

# Dang Y Lei

## List of Publications by Year in Descending Order

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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.

176 papers	6,649 citations	49 h-index	74 g-index
197 ext. papers	8,367 ext. citations	9.9 avg, IF	6.27 L-index

#	Paper	IF	Citations
176	Collective Plasmon Coupling in Gold Nanoparticle Clusters for Highly Efficient Photothermal Therapy.. <i>ACS Nano</i> , <b>2022</b> ,	16.7	5
175	Strong coupling in two-dimensional materials-based nanostructures: a review. <i>Journal of Optics (United Kingdom)</i> , <b>2022</b> , 24, 024009	1.7	5
174	High-Q localized surface plasmon resonance based on bound states in the continuum for enhanced refractive index sensing.. <i>Optics Letters</i> , <b>2022</b> , 47, 609-612	3	3
173	Scattering asymmetry and circular dichroism in coupled PT-symmetric chiral nanoparticles. <i>Nanophotonics</i> , <b>2022</b> ,	6.3	2
172	A Data-Mining-Assisted Design of Structural Colors on Diamond Metasurfaces. <i>Advanced Photonics Research</i> , <b>2022</b> , 3, 2270008	1.9	
171	Experimental Demonstration of Genetic Algorithm Based Metalens Design for Generating Side-Lobe-Suppressed, Large Depth-of-Focus Light Sheet. <i>Laser and Photonics Reviews</i> , <b>2022</b> , 16, 2100425	8.3	4
170	Near-field nano-spectroscopy of strong mode coupling in phonon-polaritonic crystals. <i>Applied Physics Reviews</i> , <b>2022</b> , 9, 021414	17.3	2
169	Ultra-rapid and highly efficient enrichment of organic pollutants via magnetic mesoporous nanosponge for ultrasensitive nanosensors. <i>Nature Communications</i> , <b>2021</b> , 12, 6849	17.4	5
168	A Flexible Plasmonic-Membrane-Enhanced Broadband Tin-Based Perovskite Photodetector. <i>Nano Letters</i> , <b>2021</b> , 21, 9195-9202	11.5	8
167	Plasmon-induced trap filling at grain boundaries in perovskite solar cells. <i>Light: Science and Applications</i> , <b>2021</b> , 10, 219	16.7	5
166	Mapping the Magnetic Field Intensity of Light with the Nonlinear Optical Emission of a Silicon Nanoparticle. <i>Nano Letters</i> , <b>2021</b> , 21, 2453-2460	11.5	4
165	Use of Dielectric Metasurfaces to Generate Deep-Subwavelength Nondiffractive Bessel-Like Beams with Arbitrary Trajectories and Ultralarge Deflection. <i>Laser and Photonics Reviews</i> , <b>2021</b> , 15, 2000487	8.3	8
164	Recent Advances in Clusteroluminescence. <i>Topics in Current Chemistry</i> , <b>2021</b> , 379, 14	7.2	10
163	Selective Excitation of Polarization-Steered Chiral Photoluminescence in Single Plasmonic Nanohelicoids. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2101502	15.6	2
162	Bandwidth-tunable THz absorber based on diagonally distributed double-sized VO disks. <i>Applied Optics</i> , <b>2021</b> , 60, 3062-3070	1.7	4
161	Designing plasmonic exceptional points by transformation optics. <i>Optics Express</i> , <b>2021</b> , 29, 16046-16055	3.3	2
160	Probing electron transport in plasmonic molecular junctions with two-photon luminescence spectroscopy. <i>Nanophotonics</i> , <b>2021</b> , 10, 2467-2479	6.3	0

159	Z-Scheme Flower-Like SnO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> Composite with Sn <sup>2+</sup> Active Center for Enhanced Visible-Light Photocatalytic Activity. <i>Advanced Sustainable Systems</i> , <b>2021</b> , 5, 2100087	5.9	5
158	Two-dimensional ferroelasticity in van der Waals BiInSe. <i>Nature Communications</i> , <b>2021</b> , 12, 3665	17.4	14
157	Light-induced symmetry breaking for enhancing second-harmonic generation from an ultrathin plasmonic nanocavity. <i>Nature Communications</i> , <b>2021</b> , 12, 4326	17.4	16
156	Single Plasmonic Nanohelicoids: Selective Excitation of Polarization-Steered Chiral Photoluminescence in Single Plasmonic Nanohelicoids (Adv. Funct. Mater. 30/2021). <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2170217	15.6	0
155	Transition metal dichalcogenide-based mixed-dimensional heterostructures for visible-light-driven photocatalysis: Dimensionality and interface engineering. <i>Nano Research</i> , <b>2021</b> , 14, 2003-2022	10	20
154	Synthetic Plasmonic Nanocircuits and the Evolution of Their Correlated Spatial Arrangement and Resonance Spectrum. <i>ACS Photonics</i> , <b>2021</b> , 8, 166-174	6.3	1
153	Enhancing plasmonic hot-carrier generation by strong coupling of multiple resonant modes. <i>Nanoscale</i> , <b>2021</b> , 13, 2792-2800	7.7	9
152	All-Dielectric Synthetic-Phase Metasurfaces Generating Practical Airy Beams. <i>ACS Nano</i> , <b>2021</b> , 15, 1030-1038	10.8	18
151	Efficient Inverted Perovskite Solar Cells with Low Voltage Loss Achieved by a Pyridine-Based Dopant-Free Polymer Semiconductor. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 7227-7233	16.4	42
150	Efficient Inverted Perovskite Solar Cells with Low Voltage Loss Achieved by a Pyridine-Based Dopant-Free Polymer Semiconductor. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 7303-7309	3.6	8
149	Stable and low-photovoltage-loss perovskite solar cells by multifunctional passivation. <i>Nature Photonics</i> , <b>2021</b> , 15, 681-689	33.9	72
148	Synergistical Dipole-Dipole Interaction Induced Self-Assembly of Phenoxazine-Based Hole-Transporting Materials for Efficient and Stable Inverted Perovskite Solar Cells. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 20600-20605	3.6	1
147	Synergistical Dipole-Dipole Interaction Induced Self-Assembly of Phenoxazine-Based Hole-Transporting Materials for Efficient and Stable Inverted Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 20437-20442	16.4	13
146	Highly efficient and stable perovskite solar cells enabled by a fluoro-functionalized TiO <sub>2</sub> inorganic interlayer. <i>Matter</i> , <b>2021</b> ,	12.7	8
145	Enhanced solar water splitting using plasmon-induced resonance energy transfer and unidirectional charge carrier transport. <i>Optics Express</i> , <b>2021</b> , 29, 34810-34825	3.3	1
144	Enhanced visible and tunable infrared transmittance of W-doped VO <sub>2</sub> /SiO <sub>2</sub> /PVP composite films for smart windows. <i>Optical Materials</i> , <b>2021</b> , 121, 111485	3.3	1
143	Modulation of Defects and Interfaces through Alkylammonium Interlayer for Efficient Inverted Perovskite Solar Cells. <i>Joule</i> , <b>2020</b> , 4, 1248-1262	27.8	143
142	Merging individual metal nanostructures into a superstructure for plasmon mode hybridization and electric-field nanofocusing. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 9293-9302	7.1	3

141	Water-resistant perovskite nanodots enable robust two-photon lasing in aqueous environment. <i>Nature Communications</i> , <b>2020</b> , 11, 1192	17.4	65
140	Thermal and Nonthermal Effects in Plasmon-Mediated Electrochemistry at Nanostructured Ag Electrodes. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 6790-6793	16.4	27
139	Thermal and Nonthermal Effects in Plasmon-Mediated Electrochemistry at Nanostructured Ag Electrodes. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 6856-6859	3.6	1
138	Topology Optimization-Based Inverse Design of Plasmonic Nanodimer with Maximum Near-Field Enhancement. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2000642	15.6	19
137	Polarization-independent highly efficient generation of Airy optical beams with dielectric metasurfaces. <i>Photonics Research</i> , <b>2020</b> , 8, 1148	6	15
136	Dynamic tuning of enhanced intrinsic circular dichroism in plasmonic stereo-metamolecule array with surface lattice resonance. <i>Nanophotonics</i> , <b>2020</b> , 9, 3419-3434	6.3	11
135	Phase-controlled metasurface design via optimized genetic algorithm. <i>Nanophotonics</i> , <b>2020</b> , 9, 3931-3939	3.3	12
134	Effects of gap thickness and emitter location on the photoluminescence enhancement of monolayer MoS <sub>2</sub> in a plasmonic nanoparticle-film coupled system. <i>Nanophotonics</i> , <b>2020</b> , 9, 2097-2105	6.3	10
133	High-efficiency, large-area lattice light-sheet generation by dielectric metasurfaces. <i>Nanophotonics</i> , <b>2020</b> , 9, 4043-4051	6.3	7
132	Chiral Coupling of Valley Excitons and Light through Photonic Spin-Orbit Interactions. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1901233	8.1	24
131	Improving electrocatalytic activity of 2H-MoS <sub>2</sub> nanosheets obtained by liquid phase exfoliation: Covalent surface modification versus interlayer interaction. <i>Journal of Catalysis</i> , <b>2020</b> , 391, 424-434	7.3	12
130	Two-Dimensional Antiferroelectricity in Nanostripe-Ordered In <sub>2</sub> Se <sub>3</sub> . <i>Physical Review Letters</i> , <b>2020</b> , 125, 047601	7.4	21
129	Plasmon-Induced Optical Magnetism in an Ultrathin Metal Nanosphere-Based Dimer-on-Film Nanocavity. <i>Laser and Photonics Reviews</i> , <b>2020</b> , 14, 2000068	8.3	14
128	Strain engineering of 2D semiconductors and graphene: from strain fields to band-structure tuning and photonic applications. <i>Light: Science and Applications</i> , <b>2020</b> , 9, 190	16.7	68
127	Direct observation of nanoparticle-surfactant assembly and jamming at the water-oil interface. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	13
126	Regulating Surface Termination for Efficient Inverted Perovskite Solar Cells with Greater Than 23% Efficiency. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 20134-20142	16.4	185
125	Creating an Eco-Friendly Building Coating with Smart Subambient Radiative Cooling. <i>Advanced Materials</i> , <b>2020</b> , 32, e1906751	24	68
124	Chirality Transfer from Sub-Nanometer Biochemical Molecules to Sub-Micrometer Plasmonic Metastructures: Physiochemical Mechanisms, Biosensing, and Bioimaging Opportunities. <i>Advanced Materials</i> , <b>2020</b> , 32, e1907151	24	23

123	Thermal Redistribution of Exciton Population in Monolayer Transition Metal Dichalcogenides Probed with Plasmon-Exciton Coupling Spectroscopy. <i>ACS Photonics</i> , <b>2019</b> , 6, 411-421	6.3	25
122	Probing the in-Plane Near-Field Enhancement Limit in a Plasmonic Particle-on-Film Nanocavity with Surface-Enhanced Raman Spectroscopy of Graphene. <i>ACS Nano</i> , <b>2019</b> , 13, 7644-7654	16.7	30
121	Plasmon-Enhanced Blue Upconversion Luminescence by Indium Nanocrystals. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1901242	15.6	19
120	Room-Temperature Meniscus Coating of >20% Perovskite Solar Cells: A Film Formation Mechanism Investigation. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1900092	15.6	59
119	Tight-binding modeling of excitonic response in van der Waals stacked 2D semiconductors. <i>Nanoscale Horizons</i> , <b>2019</b> , 4, 969-974	10.8	9
118	A Novel Hybrid-Layered Organic Phototransistor Enables Efficient Intermolecular Charge Transfer and Carrier Transport for Ultrasensitive Photodetection. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900763	24	61
117	Probing Conformation Change and Binding Mode of Metal Ion-Carboxyl Coordination Complex through Resonant Surface-Enhanced Raman Spectroscopy and Density Functional Theory. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 4692-4698	6.4	13
116	Defining Deep-Subwavelength-Resolution, Wide-Color-Gamut, and Large-Viewing-Angle Flexible Subtractive Colors with an Ultrathin Asymmetric Fabry-Pérot Lossy Cavity. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900646	8.1	31
115	Restoring the silenced surface second-harmonic generation in split-ring resonators by magnetic and electric mode matching. <i>Optics Express</i> , <b>2019</b> , 27, 26377-26391	3.3	8
114	Perturbative countersurveillance metaoptics with compound nanosieves. <i>Light: Science and Applications</i> , <b>2019</b> , 8, 101	16.7	23
113	Hollow Au nanorattles for boosting the performance of organic photovoltaics. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 26797-26803	13	6
112	Covalent functionalization of MoS nanosheets synthesized by liquid phase exfoliation to construct electrochemical sensors for Cd (II) detection. <i>Talanta</i> , <b>2018</b> , 182, 38-48	6.2	42
111	Interfacial Control of ZnO Microrod for Whispering Gallery Mode Lasing. <i>ACS Photonics</i> , <b>2018</b> , 5, 2313-2319	11.9	7
110	Hierarchical Porous Plasmonic Nanostructures as New SERS Substrates with Ultra-High Reproducibility and Sensitivity <b>2018</b> , 161-187		
109	Polarization-resolved optical response of plasmonic particle-on-film nanocavities. <i>Journal of Optics (United Kingdom)</i> , <b>2018</b> , 20, 024010	1.7	16
108	Multiplane Illumination Enabled by Fourier-Transform Metasurfaces for High-Speed Light-Sheet Microscopy. <i>ACS Photonics</i> , <b>2018</b> , 5, 1676-1684	6.3	13
107	2H/1T Phase Transition of Multilayer MoS <sub>2</sub> by Electrochemical Incorporation of S Vacancies. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 4754-4765	6.1	65
106	Scanning Nanowelding Lithography for Rewritable One-Step Patterning of Sub-50 nm High-Aspect-Ratio Metal Nanostructures. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801772	24	13

105	Plasmonic Au/TiO <sub>2</sub> -Dumbbell-On-Film Nanocavities for High-Efficiency Hot-Carrier Generation and Extraction. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1800383	15.6	35
104	Epitaxial VO <sub>2</sub> Nanostructures: A Route to Large-Scale, Switchable Dielectric Metasurfaces. <i>ACS Photonics</i> , <b>2018</b> , 5, 2561-2567	6.3	25
103	Electron Energy-Loss Spectroscopy of Spatial Nonlocality and Quantum Tunneling Effects in the Bright and Dark Plasmon Modes of Gold Nanosphere Dimers. <i>Advanced Quantum Technologies</i> , <b>2018</b> , 1, 1800016	4.3	8
102	Ultrafast Light-Controlled Growth of Silver Nanoparticles for Direct Plasmonic Color Printing. <i>ACS Nano</i> , <b>2018</b> , 12, 9913-9921	16.7	31
101	3D Metaphotonic Nanostructures with Intrinsic Chirality. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1803147	14.6	73
100	Electron Transport Across Plasmonic Molecular Nanogaps Interrogated with Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , <b>2018</b> , 12, 6492-6503	16.7	52
99	Geometric modulation of induced plasmonic circular dichroism in nanoparticle assemblies based on backaction and field enhancement. <i>Nanoscale</i> , <b>2018</b> , 10, 19684-19691	7.7	17
98	Plasmonic particle-on-film nanocavities: a versatile platform for plasmon-enhanced spectroscopy and photochemistry. <i>Nanophotonics</i> , <b>2018</b> , 7, 1865-1889	6.3	86
97	Full-Parameter Omnidirectional Thermal Metadevices of Anisotropic Geometry. <i>Advanced Materials</i> , <b>2018</b> , 30, e1804019	24	61
96	Two-dimensional layered nanomaterials for visible-light-driven photocatalytic water splitting. <i>Materials Today Energy</i> , <b>2018</b> , 10, 352-367	7	34
95	Quantitative Determination of Contribution by Enhanced Local Electric Field, Antenna-Amplified Light Scattering, and Surface Energy Transfer to the Performance of Plasmonic Organic Solar Cells. <i>Small</i> , <b>2018</b> , 14, e1800870	11	16
94	Influence of Plasmonic Effect on the Upconversion Emission Characteristics of NaYF <sub>4</sub> Hexagonal Microrods. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 8200-8204	5.1	11
93	Nonlinear optics in plasmonic nanostructures. <i>Journal of Optics (United Kingdom)</i> , <b>2018</b> , 20, 083001	1.7	103
92	The role of oxygen defects in a bismuth doped ScVO <sub>4</sub> matrix: tuning luminescence by hydrogen treatment. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 314-321	7.1	12
91	Emission color tuning through manipulating the energy transfer from VO <sub>4</sub> <sup>3-</sup> to Eu <sup>3+</sup> in single-phased LuVO <sub>4</sub> :Eu <sup>3+</sup> phosphors. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 390-398	7.1	69
90	Plasmonic enhancement and polarization dependence of nonlinear upconversion emissions from single gold nanorod@SiO <sub>2</sub> @CaF <sub>2</sub> :Yb,Er hybrid core-shell-satellite nanostructures. <i>Light: Science and Applications</i> , <b>2017</b> , 6, e16217	16.7	110
89	Metal-Substrate-Mediated Plasmon Hybridization in a Nanoparticle Dimer for Photoluminescence Line-Width Shrinking and Intensity Enhancement. <i>ACS Nano</i> , <b>2017</b> , 11, 3067-3080	16.7	81
88	Interband Absorption Enhanced Optical Activity in Discrete Au@Ag Core-Shell Nanocuboids: Probing Extended Helical Conformation of Chemisorbed Cysteine Molecules. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 1303-1308	3.6	20



87	Interband Absorption Enhanced Optical Activity in Discrete Au@Ag Core-Shell Nanocuboids: Probing Extended Helical Conformation of Chemisorbed Cysteine Molecules. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 1283-1288	16.4	56
86	Panchromatic thin perovskite solar cells with broadband plasmonic absorption enhancement and efficient light scattering management by Au@Ag core-shell nanocuboids. <i>Nano Energy</i> , <b>2017</b> , 41, 654-664	17.1	49
85	A comprehensive comparison study on the vibrational and optical properties of CVD-grown and mechanically exfoliated few-layered WS <sub>2</sub> . <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 11239-11245	7.1	24
84	Radial anisotropy from a geometric viewpoint: Topological singularity and effective medium realization. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	9
83	Plasmonic Dual-Enhancement and Precise Color Tuning of Gold Nanorod@SiO <sub>2</sub> Coupled Core-Shell Upconversion Nanocrystals. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1701842	15.6	87
82	Plasmonic Black Absorbers for Enhanced Photocurrent of Visible-Light Photocatalysis. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1600399	8.1	20
81	Grating-coupled Otto configuration for hybridized surface phonon polariton excitation for local refractive index sensitivity enhancement. <i>Optics Express</i> , <b>2016</b> , 24, 19517-30	3.3	16
80	Mechanistic Understanding of Excitation-Related Nonlinear Optical Properties in MoS <sub>2</sub> Nanosheets and Nanodots: The Role of Exciton Resonance. <i>ACS Photonics</i> , <b>2016</b> , 3, 2434-2444	6.3	31
79	Ultrabroadband Optical Superchirality in a 3D Stacked-Patch Plasmonic Metamaterial Designed by Two-Step Glancing Angle Deposition. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 7807-7816	15.6	40
78	Enhanced Photoelectrical Response of Hydrogenated Amorphous Silicon Single-Nanowire Solar Cells by Front-Opening Crescent Design. <i>Nanoscale Research Letters</i> , <b>2016</b> , 11, 233	5	11
77	Vertically-Aligned Single-Crystal Nanocone Arrays: Controlled Fabrication and Enhanced Field Emission. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 472-9	9.5	27
76	Hybrid plasmonic gap modes in metal film-coupled dimers and their physical origins revealed by polarization resolved dark field spectroscopy. <i>Nanoscale</i> , <b>2016</b> , 8, 7119-26	7.7	51
75	Polarization-Independent Multiple Fano Resonances in Plasmonic Nanomaterials for Multimode-Matching Enhanced Multiband Second-Harmonic Generation. <i>ACS Nano</i> , <b>2016</b> , 10, 1442-53	16.7	111
74	Surface plasmonic spectroscopy revealing the oxidation dynamics of copper nanowires embedded in polycarbonate ion-track templates. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 3956-3962	7.1	11
73	Clam-inspired nanoparticle immobilization method using adhesive tape as microchip substrate. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 222, 106-111	8.5	17
72	Highly Ordered Ag/Cu Hybrid Nanostructure Arrays for Ultrasensitive Surface-Enhanced Raman Spectroscopy. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1600115	4.6	19
71	Pronounced Fano Resonance in Single Gold Split Nanodisks with 15 nm Split Gaps for Intensive Second Harmonic Generation. <i>ACS Nano</i> , <b>2016</b> , 10, 11105-11114	16.7	96
70	Band-Gap Modulation in Single Bi <sup>3+</sup> -Doped Yttrium-Scandium-Niobium Vanadates for Color Tuning over the Whole Visible Spectrum. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 2692-2703	9.6	202

69	Strong competition between electromagnetic enhancement and surface-energy-transfer induced quenching in plasmonic dye-sensitized solar cells: A generic yet controllable effect. <i>Nano Energy</i> , <b>2016</b> , 26, 297-304	17.1	22
68	Excitonic quantum confinement modified optical conductivity of monolayer and few-layered MoS <sub>2</sub> . <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 8822-8828	7.1	35
67	Recoverable and Unrecoverable Bi <sup>3+</sup> -Related Photoemissions Induced by Thermal Expansion and Contraction in LuVO <sub>4</sub> :Bi <sup>3+</sup> and ScVO <sub>4</sub> :Bi <sup>3+</sup> Compounds. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 7807-7815	9.6	100
66	Experimental Realization of Extreme Heat Flux Concentration with Easy-to-Make Thermal Metamaterials. <i>Scientific Reports</i> , <b>2015</b> , 5, 11552	4.9	60
65	Cyanide-free preparation of gold nanowires: controlled crystallinity, crystallographic orientation and enhanced field emission. <i>RSC Advances</i> , <b>2015</b> , 5, 32103-32109	3.7	2
64	Omnidirectional absorption enhancement of symmetry-broken crescent-deformed single-nanowire photovoltaic cells. <i>Nano Energy</i> , <b>2015</b> , 13, 9-17	17.1	23
63	Temporal broadening of attosecond photoelectron wavepackets from solid surfaces. <i>Optica</i> , <b>2015</b> , 2, 383	8.6	21
62	Optically-Triggered Nanoscale Memory Effect in a Hybrid Plasmonic-Phase Changing Nanostructure. <i>ACS Photonics</i> , <b>2015</b> , 2, 1306-1313	6.3	84
61	Surface Plasmon Polariton Cross-Coupling Enhanced Forward Emission from Insulator-Metal-Capped ZnO Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 23496-500	9.5	4
60	Searching for magnetism in pyrrolic N-doped graphene synthesized via hydrothermal reaction. <i>Carbon</i> , <b>2015</b> , 84, 460-468	10.4	75
59	Simultaneous excitation and emission enhancements in upconversion luminescence using plasmonic double-resonant gold nanorods. <i>Scientific Reports</i> , <b>2015</b> , 5, 15235	4.9	55
58	Photoluminescence enhancement in few-layer WS <sub>2</sub> films via Au nanoparticles. <i>AIP Advances</i> , <b>2015</b> , 5, 067148	1.5	22
57	Hierarchical porous plasmonic metamaterials for reproducible ultrasensitive surface-enhanced Raman spectroscopy. <i>Advanced Materials</i> , <b>2015</b> , 27, 1090-6	24	162
56	Solution-processable reduced graphene oxide films as broadband terahertz wave impedance matching layers. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 2548-2556	7.1	33
55	Spectral Shaping: Shaping the Emission Spectral Profile of Quantum Dots with Periodic Dielectric and Metallic Nanostructures (Advanced Optical Materials 1/2014). <i>Advanced Optical Materials</i> , <b>2014</b> , 2, 2-2	8.1	
54	Effects of surface roughness of Ag thin films on surface-enhanced Raman spectroscopy of graphene: spatial nonlocality and physisorption strain. <i>Nanoscale</i> , <b>2014</b> , 6, 1311-7	7.7	90
53	Plasmonic Fano resonances in nanohole quadrumers for ultra-sensitive refractive index sensing. <i>Nanoscale</i> , <b>2014</b> , 6, 4705-15	7.7	108
52	Enhanced Photoresponsivity of a Germanium Single-Nanowire Photodetector Confined within a Superwavelength Metallic Slit. <i>ACS Photonics</i> , <b>2014</b> , 1, 483-488	6.3	13



51	Bifunctional Au@Pt core-shell nanostructures for in situ monitoring of catalytic reactions by surface-enhanced Raman scattering spectroscopy. <i>Nanoscale</i> , <b>2014</b> , 6, 9063-70	7.7	74
50	Unveiling the correlation between nanometer-thick molecular monolayer sensitivity and near-field enhancement and localization in coupled plasmonic oligomers. <i>ACS Nano</i> , <b>2014</b> , 8, 9188-98	16.7	45
49	Ultrahigh refractive index sensing performance of plasmonic quadrupole resonances in gold nanoparticles. <i>Nanoscale Research Letters</i> , <b>2014</b> , 9, 187	5	27
48	Quantitative SERS detection of low-concentration aromatic polychlorinated biphenyl-77 and 2,4,6-trinitrotoluene. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 280, 706-12	12.8	36
47	In situ SERS monitoring of photocatalytic organic decomposition using recyclable TiO <sub>2</sub> -coated Ag nanowire arrays. <i>Applied Surface Science</i> , <b>2014</b> , 301, 351-357	6.7	47
46	Plasmon gap mode-assisted third-harmonic generation from metal film-coupled nanowires. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 261105	3.4	19
45	Three-dimensional visible-light capsule enclosing perfect supersized darkness via antiresolution. <i>Laser and Photonics Reviews</i> , <b>2014</b> , 8, 743-749	8.3	15
44	Shaping the Emission Spectral Profile of Quantum Dots with Periodic Dielectric and Metallic Nanostructures. <i>Advanced Optical Materials</i> , <b>2014</b> , 2, 56-64	8.1	16
43	Beyond the hybridization effects in plasmonic nanoclusters: diffraction-induced enhanced absorption and scattering. <i>Small</i> , <b>2014</b> , 10, 576-83	11	29
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41	Efficient energy exchange between plasmon and cavity modes via Rabi-analogue splitting in a hybrid plasmonic nanocavity. <i>Nanoscale</i> , <b>2013</b> , 5, 9129-33	7.7	23
40	Extended homogeneous nanoripple formation during interaction of high-intensity few-cycle pulses with a moving silicon wafer. <i>Applied Physics A: Materials Science and Processing</i> , <b>2013</b> , 112, 457-462	2.6	6
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34	Mapping plasmonic near-field profiles and interferences by surface-enhanced Raman scattering. <i>Scientific Reports</i> , <b>2013</b> , 3, 3064	4.9	45

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32	Subgroup decomposition of plasmonic resonances in hybrid oligomers: modeling the resonance lineshape. <i>Nano Letters</i> , <b>2012</b> , 12, 2101-6	11.5	136
31	Numerical and analytical evaluations of the sensing sensitivity of waveguide mode in one-dimensional metallic gratings. <i>Nanotechnology</i> , <b>2012</b> , 23, 275501	3.4	8
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20	Asymmetric Propagation of Optical Signals in Graded Plasmonic Chains. <i>Plasmonics</i> , <b>2011</b> , 6, 19-27	2.4	3
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17	Single-particle plasmon resonance spectroscopy of phase transition in vanadium dioxide. <i>Optics Letters</i> , <b>2010</b> , 35, 3988-90	3	57
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