. <i>Surface Science</i> , <b>2005</b> , 589, 32-41	1.8	22
74	Engineering of parallel plasmonic-photonic interactions for on-chip refractive index sensors. <i>Nanoscale</i> , <b>2015</b> , 7, 12205-14	7.7	21
73	Tunable Chiral Optics in All-Solid-Phase Reconfigurable Dielectric Nanostructures. <i>Nano Letters</i> , <b>2021</b> , 21, 973-979	11.5	21
72	Patterning and fluorescence tuning of quantum dots with haptic-interfaced bubble printing. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 5693-5699	7.1	20
71	Tunable multiband metasurfaces by moiré nanosphere lithography. <i>Nanoscale</i> , <b>2015</b> , 7, 20391-6	7.7	20
70	Deep Convolutional Mixture Density Network for Inverse Design of Layered Photonic Structures. <i>ACS Photonics</i> , <b>2020</b> , 7, 2703-2712	6.3	20
69	Accumulation-Driven Unified Spatiotemporal Synthesis and Structuring of Immiscible Metallic Nanoalloys. <i>Matter</i> , <b>2019</b> , 1, 1606-1617	12.7	20
68	Opto-Thermophoretic Attraction, Trapping, and Dynamic Manipulation of Lipid Vesicles. <i>Langmuir</i> , <b>2018</b> , 34, 13252-13262	4	20
67	Photoreaction of matrix-isolated dihydroazulene-functionalized molecules on Au{111}. <i>Nano Letters</i> , <b>2013</b> , 13, 337-43	11.5	19
66	Tunable Graphene Metasurfaces with Gradient Features by Self-Assembly-Based Moiré Nanosphere Lithography. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 2035-2043	8.1	19
65	Optothermophoretic Manipulation of Colloidal Particles in Nonionic Liquids. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 24226-24234	3.8	18
64	Point-and-Shoot Synthesis of Metallic Ring Arrays and Surface-Enhanced Optical Spectroscopy. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1701213	8.1	17
63	Microstructure-dependent band structure of HfO <sub>2</sub> thin films. <i>Thin Solid Films</i> , <b>2006</b> , 504, 197-200	2.2	17
62	Optical Patterning of Two-Dimensional Materials. <i>Research</i> , <b>2020</b> , 2020, 6581250	7.8	17
61	Suppressing material loss in the visible and near-infrared range for functional nanophotonics using bandgap engineering. <i>Nature Communications</i> , <b>2020</b> , 11, 5055	17.4	17
60	Plasmon-enhanced nanoporous BiVO <sub>4</sub> photoanodes for efficient photoelectrochemical water oxidation. <i>Nanotechnology</i> , <b>2016</b> , 27, 235401	3.4	17
59	Optical nanomanipulation on solid substrates via optothermally-gated photon nudging. <i>Nature Communications</i> , <b>2019</b> , 10, 5672	17.4	17

58	Dark-Exciton-Mediated Fano Resonance from a Single Gold Nanostructure on Monolayer WS at Room Temperature. <i>Small</i> , <b>2019</b> , 15, e1900982	11	16
57	Opto-Thermophoretic Tweezers and Assembly. <i>Journal of Micro and Nano-Manufacturing</i> , <b>2018</b> , 6,	1.3	16
56	Enhancing Surface Capture and Sensing of Proteins with Low-Power Optothermal Bubbles in a Biphasic Liquid. <i>Nano Letters</i> , <b>2020</b> , 20, 7020-7027	11.5	14
55	Controlling Plasmon-Enhanced Fluorescence via Intersystem Crossing in Photoswitchable Molecules. <i>Small</i> , <b>2017</b> , 13, 1701763	11	13
54	Regioselective Localization and Tracking of Biomolecules on Single Gold Nanoparticles. <i>Advanced Science</i> , <b>2015</b> , 2, 1500232	13.6	13
53	Opto-thermoelectric pulling of light-absorbing particles. <i>Light: Science and Applications</i> , <b>2020</b> , 9, 34	16.7	12
52	Thermo-Electro-Mechanics at Individual Particles in Complex Colloidal Systems. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 21639-21644	3.8	12
51	Selective growth of GaAs quantum dots on the triangle nanocavities bounded by SiO <sub>2</sub> mask on Si substrate by MBE. <i>Journal of Crystal Growth</i> , <b>2004</b> , 268, 369-374	1.6	12
50	Heat-Mediated Optical Manipulation. <i>Chemical Reviews</i> , <b>2021</b> ,	68.1	11
49	Radiative Enhancement of Plasmonic Nanopatch Antennas. <i>Plasmonics</i> , <b>2016</b> , 11, 213-222	2.4	10
48	Multiple plasmonic-photonic couplings in the Au nanobead arrays: enhanced robustness and wavelength tunability. <i>Optics Letters</i> , <b>2015</b> , 40, 2060-3	3	10
47	Optothermally Assembled Nanostructures. <i>Accounts of Materials Research</i> , <b>2021</b> , 2, 352-363	7.5	10
46	Light-Driven Magnetic Encoding for Hybrid Magnetic Micromachines. <i>Nano Letters</i> , <b>2021</b> , 21, 1628-1635	11.5	10
45	Atomistic modeling and rational design of optothermal tweezers for targeted applications.. <i>Nano Research</i> , <b>2021</b> , 14, 295-303	10	9
44	Acousto-plasmodfluidics: Acoustic modulation of surface plasmon resonance in microfluidic systems. <i>AIP Advances</i> , <b>2015</b> , 5, 097161	1.5	8
43	Opto-Thermoelectric Tweezers: Principles and Applications. <i>Frontiers in Physics</i> , <b>2020</b> , 8,	3.9	8
42	Opto-thermoelectric speckle tweezers. <i>Nanophotonics</i> , <b>2020</b> , 9, 927-933	6.3	7
41	Plasmonic Nanotweezers and Nanosensors for Point-of-Care Applications. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2100050	8.1	7

40	Opto-refrigerative tweezers. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	7
39	Digital Assembly of Colloidal Particles for Nanoscale Manufacturing. <i>Particle and Particle Systems Characterization</i> , <b>2019</b> , 36, 1900152	3.1	6
38	A mixture-density-based tandem optimization network for on-demand inverse design of thin-film high reflectors. <i>Nanophotonics</i> , <b>2021</b> ,	6.3	6
37	Label-Free Ultrasensitive Detection of Abnormal Chiral Metabolites in Diabetes. <i>ACS Nano</i> , <b>2021</b> , 15, 6448-6456	16.7	6
36	Decoding Optical Data with Machine Learning. <i>Laser and Photonics Reviews</i> , <b>2021</b> , 15, 2000422	8.3	6
35	Directional Modulation of Exciton Emission Using Single Dielectric Nanospheres. <i>Advanced Materials</i> , <b>2021</b> , 33, e2007236	24	5
34	Directional light emission by electric and magnetic dipoles near a nanosphere: an analytical approach based on the generalized Mie theory. <i>Optics Letters</i> , <b>2021</b> , 46, 302-305	3	5
33	Liquid Optothermoelectrics: Fundamentals and Applications. <i>Langmuir</i> , <b>2021</b> , 37, 1315-1336	4	4
32	Substrate-Independent Lattice Plasmon Modes for High-Performance On-Chip Plasmonic Sensors. <i>Plasmonics</i> , <b>2016</b> , 11, 1427-1435	2.4	3
31	Optothermoplasmonic Patterning: Optothermoplasmonic Nanolithography for On-Demand Patterning of 2D Materials (Adv. Funct. Mater. 41/2018). <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1870299	15.6	3
30	Optical manipulation and assembly of micro/nanoscale objects on solid substrates.. <i>IScience</i> , <b>2022</b> , 25, 104035	6.1	3
29	Molecular Plasmonics: From Molecular-Scale Measurements and Control to Applications. <i>ACS Symposium Series</i> , <b>2016</b> , 23-52	0.4	2
28	Grand Challenges in Nanofabrication: There Remains Plenty of Room at the Bottom. <i>Frontiers in Nanotechnology</i> , 3,	5.5	2
27	Sensitivity-Enhancing Strategies in Optical Biosensing. <i>Small</i> , <b>2021</b> , 17, e2004988	11	2
26	Enhancing Single-Molecule Fluorescence Spectroscopy with Simple and Robust Hybrid Nanoapertures.. <i>ACS Photonics</i> , <b>2021</b> , 8, 1673-1682	6.3	2
25	Room-temperature Observation of Near-intrinsic Exciton Linewidth in Monolayer WS.. <i>Advanced Materials</i> , <b>2022</b> , e2108721	24	2
24	Controlling the polarization of chiral dipolar emission with a spherical dielectric nanoantenna.. <i>Journal of Chemical Physics</i> , <b>2021</b> , 155, 224110	3.9	2
23	Plasmo-fluidics for Biosensing and Medical Diagnostics <b>2018</b> , 213-247		1



22	Plasmodfluidics: Plasmodfluidics: Merging Light and Fluids at the Micro-/Nanoscale (Small 35/2015). <i>Small</i> , <b>2015</b> , 11, 4422-4422	11	1
21	Multiphoton Plasmonics: Regioselective Localization and Tracking of Biomolecules on Single Gold Nanoparticles (Adv. Sci. 11/2015). <i>Advanced Science</i> , <b>2015</b> , 2,	13.6	1
20	Nanoradiator-Mediated Deterministic Opto-Thermoelectric Manipulation <b>2019</b> ,		1
19	Opto-thermoelectric Speckle Tweezers <b>2020</b> ,		1
18	Reconfigurable Assembly of Chiral Metamaterials on Solid Substrates <b>2020</b> ,		1
17	Detecting Diabetes-Induced Abnormal Chirality in Urine via Accumulation-Assisted Plasmonic Chiral Sensing <b>2020</b> ,		1
16	Plasmon-enhanced hierarchical photoelectrodes with mechanical flexibility for hydrogen generation from urea solution and human urine. <i>Journal of Applied Electrochemistry</i> , <b>2020</b> , 50, 63-69	2.6	1
15	Optoelectronic Thinning of Transition Metal Dichalcogenides for Device Fabrication <b>2020</b> ,		1
14	Chiral Metamaterials: Room-Temperature Active Modulation of Valley Dynamics in a Monolayer Semiconductor through Chiral Purcell Effects (Adv. Mater. 49/2019). <i>Advanced Materials</i> , <b>2019</b> , 31, 1970347	24	1
13	Broadband Forward Light Scattering by Architectural Design of CoreShell Silicon Particles. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2100915	15.6	1
12	Optical Biosensing: Sensitivity-Enhancing Strategies in Optical Biosensing (Small 4/2021). <i>Small</i> , <b>2021</b> , 17, 2170016	11	1
11	Bubble-pen lithography: Fundamentals and applications. <i>Aggregate</i> ,	22.9	1
10	Dielectric Nanospheres: Directional Modulation of Exciton Emission Using Single Dielectric Nanospheres (Adv. Mater. 20/2021). <i>Advanced Materials</i> , <b>2021</b> , 33, 2170153	24	0
9	MoiréMetamaterials and Metasurfaces: MoiréMetamaterials and Metasurfaces (Advanced Optical Materials 3/2018). <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1870011	8.1	
8	Dark Excitons: Dark-Exciton-Mediated Fano Resonance from a Single Gold Nanostructure on Monolayer WS2 at Room Temperature (Small 31/2019). <i>Small</i> , <b>2019</b> , 15, 1970164	11	
7	Nanophotonics and optoelectronics based on two-dimensional MoS2 <b>2020</b> , 121-137		
6	Plasmonic Nanotweezers and Nanosensors for Point-of-Care Applications (Advanced Optical Materials 13/2021). <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2170051	8.1	
5	Plasmonic Metasurfaces: Tunable Graphene Metasurfaces with Gradient Features by Self-Assembly-Based MoiréNanosphere Lithography (Advanced Optical Materials 12/2016). <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 1904-1904	8.1	

4	Fano Resonances: Tunable Fano Resonance and Plasmon-Exciton Coupling in Single Au Nanotriangles on Monolayer WS <sub>2</sub> at Room Temperature (Adv. Mater. 22/2018). <i>Advanced Materials</i> , <b>2018</b> , 30, 1870155	24
3	Towards Single-Molecule Chiral Sensing and Separation. <i>Nanostructure Science and Technology</i> , <b>2022</b> , 271-293	0.9
2	Plasmon-Enhanced Optothermal Manipulation. <i>Lecture Notes in Nanoscale Science and Technology</i> , <b>2022</b> , 233-259	0.3
1	Room-Temperature Observation of Near-Intrinsic Exciton Linewidth in Monolayer WS <sub>2</sub> (Adv. Mater. 15/2022). <i>Advanced Materials</i> , <b>2022</b> , 34, 2270115	24