

Plasmonic Surface Lattice Resonances: A Review of Progress

Chemical Reviews

118, 5912-5951

DOI: [10.1021/acs.chemrev.8b00243](https://doi.org/10.1021/acs.chemrev.8b00243)

Citation Report

#	ARTICLE	IF	CITATIONS
2	Enhanced photoluminescence and directional white-light generation by plasmonic array. Journal of Applied Physics, 2018, 124, .	1.1	29
3	Excitation of surface plasmons with a long oscillation lifetime using silicon nanophotonic devices: A strong coupling system. Applied Physics Express, 2018, 11, 114002.	1.1	2
4	Plasmonicâ€“Diffractive Hybrid Sensors Based on a Gold Nanoprism Array. ACS Applied Nano Materials, 2018, 1, 5994-5999.	2.4	12
5	Strong Plasmonâ€“Exciton Coupling with Directional Absorption Features in Optically Thin Hybrid Nanohole Metasurfaces. ACS Photonics, 2018, 5, 4046-4055.	3.2	37
6	Distinguishable Plasmonic Nanoparticle and Gap Mode Properties in a Silver Nanoparticle on a Gold Film System Using Three-Dimensional FDTD Simulations. Nanomaterials, 2018, 8, 582.	1.9	32
7	Tuning the Polarization and Directionality of Photoluminescence of Achiral Quantum Dot Films with Chiral Nanorod Dimer Arrays: Implications for Luminescent Applications. ACS Applied Nano Materials, 2019, 2, 5681-5687.	2.4	15
8	Engineering Symmetryâ€“Breaking Nanocrescent Arrays for Nanolasing. Advanced Functional Materials, 2019, 29, 1904157.	7.8	34
9	Impedance Model of Cylindrical Nanowires for Metamaterial Applications. Nanomaterials, 2019, 9, 1104.	1.9	8
10	Alloying: A Platform for Metallic Materials with On-Demand Optical Response. Accounts of Chemical Research, 2019, 52, 2881-2891.	7.6	38
11	Coherent optical coupling of plasmonic dipoles in metallic nanoislands with random sizes and shapes. Journal of Materials Chemistry C, 2019, 7, 9678-9685.	2.7	6
12	Vibrational Strong Coupling with Surface Plasmons and the Presence of Surface Plasmon Stop Bands. ACS Photonics, 2019, 6, 2110-2116.	3.2	35
13	Electrically driven flexible 2D plasmonic structure based on a nematic liquid crystal. Journal Physics D: Applied Physics, 2019, 52, 415106.	1.3	14
14	Mechanotunable Surface Lattice Resonances in the Visible Optical Range by Soft Lithography Templates and Directed Self-Assembly. ACS Applied Materials & Interfaces, 2019, 11, 28189-28196.	4.0	72
15	Light-emitting metasurfaces. Nanophotonics, 2019, 8, 1151-1198.	2.9	166
16	Surface Lattice Resonances in Self-Assembled Arrays of Monodisperse Ag Cuboctahedra. ACS Nano, 2019, 13, 9038-9047.	7.3	36
17	Tunable magnetoplasmonics in lattices of Ni/SiO ₂ /Au dimers. Scientific Reports, 2019, 9, 9907.	1.6	14
18	Modifying Plasmonic-Field Enhancement and Resonance Characteristics of Spherical Nanoparticles on Metallic Film: Effects of Faceting Spherical Nanoparticle Morphology. Coatings, 2019, 9, 387.	1.2	15
19	Infrared plasmonic meta-modes via near-field coupling of metallic nanorods with split-ring resonators. Nanotechnology, 2019, 30, 395203.	1.3	2

#	ARTICLE	IF	CITATIONS
20	Optoplasmonics: basic principles and applications. Journal of Optics (United Kingdom), 2019, 21, 113001.	1.0	30
21	Hybrid plasmonic metasurfaces. Journal of Applied Physics, 2019, 126, .	1.1	19
22	A review of 2D and 3D plasmonic nanostructure array patterns: fabrication, light management and sensing applications. Nanophotonics, 2019, 8, 2065-2089.	2.9	275
23	Manipulating Light-Matter Interactions in Plasmonic Nanoparticle Lattices. Accounts of Chemical Research, 2019, 52, 2997-3007.	7.6	76
24	Broadband perfect metamaterial absorber based on the gallium arsenide grating complex structure. Results in Physics, 2019, 15, 102760.	2.0	14
25	Highly sensitive 3D metamaterial sensor based on diffraction coupling of magnetic plasmon resonances. Results in Physics, 2019, 15, 102791.	2.0	37
26	Exciting Pseudospin-Dependent Edge States in Plasmonic Metasurfaces. ACS Photonics, 2019, 6, 2985-2995.	3.2	29
27	Optical Properties of Bowtie-Type Nanoantennas Integrated Onto a Silicon Waveguide Platform. IEEE Photonics Journal, 2019, 11, 1-19.	1.0	1
28	Coupling of deterministically activated quantum emitters in hexagonal boron nitride to plasmonic surface lattice resonances. Nanophotonics, 2019, 8, 2057-2064.	2.9	18
29	Phonon-polaritonics: enabling powerful capabilities for infrared photonics. Nanophotonics, 2019, 8, 2129-2175.	2.9	113
30	Polarization Controlled Dual Resonant Tera-Hertz Transmission through Asymmetric Aperture Array. , 2019, , .		1
31	Multiresonant High-Q Plasmonic Metasurfaces. Nano Letters, 2019, 19, 6429-6434.	4.5	63
32	Tunable Fluorescence from Dye-Modified DNA-Assembled Plasmonic Nanocube Arrays. Advanced Materials, 2019, 31, e1904448.	11.1	24
33	The SLR-Dependent Negative PBG in 1-D Plasma Photonic Crystal. IEEE Transactions on Plasma Science, 2019, 47, 3986-3990.	0.6	9
34	Plasmonic perfect absorber based on metal nanorod arrays connected with veins. Results in Physics, 2019, 15, 102567.	2.0	53
35	Analysis of the Limits of the Near-Field Produced by Nanoparticle Arrays. ACS Nano, 2019, 13, 10682-10693.	7.3	50
36	Revealing Plasmonic Property Similarities and Differences Between a Nanoparticle on a Metallic Mirror and Free Space Dimer Nanoparticle. Journal of the Korean Physical Society, 2019, 75, 313-318.	0.3	9
37	Dielectric control of localized plasmons in terahertz metamaterials. Photonics and Nanostructures - Fundamentals and Applications, 2019, 37, 100734.	1.0	4

#	ARTICLE	IF	CITATIONS
38	Extended Chiro-optical Near-Field Response of Achiral Plasmonic Lattices. <i>Journal of Physical Chemistry C</i> , 2019, 123, 23620-23627.	1.5	26
39	Discriminating between Coherent and Incoherent Light with Planar Metamaterials. <i>Nano Letters</i> , 2019, 19, 6869-6875.	4.5	15
40	Arrays of Plasmonic Nanoparticle Dimers with Defined Nanogap Spacers. <i>ACS Nano</i> , 2019, 13, 11453-11459.	7.3	38
41	Broadband infrared plasmonic metamaterial absorber with multipronged absorption mechanisms. <i>Optics Express</i> , 2019, 27, 27917.	1.7	38
42	Controlled Gold Nanoparticle Placement into Patterned Polydimethylsiloxane Thin Films via Directed Self-Assembly. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-11.	1.5	4
43	Exploration of elastomeric and polymeric liquid crystals with photothermal actuation: A review. <i>European Polymer Journal</i> , 2019, 121, 109287.	2.6	25
44	Ultrafast Modulation of Exciton-Plasmon Coupling in a Monolayer WS ₂ /Ag Nanodisk Hybrid System. <i>ACS Photonics</i> , 2019, 6, 2832-2840.	3.2	52
45	Hybridized plasmon modes in a system of metal thin film-nanodisk array. <i>Journal of Applied Physics</i> , 2019, 126, .	1.1	21
46	Super-plasmonic cavity resonances in arrays of flat metallic nanoantennas. <i>Journal of Optics (United Kingdom)</i> , 2019, 15, 190101.	1.0	10
47	Finite-size effects on periodic arrays of nanostructures. <i>J Phys Photonics</i> , 2019, 1, 015004.	2.2	51
48	Tunable Lattice Plasmon Resonances in 1D Nan gratings. <i>ACS Photonics</i> , 2019, 6, 322-326.	3.2	44
49	Symmetry Breaking in Oligomer Surface Plasmon Lattice Resonances. <i>Nano Letters</i> , 2019, 19, 1922-1930.	4.5	37
50	Multipole analysis of dielectric metasurfaces composed of nonspherical nanoparticles and lattice invisibility effect. <i>Physical Review B</i> , 2019, 99, .	1.1	126
51	Analytical model of resonant electromagnetic dipole-quadrupole coupling in nanoparticle arrays. <i>Physical Review B</i> , 2019, 99, .	1.1	66
52	Effect of thermal post-treatment on surface plasmon resonance characteristics of gold nanoparticles formed in glass by UV laser irradiation. <i>Journal of Alloys and Compounds</i> , 2019, 803, 354-363.	2.8	9
53	Surface Lattice Resonances in THz Metamaterials. <i>Photonics</i> , 2019, 6, 75.	0.9	34
54	Lattice resonances in dielectric metasurfaces. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	87
55	Lattice Resonances in Transdimensional WS ₂ Nanoantenna Arrays. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2005.	1.3	13

#	ARTICLE	IF	CITATIONS
56	Nonlinear plasmonic metasurfaces. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2019, 28, 1950001.	1.1	8
57	Phase-Responsive Fourier Nanotransducers for Probing 2D Materials and Functional Interfaces. <i>Advanced Functional Materials</i> , 2019, 29, 1902692.	7.8	18
58	Spectral-band replication phenomenon in a single pair of hybrid metal-organic nanospheres and nanodisks caused by plexcitonic coupling. <i>Optics Express</i> , 2019, 27, 11783.	1.7	11
59	Multipole Resonances in Transdimensional Lattices of Plasmonic and Silicon Nanoparticles. <i>MRS Advances</i> , 2019, 4, 713-722.	0.5	15
60	Photonic and plasmonic coupling of metallic nanoantenna supercells: Plasmonic lattices with hybrid cavity modes. <i>Optics Communications</i> , 2019, 444, 93-99.	1.0	2
61	Local field enhancement and its wavelength tuning in metal nanoparticle arrays. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 030910.	0.8	0
62	Multifunctional Metasurfaces Based on Direct Nanoimprint of Titania Sol-Gel Coatings. <i>Advanced Optical Materials</i> , 2019, 7, 1801406.	3.6	36
63	High-Density Plasmonic Nanoparticle Arrays Deposited on Nanoporous Anodic Alumina Templates for Optical Sensor Applications. <i>Nanomaterials</i> , 2019, 9, 531.	1.9	16
64	IR-Driven strong plasmonic-coupling on Ag nanorices/W18O49 nanowires heterostructures for photo/thermal synergistic enhancement of H2 evolution from ammonia borane. <i>Applied Catalysis B: Environmental</i> , 2019, 252, 164-173.	10.8	176
65	Lasing in Ni Nanodisk Arrays. <i>ACS Nano</i> , 2019, 13, 5686-5692.	7.3	40
66	Super-resolution Mapping of Enhanced Emission by Collective Plasmonic Resonances. <i>ACS Nano</i> , 2019, 13, 4514-4521.	7.3	30
67	Polarization-Dependent Lasing Behavior from Low-Symmetry Nanocavity Arrays. <i>ACS Nano</i> , 2019, 13, 7435-7441.	7.3	45
68	In-Plane Surface Lattice and Higher Order Resonances in Self-Assembled Plasmonic Monolayers: From Substrate-Supported to Free-Standing Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16096-16106.	4.0	24
69	Lithium Niobate Metasurfaces. <i>Laser and Photonics Reviews</i> , 2019, 13, 1800312.	4.4	52
70	Spatial Intensity Distribution in Plasmonic Particle Array Lasers. <i>Physical Review Applied</i> , 2019, 11, .	1.5	8
71	Fourier modal method for the description of nanoparticle lattices in the dipole approximation. <i>Physical Review B</i> , 2019, 99, .	1.1	28
72	Light-Driven Self-Healing of Nanoparticle-Based Metamolecules. <i>Angewandte Chemie</i> , 2019, 131, 4971-4976.	1.6	5
73	Light-Driven Self-Healing of Nanoparticle-Based Metamolecules. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4917-4922.	7.2	18

#	ARTICLE	IF	CITATIONS
74	Collective lattice resonances in disordered and quasi-random all-dielectric metasurfaces. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, E21.	0.9	28
75	Method of Analytical Regularization Based on the Static Part Inversion in the H-Wave Scattering by a PEC Strip Grating on Top of a Dielectric Substrate. , 2019, , .		0
76	Surface-plasmon-polariton-driven narrow-linewidth magneto-optics in Ni nanodisk arrays. <i>Nanophotonics</i> , 2020, 9, 113-121.	2.9	11
77	Narrow plasmonic surface lattice resonances with preference to asymmetric dielectric environment. <i>Optics Express</i> , 2019, 27, 25384.	1.7	36
78	Footprint of plexcitonic states in low-power green-blue plasmonic random laser. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	11
79	Ag Ion Soldering: An Emerging Tool for Sub-nanometric Plasmon Coupling and Beyond. <i>Accounts of Chemical Research</i> , 2019, 52, 3442-3454.	7.6	16
80	Towards Efficient Nonlinear Plasmonic Metasurfaces. , 2019, , .		0
81	Giant Tunable Circular Dichroism of Large-Area Extrinsic Chiral Metal Nanocrescent Arrays. <i>Nanoscale Research Letters</i> , 2019, 14, 388.	3.1	16
82	Coupled Plasmon Modes in 2D Gold Nanoparticle Clusters and Their Effect on Local Temperature Control. <i>Journal of Physical Chemistry C</i> , 2019, 123, 30594-30603.	1.5	38
83	Trapped-mode resonances in all-metallic metasurfaces comprising rectangular-hole dimers with broken symmetry. <i>Journal of Applied Physics</i> , 2019, 126, .	1.1	10
84	Fabrication and Characterization of a Metallic-Dielectric Nanorod Array by Nanosphere Lithography for Plasmonic Sensing Application. <i>Nanomaterials</i> , 2019, 9, 1691.	1.9	80
85	Tunable Plasmonics by Self-Assembled Stretchable Superlattices on Macroscopic Scale. , 2019, , .		1
86	Lattice Zenneck Modes on Subwavelength Antennas. <i>Laser and Photonics Reviews</i> , 2019, 13, 1800267.	4.4	21
87	Towards efficient photon management in nanostructured solar cells: Role of 2D layered transition metal dichalcogenide semiconductors. <i>Solar Energy Materials and Solar Cells</i> , 2019, 192, 16-23.	3.0	34
88	Engineering mode hybridization in regular arrays of plasmonic nanoparticles embedded in 1D photonic crystal. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 224, 303-308.	1.1	22
89	Enhanced Quality Factors of Surface Lattice Resonances in Plasmonic Arrays of Nanoparticles. <i>Advanced Optical Materials</i> , 2019, 7, 1801451.	3.6	67
90	Tailoring the spatial localization of bound state in the continuum in plasmonic-dielectric hybrid system. <i>Nanophotonics</i> , 2020, 9, 133-142.	2.9	39
91	Optical properties of symmetry-breaking tetrahedral nanoparticles. <i>Nanoscale</i> , 2020, 12, 832-842.	2.8	13

#	ARTICLE	IF	CITATIONS
92	The Role of Particle Size in the Dispersion Engineering of Plasmonic Arrays. <i>Journal of Physical Chemistry C</i> , 2020, 124, 2104-2112.	1.5	8
93	Lattice Resonances in Optical Metasurfaces With Gain and Loss. <i>Proceedings of the IEEE</i> , 2020, 108, 795-818.	16.4	31
94	Large Scale Fabrication of Ordered Gold Nanoparticle-Epoxy Surface Nanocomposites and Their Application as Label-Free Plasmonic DNA Biosensors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 4804-4814.	4.0	66
95	Microcapsule-Based Visualization Smart Sensors for Damage Detection: Principles and Applications. <i>Advanced Materials Technologies</i> , 2020, 5, 1900832.	3.0	28
96	Mechanotunable Plasmonic Properties of Colloidal Assemblies. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901678.	1.9	39
97	Bamboo decorated with plasmonic nanoparticles for efficient solar steam generation. <i>Applied Thermal Engineering</i> , 2020, 167, 114712.	3.0	105
98	Near-Infrared Tunable Surface Lattice Induced Transparency in a Plasmonic Metasurface. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900204.	4.4	15
99	Self-referenced refractive index sensor based on hybrid mode resonances in 2D metal-dielectric grating. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 145101.	1.3	24
100	Fabry-Pérot Interference Cavity Length Tuned by Plasmonic Nanoparticle Metasurface for Nanophotonic Device Design. <i>ACS Applied Nano Materials</i> , 2020, 3, 10732-10738.	2.4	9
101	Emergent Opportunities with Metallic Alloys: From Material Design to Optical Devices. <i>Advanced Optical Materials</i> , 2020, 8, 2001082.	3.6	10
102	Non-local Field Effects in Nonlinear Plasmonic Metasurfaces. , 2020, , .		1
103	Effect of Ag Nanocube Optomechanical Modes on Plasmonic Surface Lattice Resonances. <i>ACS Photonics</i> , 2020, 7, 3130-3140.	3.2	25
104	A single bottom facet outperforms random multifacets in a nanoparticle-on-metallic-mirror system. <i>Nanoscale</i> , 2020, 12, 22452-22461.	2.8	14
105	Plasmons in two-dimensional lattices of near-field coupled nanoparticles. <i>Physical Review B</i> , 2020, 102, .	1.1	10
106	Resonant Optical Phenomena in Heterogeneous Plasmon Nanostructures of Noble Metals: A Review. <i>Theoretical and Experimental Chemistry</i> , 2020, 56, 67-110.	0.2	11
107	Impact of Incoherent Coupling within Localized Surface Plasmon Resonance on Singlet Oxygen Production in Rose Bengal-Modified Silica-Coated Silver Nanoshells (SiO ₂ @Ag@SiO ₂ -RB). <i>ACS Applied Nano Materials</i> , 2020, 3, 8126-8137.	2.4	8
108	Integrated Molar Chiral Sensing Based on High-Q Metasurface. <i>Nano Letters</i> , 2020, 20, 8696-8703.	4.5	89
109	In Situ Growth of AuNPs on Glass Nanofibers for SERS Sensors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 55349-55361.	4.0	19

#	ARTICLE	IF	CITATIONS
110	Plasmonic Assemblies for Real-Time Single-Molecule Biosensing. <i>Small</i> , 2020, 16, e2003934.	5.2	26
111	Influences on Plasmon Resonance Linewidth in Metal-Insulator-Metal Structures Obtained via Colloidal Self-Assembly. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 56281-56289.	4.0	3
112	Surface Enhanced Raman Scattering on Regular Arrays of Gold Nanostructures: Impact of Long-Range Interactions and the Surrounding Medium. <i>Nanomaterials</i> , 2020, 10, 2201.	1.9	10
113	Label-Free Nucleic Acid Biosensing Using Nanomaterial-Based Localized Surface Plasmon Resonance Imaging: A Review. <i>ACS Applied Nano Materials</i> , 2020, 3, 8506-8521.	2.4	47
114	Surface-enhanced ultrafast two-dimensional vibrational spectroscopy with engineered plasmonic nano-antennas. <i>Journal of Chemical Physics</i> , 2020, 153, 050902.	1.2	13
115	Plasmonic Metasensors Based on 2D Hybrid Atomically Thin Perovskite Nanomaterials. <i>Nanomaterials</i> , 2020, 10, 1289.	1.9	18
116	Near- and mid-infrared plasmonic Fano resonances induced by different geometric configurations in subwavelength nanostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 124, 114345.	1.3	6
117	Ultrafast Optical Generation of Coherent Bright and Dark Surface Phonon Polaritons in Nanowires. <i>ACS Photonics</i> , 2020, 7, 1923-1931.	3.2	2
118	Lattice Rayleigh Anomaly Associated Enhancement of NH and CH Stretching Modes on Gold Metasurfaces for Overtone Detection. <i>Nanomaterials</i> , 2020, 10, 1265.	1.9	7
119	Spatially Broadband Coupled-Surface Plasmon Wave Assisted Transmission Effect in Azo-Dye-Doped Liquid Crystal Cell. <i>Nanomaterials</i> , 2020, 10, 1357.	1.9	1
120	Nanoplasmonics in High Pressure Environment. <i>Photonics</i> , 2020, 7, 53.	0.9	6
121	Embossed Mie resonator arrays composed of compacted TiO ₂ nanoparticles for broadband anti-reflection in solar cells. <i>Scientific Reports</i> , 2020, 10, 12527.	1.6	18
122	Nanoparticle lattices with bases: Fourier modal method and dipole approximation. <i>Physical Review B</i> , 2020, 102, .	1.1	23
123	Nanocube Imprint Lithography. <i>ACS Nano</i> , 2020, 14, 11009-11016.	7.3	24
124	Deterministic aperiodic photonic crystal with a 2D array of metallic nanoparticles as polarization-sensitive dichroic filter. <i>Journal of Applied Physics</i> , 2020, 128, .	1.1	13
125	Laser-printed hollow nanostructures for nonlinear plasmonics. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	7
126	Super- and Subradiant Lattice Resonances in Bipartite Nanoparticle Arrays. <i>ACS Nano</i> , 2020, 14, 11876-11887.	7.3	50
127	Surface-Enhanced Circular Dichroism Spectroscopy on Periodic Dual Nanostructures. <i>ACS Photonics</i> , 2020, 7, 2978-2986.	3.2	29

#	ARTICLE	IF	CITATIONS
128	Influence of order-to-disorder transitions on the optical properties of the aluminum plasmonic metasurface. <i>Nanoscale</i> , 2020, 12, 23173-23182.	2.8	23
129	Two-dimensional graphene-plasmonic crystals for all-optical switch applications. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	1.5	5
130	Tuning plasmonic field enhancement and transients by far-field coupling between nanostructures. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	3
131	Influence of cavity geometry towards plasmonic gap tolerance and respective near-field in nanoparticle-on-mirror. <i>Current Applied Physics</i> , 2020, 20, 1335-1341.	1.1	6
132	Low-Index Contrast Dielectric Lattices on Metal for Refractometric Sensing. <i>Advanced Optical Materials</i> , 2020, 8, 2000877.	3.6	21
133	A Microorganism Bred TiO ₂ /Au/TiO ₂ Heterostructure for Whispering Gallery Mode Resonance Assisted Plasmonic Photocatalysis. <i>ACS Nano</i> , 2020, 14, 13876-13885.	7.3	54
134	Surface-enhanced Raman spectroscopy for chemical and biological sensing using nanoplasmonics: The relevance of interparticle spacing and surface morphology. <i>Applied Physics Reviews</i> , 2020, 7, .	5.5	82
135	Ultrannarrow plasmon resonances from annealed nanoparticle lattices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23380-23384.	3.3	80
136	Development and initial applications of an e-ReaxFF description of Ag nanoclusters. <i>Journal of Chemical Physics</i> , 2020, 153, 104106.	1.2	14
137	Nanostructured Color Filters: A Review of Recent Developments. <i>Nanomaterials</i> , 2020, 10, 1554.	1.9	15
138	Terahertz range resonances of metasurface formed by double-layer grating of microsize graphene strips inside dielectric slab. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2020, 476, .	1.0	17
139	Strong Exciton-Plasmon Coupling in Waveguide-Based Plexcitonic Nanostructures. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 2000266.	0.7	3
140	Hybrid Plasmonics and Two-Dimensional Materials: Theory and Applications. <i>Journal of Molecular and Engineering Materials</i> , 2020, 08, 2030001.	0.9	4
141	Improving the Plasmonic Response of Silver Nanoparticle Arrays via Atomic Layer Deposition Coating and Annealing above the Melting Point. <i>Journal of Physical Chemistry C</i> , 2020, 124, 27687-27693.	1.5	9
142	Fano-Shape Lattice-Mode Resonances and Near Fields in the E-Polarized Wave Scattering by a PEC Strip Grating on a Dielectric Substrate. , 2020, , .		0
143	Nonvolatile, Reconfigurable and Narrowband Mid-Infrared Filter Based on Surface Lattice Resonance in Phase-Change Ge ₂ Sb ₂ Te ₅ . <i>Nanomaterials</i> , 2020, 10, 2530.	1.9	21
144	Photoluminescence spectra of SiC waveguide in the presence of two-dimensional plasmonic lattice of gold nanoparticles. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
145	Carrier Density, Effective Mass, and Nuclear Relaxation Pathways in Plasmonic Sn:In ₂ O ₃ Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2020, 124, 28220-28229.	1.5	9

#	ARTICLE	IF	CITATIONS
146	Dipole approximation for plasmonic lattices in layered structures. AIP Conference Proceedings, 2020, , .	0.3	0
147	Thickness-Independent Narrow Resonance in a Stack of Plasmonic Lattices. Physical Review Applied, 2020, 14, .	1.5	7
148	Surface Lattice Resonances in Self-Assembled Gold Nanoparticle Arrays: Impact of Lattice Period, Structural Disorder, and Refractive Index on Resonance Quality. Langmuir, 2020, 36, 13601-13612.	1.6	32
149	Enhanced Light Emission by Magnetic and Electric Resonances in Dielectric Metasurfaces. Advanced Optical Materials, 2020, 8, 1902024.	3.6	56
150	Controlling angular dispersions in optical metasurfaces. Light: Science and Applications, 2020, 9, 76.	7.7	95
151	Bianisotropy for light trapping in all-dielectric metasurfaces. Physical Review B, 2020, 101, .	1.1	42
152	Bound States in the Continuum in Anisotropic Plasmonic Metasurfaces. Nano Letters, 2020, 20, 6351-6356.	4.5	212
153	Mode coupling in arrays of Al nanoparticles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 248, 106961.	1.1	10
154	Numerical simulations on laser absorption enhancement in hybrid metallo-dielectric nanostructured targets for future nuclear astrophysics experiments. AIP Advances, 2020, 10, 045020.	0.6	2
155	Near-Field Spectroscopy of Cylindrical Phonon-Polariton Antennas. ACS Nano, 2020, 14, 8508-8517.	7.3	11
156	“Colloid” Atom Duality in the Assembly Dynamics of Concave Gold Nanoarrows. Journal of the American Chemical Society, 2020, 142, 11669-11673.	6.6	19
157	Large-Area Microfluidic Sensors Based on Flat-Optics Au Nanostripe Metasurfaces. Journal of Physical Chemistry C, 2020, 124, 17183-17190.	1.5	10
158	Sub-picosecond thermalization dynamics in condensation of strongly coupled lattice plasmons. Nature Communications, 2020, 11, 3139.	5.8	32
159	Shape-Controlled Hierarchical Flowerlike Au Nanostructure Microarrays by Electrochemical Growth for Surface-Enhanced Raman Spectroscopy Application. Analytical Chemistry, 2020, 92, 9838-9846.	3.2	28
160	Layered Double Hydroxide Nanosheets on Plasmonic Arrays of Al Nanocylinders for Optical Sensing. ACS Applied Nano Materials, 2020, 3, 5838-5845.	2.4	10
161	Controllable Ag Migration To Form One-Dimensional Ag/Ag ₂ S@ZnS for Bifunctional Catalysis. ACS Applied Energy Materials, 2020, 3, 6146-6154.	2.5	18
162	Dual-Wavelength Lasing in Quantum-Dot Plasmonic Lattice Lasers. ACS Nano, 2020, 14, 5223-5232.	7.3	46
163	Lab-on-fiber: plasmonic nano-arrays for sensing. Nanoscale, 2020, 12, 7485-7499.	2.8	84

#	ARTICLE	IF	CITATIONS
164	Perfect Dual-Band Absorber Based on Plasmonic Effect with the Cross-Hair/Nanorod Combination. <i>Nanomaterials</i> , 2020, 10, 493.	1.9	66
165	Diffraction dipolar coupling in non-Bravais plasmonic lattices. <i>Nanoscale Advances</i> , 2020, 2, 1261-1268.	2.2	14
166	Reversible and tunable photochemical switch based on plasmonic structure. <i>Scientific Reports</i> , 2020, 10, 5110.	1.6	16
167	Magnetoplasmonic properties of perpendicularly magnetized [Co/Pt]N nanodots. <i>Physical Review B</i> , 2020, 101, .	1.1	15
168	Unprecedented Surface Plasmon Modes in Monoclinic MoO ₂ Nanostructures. <i>Advanced Materials</i> , 2020, 32, e1908392.	11.1	28
169	Collective Lattice Resonances in All-Dielectric Nanostructures under Oblique Incidence. <i>Photonics</i> , 2020, 7, 24.	0.9	19
170	Strong coupling between organic dye molecules and lattice modes of a dielectric nanoparticle array. <i>Nanophotonics</i> , 2020, 9, 267-276.	2.9	17
171	Gold Nanoparticle Self-Aggregation on Surface with 1,6-Hexanedithiol Functionalization. <i>Nanomaterials</i> , 2020, 10, 512.	1.9	5
172	Applications of Symmetry Breaking in Plasmonics. <i>Symmetry</i> , 2020, 12, 896.	1.1	19
173	Exceptionally narrow plasmonic surface lattice resonances in gold nanohemisphere array. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 465109.	1.3	17
174	In Situ Charge Transfer at the Ag@ZnO Photoelectrochemical Interface toward the High Photocatalytic Performance of H ₂ Evolution and RhB Degradation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 12195-12206.	4.0	130
175	Tailoring spontaneous infrared emission of HgTe quantum dots with laser-printed plasmonic arrays. <i>Light: Science and Applications</i> , 2020, 9, 16.	7.7	45
176	Nanoscale magnetophotonics. <i>Journal of Applied Physics</i> , 2020, 127, .	1.1	95
177	Infrared plasmonics: STEM-EELS characterization of Fabry-Pérot resonance damping in gold nanowires. <i>Physical Review B</i> , 2020, 101, .	1.1	18
178	Ultrahigh Brightening of Infrared PbS Quantum Dots via Collective Energy Transfer Induced by a Metal-Oxide Plasmonic Metastructure. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 11913-11921.	4.0	10
179	H-polarized plane-wave scattering by a PEC strip grating on top of a dielectric substrate: analytical regularization based on the Riemann-Hilbert Problem solution. <i>Journal of Electromagnetic Waves and Applications</i> , 2020, 34, 483-499.	1.0	14
180	Quantum Dot-Plasmon Lasing with Controlled Polarization Patterns. <i>ACS Nano</i> , 2020, 14, 3426-3433.	7.3	66
181	Refractive index mediated plasmon hybridization in an array of aluminium nanoparticles. <i>Nanoscale</i> , 2020, 12, 6394-6402.	2.8	18

#	ARTICLE	IF	CITATIONS
182	Label-Free Biosensors for Laboratory-Based Diagnostics of Infections: Current Achievements and New Trends. <i>Biosensors</i> , 2020, 10, 11.	2.3	56
183	The Surface Plasmon Performance of $\text{I}^2\text{Sn}/\text{RGO}$ Hybrid Nanostructure. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901552.	1.9	0
184	Formation and optical response of self-assembled gold nanoparticle lattices on oxidized silicon synthesized using block copolymers. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2020, 38, .	0.6	5
185	Light Conversion Efficiency of Emitters on Top of Plasmonic and Dielectric Arrays of Nanoparticles. <i>ECS Journal of Solid State Science and Technology</i> , 2020, 9, 011614.	0.9	7
186	Dark mode enhancing magneto-optical Kerr effect in multilayer magnetoplasmonic crystals. <i>Physical Review B</i> , 2020, 101, .	1.1	16
187	Design of a dual-band terahertz metamaterial absorber using two identical square patches for sensing application. <i>Nanoscale Advances</i> , 2020, 2, 763-769.	2.2	221
188	Improving the performance of light-emitting diodes via plasmonic-based strategies. <i>Journal of Applied Physics</i> , 2020, 127, .	1.1	30
189	Plasmonic and chiroplasmonic nanobiosensors based on gold nanoparticles. <i>Talanta</i> , 2020, 212, 120782.	2.9	52
190	Beyond Noble Metals: High Q -Factor Aluminum Nanoplasmonics. <i>ACS Photonics</i> , 2020, 7, 416-424.	3.2	39
191	Modulating plasmonic signatures of gold nanoparticles by fine tuning of surface roughness. <i>Materials Today: Proceedings</i> , 2020, 28, 16-18.	0.9	0
192	Making Permanent Optical Matter of Plasmonic Nanoparticles by in Situ Photopolymerization. <i>Journal of Physical Chemistry C</i> , 2020, 124, 4215-4220.	1.5	5
193	Plasmonics for Telecommunications Applications. <i>Sensors</i> , 2020, 20, 2488.	2.1	18
194	Reusable Au/Pd-coated chestnut-like copper oxide SERS substrates with ultra-fast self-recovery. <i>Applied Surface Science</i> , 2020, 517, 146205.	3.1	25
195	Multiphoton Absorption and Graphitization in Poly(methyl methacrylate)-Coated Aluminum Nanoantenna Arrays. <i>Journal of Physical Chemistry C</i> , 2020, 124, 8930-8937.	1.5	2
196	Fano-Resonant, Asymmetric, Metamaterial-Assisted Tweezers for Single Nanoparticle Trapping. <i>Nano Letters</i> , 2020, 20, 3388-3395.	4.5	52
197	Tailoring Nanoparticle Morphology to Match Application: Growth under Low-Intensity Polychromatic Light Irradiation Governs the Morphology and Optical Properties of Silver Nanoparticles. <i>ACS Applied Nano Materials</i> , 2020, 3, 4893-4903.	2.4	15
198	Actuated plasmonic nanohole arrays for sensing and optical spectroscopy applications. <i>Nanoscale</i> , 2020, 12, 9756-9768.	2.8	23
199	Active Nanophotonics. <i>Proceedings of the IEEE</i> , 2020, 108, 628-654.	16.4	40

#	ARTICLE	IF	CITATIONS
200	Chiral Surface Lattice Resonances. <i>Advanced Materials</i> , 2020, 32, e2001330.	11.1	68
201	Coupling effects in dielectric metamaterials. <i>Results in Physics</i> , 2020, 17, 103038.	2.0	5
202	Structural Colors Enabled by Lattice Resonance on Silicon Nitride Metasurfaces. <i>ACS Nano</i> , 2020, 14, 5678-5685.	7.3	91
203	Water-soluble gold nanoparticles: recyclable catalysts for the reduction of aromatic nitro compounds in water. <i>RSC Advances</i> , 2020, 10, 15065-15071.	1.7	11
204	Aluminum for Near Infrared Plasmonics: Amplified Up-Conversion Photoluminescence from Core-Shell Nanoparticles on Periodic Lattices. <i>Advanced Optical Materials</i> , 2021, 9, .	3.6	27
205	Controlling Electric Field and Photoemission at the Tips of Triangular Gold Antennas. <i>Plasmonics</i> , 2021, 16, 371-377.	1.8	6
206	Strategies to improve performances of LSPR biosensing: Structure, materials, and interface modification. <i>Biosensors and Bioelectronics</i> , 2021, 174, 112850.	5.3	90
207	Tunable optical properties of Au nanoparticles encapsulated TiO ₂ spheres and their improved sunlight mediated photocatalytic activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 612, 126011.	2.3	20
208	Improved photothermal therapy of brain cancer cells and photogeneration of reactive oxygen species by biotin conjugated gold photoactive nanoparticles. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 215, 112102.	1.7	7
209	Giant enhancement of third-harmonic generation in graphene-metal heterostructures. <i>Nature Nanotechnology</i> , 2021, 16, 318-324.	15.6	47
210	Chemical sensing with Au and Ag nanoparticles. <i>Chemical Society Reviews</i> , 2021, 50, 1269-1304.	18.7	85
211	Observation of Double Fano Interference in Metal-Insulator Block Arrays. <i>IEEE Photonics Journal</i> , 2021, 13, 1-9.	1.0	0
212	Analytical Modeling and Design of a Graphene Metasurface Sensor for Thermo-Optical Detection of Terahertz Plasmons. <i>IEEE Sensors Journal</i> , 2021, 21, 4525-4532.	2.4	26
213	Generation of a Conjoint Surface Plasmon by an Infrared Nano-Antenna Array. <i>Advanced Photonics Research</i> , 2021, 2, 2000003.	1.7	2
214	Large-area flexible nanostripe electrodes featuring plasmon hybridization engineering. <i>Nano Research</i> , 2021, 14, 858-867.	5.8	3
215	Mode Switching With Waveguide-Coupled Plasmonic Nanogratings. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-10.	1.9	4
216	Multiscale Approach and Analysis for Transient Simulation of Light Interaction With Nonlocal Metallic Nanostructure Arrays. <i>Multiscale Modeling and Simulation</i> , 2021, 19, 921-950.	0.6	0
217	Bioactive engineered photothermal nanomaterials: from theoretical understanding to cutting-edge application strategies in anti-cancer therapy. <i>Materials Chemistry Frontiers</i> , 2021, 5, 5257-5297.	3.2	18

#	ARTICLE	IF	CITATIONS
218	Gold nanoplasmonic particles in tunable porous silicon 3D scaffolds for ultra-low concentration detection by SERS. <i>Nanoscale Horizons</i> , 2021, 6, 781-790.	4.1	23
219	Plasmonic Photoelectrocatalysis in Copper-Platinum Core-Shell Nanoparticle Lattices. <i>Nano Letters</i> , 2021, 21, 1523-1529.	4.5	44
220	High-Q Plasmonic Resonances: Fundamentals and Applications. <i>Advanced Optical Materials</i> , 2021, 9, 2001520.	3.6	98
221	Stick-and-play metasurfaces for directional light outcoupling. <i>Applied Physics Letters</i> , 2021, 118, 021110.	1.5	10
222	High-Q Plasmonic Crystal Laser for Ultra-Sensitive Biomolecule Detection. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-7.	1.9	4
223	Introducing cobalt as a potential plasmonic candidate combining optical and magnetic functionalities within the same nanostructure. <i>Nanoscale</i> , 2021, 13, 2639-2647.	2.8	11
224	Resonance-trapped bound states in the continuum in metallic THz metasurfaces. <i>Optics Letters</i> , 2021, 46, 162.	1.7	36
225	Plasmon Sensors, Its Structure and Functions. , 2021, , .		0
226	Molecularly Imprinted Polymer-Based Optical Sensors for Pesticide Determination. , 2021, , 93-115.		2
227	Enhancing plasmonic hot-carrier generation by strong coupling of multiple resonant modes. <i>Nanoscale</i> , 2021, 13, 2792-2800.	2.8	13
228	A Label-Free and Anti-Interference Dual-Channel SPR Fiber Optic Sensor With Self-Compensation for Biomarker Detection. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-7.	2.4	17
229	Experimental validation of a modeling framework for upconversion enhancement in 1D-photonic crystals. <i>Nature Communications</i> , 2021, 12, 104.	5.8	22
230	Multipole lattice effects in high refractive index metasurfaces. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	56
231	Large-Scale Soft-Lithographic Patterning of Plasmonic Nanoparticles. , 2021, 3, 282-289.		11
232	Pole-based analysis of coupled modes in metal-insulator-metal plasmonic structures. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 776.	0.9	2
233	Plasmonic refractive index sensing enhanced by anapole modes in metal-dielectric nanostructure array. <i>Journal of Optics (United Kingdom)</i> , 2021, 23, 035002.	1.0	9
234	Plasmonic Charge Transfers in Large-Scale Metallic and Colloidal Photonic Crystal Slabs. <i>Advanced Functional Materials</i> , 2021, 31, 2011099.	7.8	22
235	E-polarized plane-wave scattering from a PEC strip grating on a dielectric substrate: analytical regularization and lattice-mode resonances. <i>Journal of Electromagnetic Waves and Applications</i> , 0, , 1-18.	1.0	2

#	ARTICLE	IF	CITATIONS
236	Room-Temperature Coupling of Single Photon Emitting Quantum Dots to Localized and Delocalized Modes in a Plasmonic Nanocavity Array. ACS Photonics, 2021, 8, 576-584.	3.2	12
237	Beyond plasmonic enhancement of the transverse magneto-optical Kerr effect with low-loss high-refractive-index nanostructures. Physical Review B, 2021, 103, .	1.1	18
238	Ultra-high-Q resonances in plasmonic metasurfaces. Nature Communications, 2021, 12, 974.	5.8	212
239	Low Field Gradient and Highly Enhanced Plasmonic Nanocavity Array for Supersensitive Determination of Multiple Hazardous Chemical Residues. Journal of Physical Chemistry C, 2021, 125, 4710-4719.	1.5	6
240	Optically active quadrupole edge modes in arrays of flat metallic nanodisks. Journal of Optics (United Kingdom), 2021, 18, 160101.	1.6	1
241	Nonvolatile and reconfigurable tuning of surface lattice resonances using phase-change Ge ₂ Sb ₂ Te ₅ thin films. Results in Physics, 2021, 22, 103897.	2.0	6
242	Crystalline Silicon White Light Sources Driven by Optical Resonances. Nano Letters, 2021, 21, 2397-2405.	4.5	21
243	Ultralong phase-correlated networks of plasmonic nanoantennas coherently driven by photonic modes. Applied Materials Today, 2021, 22, 100932.	2.3	6
244	Identification of Brillouin Zones by In-Plane Lasing from Light-Cone Surface Lattice Resonances. ACS Nano, 2021, 15, 5567-5573.	7.3	15
245	Gate-Tunable Plasmon-Enhanced Photodetection in a Monolayer MoS ₂ Phototransistor with Ultrahigh Photoresponsivity. Nano Letters, 2021, 21, 3083-3091.	4.5	68
246	High-Q quadrupolar plasmonic lattice resonances in horizontal metal-insulator-metal gratings. Optics Letters, 2021, 46, 1546.	1.7	24
247	Using the near field optical trapping effect of a dielectric metasurface to improve SERS enhancement for virus detection. Scientific Reports, 2021, 11, 6873.	1.6	14
248	Tuning Electrogenerated Chemiluminescence Intensity Enhancement Using Hexagonal Lattice Arrays of Gold Nanodisks. Journal of Physical Chemistry Letters, 2021, 12, 2516-2522.	2.1	10
249	Up-conversion Luminescence Enhanced by the Plasmonic Lattice Resonating at the Transparent Window of Water. ACS Applied Energy Materials, 2021, 4, 2999-3007.	2.5	14
250	Multipolar Lattice Resonances in Plasmonic Finite-Size Metasurfaces. Photonics, 2021, 8, 109.	0.9	10
251	Optically Tunable Mie Resonance VO ₂ Nanoantennas for Metasurfaces in the Visible. ACS Photonics, 2021, 8, 1048-1057.	3.2	52
252	Strain Sensor via Wood Anomalies in 2D Dielectric Array. Nanomaterials, 2021, 11, 1022.	1.9	1
253	Evolutionary optimization of light-matter coupling in open plasmonic cavities. Journal of Chemical Physics, 2021, 154, 134110.	1.2	7

#	ARTICLE	IF	CITATIONS
254	Direct Laser Writing for the Formation of Large-Scale Gold Microbumps Arrays Generating Hybrid Lattice Plasmon Polaritons in Vis-NIR Range. <i>Advanced Optical Materials</i> , 2021, 9, 2100027.	3.6	12
255	Oxidation pathway to the titanium dioxide metasurface for harnessing photoluminescence. <i>Journal of Applied Physics</i> , 2021, 129, 163101.	1.1	8
256	Recent Advances in Fabrication of Well-Organized Protein-Based Nanostructures. <i>ACS Applied Bio Materials</i> , 2021, 4, 4039-4048.	2.3	6
257	Nanogap plasmonic field enhancement on hydrogen-absorbing transition metals. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 14581-14591.	3.8	4
258	Anapole-Assisted Absorption Engineering in Arrays of Coupled Amorphous Gallium Phosphide Nanodisks. <i>ACS Photonics</i> , 2021, 8, 1469-1476.	3.2	29
259	Bottlebrush polymers: From controlled synthesis, self-assembly, properties to applications. <i>Progress in Polymer Science</i> , 2021, 116, 101387.	11.8	138
260	Block Copolymer Directed Metamaterials and Metasurfaces for Novel Optical Devices. <i>Advanced Optical Materials</i> , 2021, 9, 2100175.	3.6	47
261	Influence of Incidence Angle and Light Polarization on the Refractive Index Sensitivity of a Gold-Epoxy Nanocomposites Sensor. , 2021, , .		0
262	Synthesis, Assembly, Optical Properties, and Sensing Applications of Plasmonic Gap Nanostructures. <i>Advanced Materials</i> , 2021, 33, e2006966.	11.1	58
263	Local Surface Plasmon-Assisted Metal Oxide Perovskite Heterostructure for Small Light Emitters. <i>Journal of Physical Chemistry C</i> , 2021, 125, 10565-10571.	1.5	4
264	Optical band engineering via vertical stacking of honeycomb plasmonic lattices. <i>Physical Review B</i> , 2021, 103, .	1.1	3
265	The Beginner's Guide to Chiral Plasmonics: Mostly Harmless Theory and the Design of Large-Area Substrates. <i>Advanced Optical Materials</i> , 2021, 9, 2100378.	3.6	51
266	Electro-optical switch based on one-dimensional graphene-plasmonic crystals. <i>Optical Materials</i> , 2021, 115, 111051.	1.7	9
267	Integrated Infrared Signature Management with Multispectral Selective Absorber via Single-Port Grating Resonance. <i>Advanced Optical Materials</i> , 2021, 9, 2002225.	3.6	13
268	Metallic Plasmonic Array Structures: Principles, Fabrications, Properties, and Applications. <i>Advanced Materials</i> , 2021, 33, e2007988.	11.1	72
269	Photoluminescence from an emitter layer sandwiched between the stack of metasurfaces. <i>Journal of Applied Physics</i> , 2021, 129, 183101.	1.1	11
270	Light scattering and absorption by two-dimensional arrays of nano and micrometer monodisperse spherical silver particles. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021, 266, 107571.	1.1	8
271	Plasmonic enhancement of photocurrent generation in two-dimensional heterostructure of WSe_2/MoS_2 . <i>Nanotechnology</i> , 2021, 32, 325203.	1.3	15

#	ARTICLE	IF	CITATIONS
272	Plasmonic Narrowband Filter Based on an Equilateral Triangular Resonator with a Silver Bar. <i>Photonics</i> , 2021, 8, 244.	0.9	12
273	Plasmonic modulated back reflector for thin film photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , 2021, 225, 110997.	3.0	6
274	Polarization and Phase Textures in Lattice Plasmon Condensates. <i>Nano Letters</i> , 2021, 21, 5262-5268.	4.5	2
275	Hybrid Plasmonic Surface Lattice Resonance Perovskite Lasers on Silver Nanoparticle Arrays. <i>Advanced Optical Materials</i> , 2021, 9, 2100299.	3.6	13
276	Optical Characteristics of Metasurfaces at Meta-Atom Anapole. <i>IEEE Photonics Journal</i> , 2021, 13, 1-7.	1.0	1
277	Collective lattice resonances: Plasmonics and beyond. <i>Reviews in Physics</i> , 2021, 6, 100051.	4.4	108
278	Temperature-tunable Surface Lattice Resonances in Plasmonic Metasurfaces. , 2021, , .		0
279	Complex Metal Nanostructures with Programmable Shapes from Simple DNA Building Blocks. <i>Advanced Materials</i> , 2021, 33, e2100381.	11.1	23
280	Surface Lattice Resonances in Self-templated Plasmonic Honeycomb and Moiré Lattices. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100317.	1.9	8
281	Bowtie-based plasmonic metal nanoparticle complexes to enhance the opto-electronic performance of thin-film solar cells. <i>Applied Optics</i> , 2021, 60, 5094.	0.9	4
282	Electromagnetic characterization of tuneable graphene strips on substrate metasurface over entire THz range: Analytical regularization and natural mode resonance interplay. <i>IET Microwaves, Antennas and Propagation</i> , 2021, 15, 1225-1239.	0.7	23
283	MoS ₂ with Stable Photoluminescence Enhancement under Stretching via Plasmonic Surface Lattice Resonance. <i>Nanomaterials</i> , 2021, 11, 1698.	1.9	4
284	Sensitivity enhancement of two-dimensional WSe ₂ -based photodetectors by ordered Ag plasmonic nanostructures. <i>Applied Physics Express</i> , 2021, 14, 075005.	1.1	6
285	Quantitative Ultrafast Electron Temperature Dynamics in Photo-Excited Au Nanoparticles. <i>Small</i> , 2021, 17, e2100050.	5.2	7
286	The Effect of the Molecular Weight of Polyvinylpyrrolidone and the Model Drug on Laser-Induced In Situ Amorphization. <i>Molecules</i> , 2021, 26, 4035.	1.7	0
287	Adaptive Nanoparticle-Polymer Complexes as Optical Elements: Design and Application in Nanophotonics and Nanomedicine. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000421.	4.4	13
288	Substrate-mediated lattice Kerker effect in Al metasurfaces. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, C78.	0.9	5
289	On the Localized Surface Plasmonic Resonances of AgPd Alloy Nanoparticles by Experiment and Theory. <i>Coatings</i> , 2021, 11, 893.	1.2	3

#	ARTICLE	IF	CITATIONS
290	Enhancing Nonlinear Interactions by the Superposition of Plasmonic Lattices on $\sqrt{2}$ -Nonlinear Photonic Crystals. ACS Photonics, 2021, 8, 2529-2537.	3.2	3
291	Integration of Colloidal Quantum Dots with Photonic Structures for Optoelectronic and Optical Devices. Advanced Science, 2021, 8, e2101560.	5.6	35
292	Narrowband mid-infrared absorber based on a mirror-backed low-index dielectric lattice. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 2306.	0.9	4
293	Mechanically Tunable Lattice-Plasmon Resonances by Templated Self-Assembled Superlattices for Multi-Wavelength Surface-Enhanced Raman Spectroscopy. Small Methods, 2021, 5, e2100453.	4.6	20
294	Quality factor enhancement of plasmonic surface lattice resonance by using asymmetric periods. Chinese Physics B, 0, , .	0.7	2
295	Infrared Open Cavities for Strong Vibrational Coupling. Journal of Physical Chemistry Letters, 2021, 12, 7060-7066.	2.1	14
296	Advances in Biosensors and Diagnostic Technologies Using Nanostructures and Nanomaterials. Advanced Functional Materials, 2021, 31, 2104126.	7.8	77
297	Ultra-narrow-band metamaterial perfect absorber based on surface lattice resonance in a WS_2 nanodisk array. Optics Express, 2021, 29, 27084.	1.7	27
298	Low-Threshold Bound State in the Continuum Lasers in Hybrid Lattice Resonance Metasurfaces. Laser and Photonics Reviews, 2021, 15, 2100118.	4.4	59
299	Mechanically Tunable Nanogap Antennas: Single-Structure Effects and Multi-Structure Applications. Advanced Optical Materials, 2021, 9, 2100326.	3.6	9
300	Hybrid anisotropic plasmonic metasurfaces with multiple resonances of focused light beams. Nano Letters, 2021, 21, 8917-8923.	4.5	76
301	Engineering Plasmonic Colloidal Meta-Molecules for Tunable Photonic Supercrystals. Advanced Optical Materials, 2021, 9, 2100761.	3.6	20
302	Thermoplasmonic effect onto Toad physiology signals by plasmonic microchip structure. Scientific Reports, 2021, 11, 17287.	1.6	1
303	Extraordinary enhancement of the transverse magneto-optical Kerr effect with high-refractive-index nanostructures. , 2021, , .		0
304	Influence of size of Ag NP on spectroscopic performances of Eu ³⁺ ions in sodium borate glass host. Optik, 2021, 240, 166918.	1.4	10
305	Plasmon Coupling in DNA-Assembled Silver Nanoclusters. Journal of the American Chemical Society, 2021, 143, 14573-14580.	6.6	13
306	Porous silicon - A versatile platform for mass-production of ultrasensitive SERS-active substrates. Microporous and Mesoporous Materials, 2021, 323, 111204.	2.2	26
307	Lattice topological edge and corner modes of photonic crystal slabs. Journal of Optics (United Kingdom), 2021, 1, 0784314.	1.0	10

#	ARTICLE	IF	CITATIONS
308	Plexcitonic Quasi-Bound States in the Continuum. <i>Small</i> , 2021, 17, 2102596.	5.2	6
309	Templated Colloidal Self-Assembly for Lattice Plasmon Engineering. <i>Accounts of Materials Research</i> , 2021, 2, 816-827.	5.9	40
310	Design and Optimization of Surface Plasmon Resonance Spectroscopy for Optical Constant Characterization and Potential Sensing Application: Theoretical and Experimental Approaches. <i>Photonics</i> , 2021, 8, 361.	0.9	13
312	Spectroscopic Mueller matrix ellipsometry of a gap surface plasmon array at conical incidences. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 2551.	0.9	2
313	Double-Antibody Sandwich Immunoassay and Plasmonic Coupling Synergistically Improved Long-Range SPR Biosensor with Low Detection Limit. <i>Nanomaterials</i> , 2021, 11, 2137.	1.9	5
314	Lattice effect for enhanced hot-electron generation in nanoelectrodes. <i>Optical Materials Express</i> , 2021, 11, 3232.	1.6	18
315	Ultraviolet graphene ultranarrow absorption engineered by lattice plasmon resonance. <i>Nanotechnology</i> , 2021, 32, 465202.	1.3	53
316	Quantum theory of plasmon polaritons in chains of metallic nanoparticles: From near- to far-field coupling regime. <i>Physical Review B</i> , 2021, 104, .	1.1	4
317	Narrow quadrupolar surface lattice resonances and band reversal in vertical metal-insulator-metal gratings. <i>Journal Physics D: Applied Physics</i> , 0, , .	1.3	7
318	Ultra-sensitive amplitude engineering and sign reversal of circular dichroism in quasi-3D chiral nanostructures. <i>Optics Express</i> , 2021, 29, 33572.	1.7	6
319	Engineering Efficient Self-Assembled Plasmonic Nanostructures by Configuring Metallic Nanoparticle's Morphology. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10595.	1.8	8
320	Monolayer colloidal lithography protocol: theoretical assessment and applicative potentialities for metal nanohole fabrication. <i>Applied Surface Science Advances</i> , 2021, 5, 100097.	2.9	1
321	Phase Enabled Circular Dichroism Reversal in Twisted Bi-Chiral Propeller Metamolecule Arrays. <i>Advanced Optical Materials</i> , 2021, 9, 2101191.	3.6	9
322	Integrated Terahertz Generator-Manipulators Using Epsilon-near-Zero-Hybrid Nonlinear Metasurfaces. <i>Nano Letters</i> , 2021, 21, 7699-7707.	4.5	52
323	Surface Normal Lasing from CdSe Nanoplatelets Coupled to Aluminum Plasmonic Nanoparticle Lattices. <i>Journal of Physical Chemistry C</i> , 2021, 125, 19874-19879.	1.5	12
324	Thermoplasmonics of metal layers and nanoholes. <i>APL Photonics</i> , 2021, 6, .	3.0	12
325	Chiroplasmon-active optical fiber probe for environment chirality estimation. <i>Sensors and Actuators B: Chemical</i> , 2021, 343, 130122.	4.0	7
326	Developing Plasmonic Perfect thin-film absorber by studying self-similar formation to have Fano response for optical spectroscopy. <i>Optics Communications</i> , 2022, 504, 127495.	1.0	9

#	ARTICLE	IF	CITATIONS
327	Wafer-Scale Functional Metasurfaces for Mid-Infrared Photonics and Biosensing. <i>Advanced Materials</i> , 2021, 33, e2102232.	11.1	64
328	Quasi-Guided Modes in Titanium Dioxide Arrays Fabricated via Soft Nanoimprint Lithography. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47860-47870.	4.0	7
329	Quality factor of plasmonic monopartite and bipartite surface lattice resonances. <i>Physical Review B</i> , 2021, 104, .	1.1	4
330	Unveiling the Symmetry Protection of Bound States in the Continuum with Terahertz Near-Field Imaging. <i>ACS Photonics</i> , 2021, 8, 3010-3016.	3.2	26
331	Evolution of High Symmetry Points of Photonic Alumina Superlattices in a Lithography-Free Approach. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 47262-47271.	4.0	7
332	Nanophotonic Color Routing. <i>Advanced Materials</i> , 2021, 33, e2103815.	11.1	24
333	Tuneable interplay of plasmonic and molecular excitations in self-assembled silver - fullerene nanocomposites. <i>Carbon</i> , 2021, 184, 34-42.	5.4	4
334	Lattice induced transparency-like in symmetric metasurfaces tuned with incident angles in mid-infrared region. <i>Optical Materials</i> , 2021, 121, 111535.	1.7	0
335	Plasmonic biosensor based on a gold nanostripe array for detection of microRNA related to myelodysplastic syndromes. <i>Sensors and Actuators B: Chemical</i> , 2021, 347, 130629.	4.0	11
336	Surface lattice resonances in metasurfaces composed of silicon resonators. , 2022, , 239-275.		0
337	Light scattering from single dielectric particles and dielectric metasurfaces at Mie-type dipolar resonances. , 2022, , 175-237.		1
338	Surface-localized plasmon resonance in a system of randomly arranged gold nanorods on a dielectric substrate. <i>Ukrainian Journal of Physical Optics</i> , 2021, 22, 69-82.	9.7	2
339	Absorptive metasurface color filters based on hyperbolic metamaterials for a CMOS image sensor. <i>Optics Express</i> , 2021, 29, 3643.	1.7	18
340	Lattice Resonances Induced by Periodic Vacancies in Arrays of Nanoparticles. <i>ACS Photonics</i> , 2021, 8, 360-368.	3.2	27
341	Plasmonic lattice Kerker effect in ultraviolet-visible spectral range. <i>Physical Review B</i> , 2021, 103, .	1.1	16
342	Three-order fluorescence enhancement of perovskite nanocrystals using plasmonic Ag@SiO2 nanocomposites. <i>Journal of Materials Chemistry C</i> , 0, , .	2.7	1
343	A Potential Plasmonic Biosensor Based Asymmetric Metal Ring Cavity with Extremely Narrow Linewidth and High Sensitivity. <i>Sensors</i> , 2021, 21, 752.	2.1	4
344	Extending nanoscale patterning with multipolar surface plasmon resonances. <i>Nanoscale</i> , 2021, 13, 11051-11057.	2.8	4

#	ARTICLE	IF	CITATIONS
345	Hybridized surface lattice modes in intercalated 3-disk plasmonic crystals for high figure-of-merit plasmonic sensing. <i>Nanoscale</i> , 2021, 13, 4092-4102.	2.8	9
346	Spectral Interferometric Microscopy for Fast and Broadband Phase Characterization. <i>Advanced Optical Materials</i> , 2020, 8, 2000326.	3.6	4
347	Synthesis of Pluronic-based silver nanoparticles/methylene blue nanohybrids: Influence of the metal shape on photophysical properties. <i>Materials Science and Engineering C</i> , 2020, 114, 110987.	3.8	15
348	Molecular Chirality Detection with Periodic Arrays of Three-Dimensional Twisted Metamaterials. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 1152-1157.	4.0	16
349	Bioinspired Disordered Flexible Metasurfaces for Human Tear Analysis Using Broadband Surface-Enhanced Raman Scattering. <i>ACS Omega</i> , 2020, 5, 12915-12922.	1.6	24
350	Extreme sensitivity of plasmon drag to surface modification. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 035307.	1.3	3
351	Dual-band terahertz switch with stretchable Bloch-mode metasurface. <i>New Journal of Physics</i> , 2020, 22, 113008.	1.2	9
352	Enhanced circular dichroism of TDBC in a metallic hole array structure*. <i>Chinese Physics B</i> , 2020, 29, 097306.	0.7	8
353	Convergence Study for the Method of Analytical Regularization Applied to the E-Plane-Wave Scattering from a PEC Strip Grating on a Dielectric Substrate. , 2020, , .		2
354	Anomalies in light scattering. <i>Advances in Optics and Photonics</i> , 2019, 11, 892.	12.1	161
355	High-Q resonance train in a plasmonic metasurface. , 2019, , .		1
356	Photoluminescence decay rate of an emitter layer on an Al nanocylinder array: effect of layer thickness. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, E1.	0.9	10
357	Quantum plasmonics of metal nanoparticles. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, 323.	0.9	9
358	Necessary conditions for out-of-plane lattice plasmons in nanoparticle arrays. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, 805.	0.9	14
359	Temperature sensing of a plasmonic nanocylinder array by a polymer film containing chameleon complex. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, E15.	0.9	7
360	Efficient nonlinear metasurfaces by using multiresonant high-Q plasmonic arrays. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, E30.	0.9	39
361	Lattice plasmon modes in an asymmetric environment: from far-field to near-field optical properties. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, E36.	0.9	11
362	Polarization switching between parallel and orthogonal collective resonances in arrays of metal nanoparticles. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, E65.	0.9	13

#	ARTICLE	IF	CITATIONS
363	Optical response of rectangular array of elliptical plasmonic particles on glass revealed by Mueller matrix ellipsometry and finite element modeling. Journal of the Optical Society of America B: Optical Physics, 2019, 36, E78.	0.9	13
364	Strong light-matter coupling and exciton-polariton condensation in lattices of plasmonic nanoparticles [Invited]. Journal of the Optical Society of America B: Optical Physics, 2019, 36, E88.	0.9	28
365	Collective effects and coupling phenomena in resonant optical metasurfaces: introduction. Journal of the Optical Society of America B: Optical Physics, 2019, 36, CEC1.	0.9	16
366	Coupling phenomena and collective effects in resonant meta-atoms supporting both plasmonic and (opto-)magnetic functionalities: an overview on properties and applications [Invited]. Journal of the Optical Society of America B: Optical Physics, 2019, 36, E112.	0.9	25
367	Strong second-harmonic generation in dielectric optical nanoantennas resulting from the hybridization of magnetic dipoles and lattice resonances. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 3146.	0.9	10
368	Controlling spatial mode superposition to channel light flow in a photonic crystal. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 3809.	0.9	5
369	Ultra-High-Q Resonance in a Plasmonic Metasurface. , 2020, , .		1
370	Enhanced absorption and photoluminescence from dye-containing thin polymer film on plasmonic array. Optics Express, 2019, 27, 5083.	1.7	7
371	Engineering novel tunable optical high-Q nanoparticle array filters for a wide range of wavelengths. Optics Express, 2020, 28, 1426.	1.7	18
372	Enhancing upconversion photoluminescence by plasmonic-photonic hybrid mode. Optics Express, 2020, 28, 886.	1.7	21
373	High performance lasing in a single ZnO microwire using Rh nanocubes. Optics Express, 2020, 28, 20920.	1.7	11
374	Hybrid Tamm-surface plasmon polariton mode for highly sensitive detection of protein interactions. Optics Express, 2020, 28, 29033.	1.7	39
375	Resonant suppression of light transmission in high-refractive-index nanoparticle metasurfaces. Optics Letters, 2018, 43, 5186.	1.7	25
376	Ultra-sensitive plasmonic sensing based on gold nanostrip arrays. Optics Letters, 2019, 44, 4199.	1.7	3
377	Collective lattice resonances in arrays of dielectric nanoparticles: a matter of size. Optics Letters, 2019, 44, 5743.	1.7	47
378	Confinement of ultraviolet light using lattice modes in Al and Si nanocylinder arrays. Optical Materials Express, 2019, 9, 3310.	1.6	9
379	Deep neural network for plasmonic sensor modeling. Optical Materials Express, 2019, 9, 3857.	1.6	59
380	Spectral phase singularity in a transmission-type double-layer metamaterial. Optica, 2020, 7, 1721.	4.8	8

#	ARTICLE	IF	CITATIONS
381	Gain-induced scattering anomalies of diffractive metasurfaces. <i>Nanophotonics</i> , 2020, 9, 4273-4285.	2.9	9
382	Multiresonant plasmonic nanostructure for ultrasensitive fluorescence biosensing. <i>Nanophotonics</i> , 2020, 9, 3673-3685.	2.9	17
383	Active plasmonic nanoantenna: an emerging toolbox from photonics to neuroscience. <i>Nanophotonics</i> , 2020, 9, 3805-3829.	2.9	15
384	Epitaxial aluminum plasmonics covering full visible spectrum. <i>Nanophotonics</i> , 2020, 10, 627-637.	2.9	13
385	Giant midinfrared nonlinearity based on multiple quantum well polaritonic metasurfaces. <i>Nanophotonics</i> , 2020, 10, 667-678.	2.9	9
386	Ultra-High-Q (~ 2400) Lattice Resonances in Plasmonic Metasurface for Flat Optics. , 2021, , .		0
387	Diffraction-assisted asymmetric transmission in a plasmonic metasurface. , 2021, , .		0
388	Dielectric nanocavity-coupled surface lattice resonances for high-efficiency plasmonic sensing. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 075105.	1.3	7
389	Surface refractive index sensor based on titanium dioxide composite thin film for detection of cadmium ions. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 187, 110287.	2.5	12
390	Long-Range Dipole-Dipole Interactions in a Plasmonic Lattice. <i>Nano Letters</i> , 2022, 22, 22-28.	4.5	28
391	Strain-Enabled Phase Transition of Periodic Metasurfaces. <i>Advanced Materials</i> , 2022, 34, e2102560.	11.1	7
392	Grating Theory Approach to Optics of Nanocomposites. <i>Materials</i> , 2021, 14, 6359.	1.3	0
393	Plasmonic nanocrystals on polycarbonate substrates for direct and label-free biodetection of Interleukin-6 in bioengineered 3D skeletal muscles. <i>Nanophotonics</i> , 2021, 10, 4477-4488.	2.9	10
394	Linear optical properties of 2d assembly of interacting gold nanoparticles: analytical approach in dipole approximation. <i>Physica Scripta</i> , 2021, 96, 125516.	1.2	1
395	Pulsed Laser Ablation at Gas/Liquid/Solid Interfaces Controlled via Rotation of a Partially Submerged Disc. <i>Journal of Physical Chemistry C</i> , 2021, 125, 22872-22882.	1.5	1
396	Metallic nanoparticle-on-mirror: Multiple-band light harvesting and efficient photocurrent generation under visible light irradiation. <i>Nano Energy</i> , 2021, 90, 106609.	8.2	8
397	Atom-surface physics: A review. <i>AVS Quantum Science</i> , 2021, 3, .	1.8	13
398	Subradiant resonances in Au and Ag bipartite lattices in the visible spectrum. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2021, 39, .	0.6	6

#	ARTICLE	IF	CITATIONS
399	Hybrid plasmonic high Q-factor resonances in a periodic metasurface. , 2019, , .		0
400	Deterministically activated color centers in hBN coupled to plasmonic and microcavity systems. , 2019, , .		0
401	Polarization-Dependent Optical Binding of Plasmonic Nanoparticles. , 2019, , .		0
402	Stable Photoluminescence Enhancement of MoS2 Buried in PDMS via Plasmonic Surface Lattice Resonance. , 2020, , .		0
403	Microscopic nonlinear optical response of plasmonic meta-atoms. , 2020, , .		0
404	Nanomanipulation with Designer Thermoplasmonic Metasurface. , 0, , .		0
405	Design of 2D Plasmonic Diffraction Gratings for Sensing and Super-Resolution Imaging Applications. , 2020, , .		0
406	Đ'Đ,Đ°Đ¾Ñ€Đ,ÑÑ,Đ°Đ½Đ½Ñ•Ñ...Đ°Đ»Ñ€Đ°Đ¾Đ³ĐµĐ½Ñ–ĐĐ½Đ,Ñ... ÑĐ°Đ»Đ¾Đ¿Đ¾ĐÑ–Đ±Đ½Đ,Ñ... Đ½ĐĐ:Đ¿Ñ–Đ²Đ¿Ñ€Đ¾Đ		0
407	Laser nanoprinting of floating three-dimensional plasmonic color in pH-responsive hydrogel. Nanotechnology, 2022, 33, 065302.	1.3	6
408	Spectral Engineering of Tamm Plasmon Resonances in Dielectric Nanoporous Photonic Crystal Sensors. ACS Applied Materials & Interfaces, 2022, 14, 22747-22761.	4.0	11
409	Photosensitizer-based metal-organic frameworks for highly effective photodynamic therapy. Materials Science and Engineering C, 2021, 131, 112514.	3.8	38
410	Classical Electrodynamics of Solids. Springer Theses, 2020, , 13-49.	0.0	1
411	Selective Growth of Patterned Monolayer Gold Nanoparticles on SU-8 through Photoreduction for Plasmonic Applications. ACS Applied Nano Materials, 2021, 4, 229-235.	2.4	5
412	Hyperpolarizability of Plasmonic Meta-Atoms in Metasurfaces. Nano Letters, 2021, 21, 51-59.	4.5	9
413	Fourier-Imaging Spectroscopy of Two-Dimensional Gold Nanodisk Array on Photoluminescent Layer. Semiconductors, 2020, 54, 1893-1896.	0.2	1
414	Transient perturbative nonlinear responses of plasmonic materials. Physical Review A, 2020, 102, .	1.0	1
415	Plasmonic Metasurfaces with Ultra-High-Q (~ 2400) Lattice Resonances for Sensing, LiDAR Nanolasing and Imaging. , 2021, , .		0
416	Highly-Enhanced Plasmonic Biosensors based on Atomically Thin Two-Dimensional Chalcogenide Phase-change Materials. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
417	Hyperpolarizability measurement of plasmonic meta-atoms in metasurfaces. , 2020, , .		0
418	Tunable Transparency and Slow Light in Plasmonic Lattice. , 2020, , .		0
419	Laser-induced, ultrabright spontaneous photoluminescence spikes from colloidal silver nanocubes for patch nanoantennas. , 2020, , .		0
420	Ultra-High-Q Resonance in a Plasmonic Metasurface. , 2020, , .		2
421	Engineering Local Fields in Nonlinear Plasmonic Metasurfaces -INVITED. EPJ Web of Conferences, 2020, 238, 11002.	0.1	0
422	Ultrabright photoluminescence spikes from 100-nm colloidal silver nanocubes for patch nanoantennas. , 2020, , .		0
423	Room-Temperature Single-Photon Sources: State of the Art. , 2020, , .		0
424	Plasmonic band structures and its applications. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 157301.	0.2	2
425	Nonlinear plasmonic metasurfaces using multiresonant surface lattice resonances. , 2020, , .		1
426	Scattering-matrix analysis of nanoparticle lattices in dipole approximation. Journal of Physics: Conference Series, 2020, 1461, 012041.	0.3	0
427	Performance improvement approaches for optical fiber SPR sensors and their sensing applications. Photonics Research, 2022, 10, 126.	3.4	38
428	Dynamically Tunable Asymmetric Transmission in PT-Symmetric Phase Gradient Metasurface. ACS Photonics, 2021, 8, 3315-3322.	3.2	6
429	Giant polarization anisotropic optical response from anodic aluminum oxide templates embedded with plasmonic metamaterials. Optics Express, 2020, 28, 29513.	1.7	1
430	All-metallic metasurfaces towards high-performance magneto-plasmonic sensing devices. Photonics Research, 2020, 8, 1742.	3.4	28
431	Multimode Surface Lattice Resonance Hybridization. , 2021, , .		0
432	Spectrographic analysis of zinc-sulfate-magnesium-phosphate glass containing neodymium ions: Impact of silver-gold nanoparticles plasmonic coupling. Journal of Luminescence, 2022, 242, 118571.	1.5	4
433	Current progress in organic-inorganic hetero-nano-interfaces based electrochemical biosensors for healthcare monitoring. Coordination Chemistry Reviews, 2022, 452, 214282.	9.5	57
434	Nanostructured Surfaces as Plasmonic Biosensors: A Review. Advanced Materials Interfaces, 2022, 9, 2101133.	1.9	28

#	ARTICLE	IF	CITATIONS
436	Tunable Faraday rotation of ferromagnet thin film in whole visible region coupled with aluminum plasmonic arrays. <i>Nanophotonics</i> , 2021, .	2.9	0
437	Narrowband terahertz metasurface circular polarization beam splitter with large spectral tunability based on lattice-induced chirality. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 105109.	1.3	2
438	Magnetic excitation of high-Q resonance with split-ring resonators. <i>Engineering Research Express</i> , 2021, 3, 045034.	0.8	0
439	Scientific Background. <i>Springer Theses</i> , 2022, , 7-56.	0.0	0
440	Collective Resonances of a Twisted Plasmonic Array Pair. <i>Journal of Physical Chemistry C</i> , 2021, 125, 25670-25679.	1.5	3
441	Detecting Antibody–Antigen Interactions with Chiral Plasmons: Factors Influencing Chiral Plasmonic Sensing. <i>Advanced Photonics Research</i> , 2022, 3, 2100155.	1.7	7
442	Ultrahigh Sensitivity of a Plasmonic Pressure Sensor with a Compact Size. <i>Nanomaterials</i> , 2021, 11, 3147.	1.9	19
443	3D Chiral MetaCrystals. <i>Advanced Functional Materials</i> , 2022, 32, 2109258.	7.8	14
444	Refractive index sensor based on Fano resonance in a ring with a rectangular cavity structure. <i>Results in Physics</i> , 2021, 31, 104997.	2.0	5
445	Introduction to Metasurfaces for Optical Applications. <i>Progress in Optical Science and Photonics</i> , 2021, , 1-16.	0.3	0
446	High- Q Toroidal Dipole Metasurfaces Driven By Bound States in the Continuum for Ultrasensitive Terahertz Sensing. <i>Journal of Lightwave Technology</i> , 2022, 40, 2181-2190.	2.7	28
447	Plasmon Resonance and Enhanced Near-Field of Anisotropic Nanoparticle Systems: Unified Analysis by Factorization of Light-Excited Dipole Distribution. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 2614-2622.	1.3	1
448	Enhanced plasmonic processes in amino-rich plasma polymer films for applications at the biointerface. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 27365-27376.	1.3	0
450	Lattice-plasmon-induced asymmetric transmission in two-dimensional chiral arrays. <i>APL Photonics</i> , 2022, 7, .	3.0	4
451	Optical Constants of Noble Metals at the Nanoscale within the Framework of the Drude Free-Electron Conduction Model: Implications for Liquid Crystal Sensing. <i>ACS Applied Nano Materials</i> , 2022, 5, 1621-1634.	2.4	1
452	Tunable Metasurface Using Thin-Film Lithium Niobate in the Telecom Regime. <i>ACS Photonics</i> , 2022, 9, 605-612.	3.2	49
453	Quasi-BIC Mode Lasing in a Quadramer Plasmonic Lattice. <i>ACS Photonics</i> , 2022, 9, 224-232.	3.2	22
454	Broadband frequency conversion of ultrashort pulses using high-Q metasurface resonators. <i>New Journal of Physics</i> , 2022, 24, 025004.	1.2	3

#	ARTICLE	IF	CITATIONS
455	Multi-resonant absorptions in asymmetric step-shaped plasmonic metamaterials for versatile sensing application scenarios. <i>Optics Express</i> , 2022, 30, 2006.	1.7	8
456	Plasmonic nanostructures for shrinking structured light to access forbidden transitions. <i>Nanophotonics</i> , 2022, 11, 2465-2472.	2.9	4
457	Emerging biosensing and transducing techniques for potential applications in point-of-care diagnostics. <i>Chemical Science</i> , 2022, 13, 2857-2876.	3.7	36
458	THz plasmonic metasurface based on a periodic array of InSb metamolecules with narrow resonances. <i>Optics Communications</i> , 2022, 508, 127805.	1.0	7
459	Giant long-range dipole-dipole interactions in a plasmonic lattice. , 2021, , .		0
460	Flat and Flexible 2D Plasmonic Crystal for Color Production. <i>International Journal of Optics and Photonics</i> , 2021, 15, 93-100.	0.2	1
461	H-Polarized Terahertz Wave Scattering from On-Substrate Graphene Strip Grating: Electromagnetically Induced Transparency. , 2021, , .		0
462	Finite-size and disorder effects on 1D unipartite and bipartite surface lattice resonances. <i>Optics Express</i> , 2022, 30, 3302.	1.7	3
463	Gold Sunflower Microelectrode Arrays with Dendritic Nanostructures on the Lateral Surfaces for Antireflection and Surface-Enhanced Raman Scattering. <i>ACS Applied Nano Materials</i> , 2022, 5, 1873-1890.	2.4	12
464	Deep Learning Enabled Strategies for Modeling of Complex Aperiodic Plasmonic Metasurfaces of Arbitrary Size. <i>ACS Photonics</i> , 2022, 9, 575-585.	3.2	17
465	An Accessible Integrated Nanoparticle in a Metallic Hole Structure for Efficient Plasmonic Applications. <i>Materials</i> , 2022, 15, 792.	1.3	7
466	Engineering Surface Plasmons in Metal/Nonmetal Structures for Highly Desirable Plasmonic Photodetectors. , 2022, 4, 343-355.		19
467	The Light Absorption Enhancement in Graphene Monolayer Resulting from the Diffraction Coupling of Surface Plasmon Polariton Resonance. <i>Nanomaterials</i> , 2022, 12, 216.	1.9	17
468	Double-Resonant Nanostructured Gold Surface for Multiplexed Detection. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 6417-6427.	4.0	5
469	Numerical demonstration of surface lattice resonance excitation in integrated localized surface plasmon waveguides. <i>Optics Express</i> , 2022, 30, 5835.	1.7	3
470	Multiply-resonant second-harmonic generation using surface lattice resonances in aluminum metasurfaces. <i>Optics Express</i> , 2022, 30, 3620.	1.7	15
471	Advances and applications of nanophotonic biosensors. <i>Nature Nanotechnology</i> , 2022, 17, 5-16.	15.6	308
472	Shaping and enhancing the photoluminescence of halide perovskite quantum dots with plasmonic lattices. <i>Journal of Materials Chemistry C</i> , 2022, 10, 3704-3711.	2.7	3

#	ARTICLE	IF	CITATIONS
473	Narrowband Plasmonic Absorber Using Gold Nanoparticle Arrays for Refractive Index Sensing. IEEE Sensors Journal, 2022, 22, 4043-4050.	2.4	22
474	Metal-Dielectric-Graphene Hybrid Heterostructures with Enhanced Surface Plasmon Resonance Sensitivity Based on Amplitude and Phase Measurements. Plasmonics, 2022, 17, 973-987.	1.8	15
475	Plexcitonic strong coupling: unique features, applications, and challenges. Journal Physics D: Applied Physics, 2022, 55, 203002.	1.3	31
476	Green Tensor Analysis of Lattice Resonances in Periodic Arrays of Nanoparticles. ACS Photonics, 2022, 9, 540-550.	3.2	12
477	Low-Symmetry Nanophotonics. ACS Photonics, 2022, 9, 2-24.	3.2	13
478	Photochromic switching of narrow-band lattice resonances. Optics Letters, 2022, 47, 337.	1.7	1
479	Doping-Dependent Optical Response of a Hybrid Transparent Conductive Oxide/Plasmonic Medium. Journal of Physical Chemistry C, 2022, 126, 1881-1889.	1.5	3
480	Two-dimensional synthesis of silver nanoparticle in situ Langmuir films from the reduction of silver sulfadiazine. Thin Solid Films, 2022, 746, 139119.	0.8	1
481	Strong Coupling between Plasmonic Surface Lattice Resonance and Photonic Microcavity Modes. Photonics, 2022, 9, 84.	0.9	4
482	Spoiling of tunability of on-substrate graphene strip grating due to lattice-mode-induced transparency. RSC Advances, 2022, 12, 4589-4594.	1.7	5
483	Quadrupolar lattice plasmon modes induced by diffraction of high-quality factors in silver nanoparticle arrays. Wuli Xuebao/Acta Physica Sinica, 2022, 71, 047802.	0.2	0
484	Resonant optical modes in periodic nanostructures. ISSS Journal of Micro and Smart Systems, 2022, 11, 113-137.	1.0	9
485	Two-dimensional biocompatible plasmonic contact lenses for color blindness correction. Scientific Reports, 2022, 12, 2037.	1.6	12
486	A generalized method for calculating plasmoelectric potential in non-Mie-resonant plasmonic systems. Nanophotonics, 2022, 11, 2453-2464.	2.9	4
487	Tailoring Infrared Absorption and Thermal Emission with Ultrathin Film Interferences in Epsilon-Near-Zero Media. Advanced Photonics Research, 2022, 3, .	1.7	6
489	Shape-controlled metal nanoparticles for fuel cells applications. , 2022, , 349-360.		2
490	Plasmonic crescent nanoarray-based surface lattice resonance sensor with a high figure of merit. Nanoscale, 2022, 14, 6144-6151.	2.8	9
491	Plasmonic Nanostructures for Sensing. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
493	Immobilization of Gold Nanoparticles in Localized Surface Plasmon Polariton-Coupled Hot Spots via Photolytic Dimerization of Aromatic Amine Groups for SERS Detection in a Microfluidic Regime. <i>ACS Applied Nano Materials</i> , 2022, 5, 1836-1844.	2.4	2
494	2DIR Spectroscopy for Studies of Molecular Structure and Dynamics on Surfaces of Noble Metals. <i>Journal of Physical Chemistry C</i> , 2022, 126, 3314-3327.	1.5	2
495	Investigation of Lattice Plasmon Modes in 2D Arrays of Au Nanoantennas. <i>Crystals</i> , 2022, 12, 336.	1.0	2
496	Electric tuning and switching of the resonant response of nanoparticle arrays with liquid crystals. <i>Journal of Applied Physics</i> , 2022, 131, .	1.1	9
497	Significant Near-Field Enhancement over Large Volumes around Metal Nanorods via Strong Coupling of Surface Lattice Resonances and Fabry-Pérot Resonance. <i>Materials</i> , 2022, 15, 1523.	1.3	3
498	Nanoparticle Assembly as a Materials Development Tool. <i>Journal of the American Chemical Society</i> , 2022, 144, 3330-3346.	6.6	63
499	Extremely Narrow and Actively Tunable Mie Surface Lattice Resonances in GeSbTe Metasurfaces: Study. <i>Nanomaterials</i> , 2022, 12, 701.	1.9	7
500	Centimeter-Scale Superlattices of Three-Dimensionally Orientated Plasmonic Dimers with Highly Tunable Collective Properties. <i>ACS Nano</i> , 2022, 16, 4609-4618.	7.3	10
501	Plasmon-Induced Disorder Engineering for Robust Optical Sensors. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	6
502	Fourier-Engineered Plasmonic Lattice Resonances. <i>ACS Nano</i> , 2022, 16, 5696-5703.	7.3	11
503	Recent advances in ultrafast plasmonics: from strong field physics to ultraprecision spectroscopy. <i>Nanophotonics</i> , 2022, 11, 2393-2431.	2.9	7
504	Ultrafast vibrational excitation transfer on resonant antenna lattices revealed by two-dimensional infrared spectroscopy. <i>Journal of Chemical Physics</i> , 2022, 156, 121101.	1.2	9
505	Cross-polarized surface lattice resonances in a rectangular lattice plasmonic metasurface. <i>Optics Letters</i> , 2022, 47, 2105.	1.7	3
506	Plasmonic Nanostructure Engineering with Shadow Growth. <i>Advanced Materials</i> , 2023, 35, e2107917.	11.1	12
507	Responsive photonic nanopixels with hybrid scatterers. <i>Nanophotonics</i> , 2022, 11, 1863-1886.	2.9	9
508	Applicability of multipole decomposition to plasmonic- and dielectric-lattice resonances. <i>Journal of Chemical Physics</i> , 2022, 156, 114104.	1.2	24
509	Recording of Micro/Nanosized Elements on Thin Films of Glassy Chalcogenide Semiconductors by Optical Radiation. , 0, , .		2
510	Laser-based techniques for micro-optics and photonics. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
511	Tuning Collective Plasmon Resonances of Femtosecond Laser-Printed Metasurface. <i>Materials</i> , 2022, 15, 1834.	1.3	5
512	Green nanotechnology—An innovative pathway towards biocompatible and medically relevant gold nanoparticles. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 70, 103256.	1.4	21
513	Plasmonic Nanomaterials for Colorimetric Biosensing: A Review. <i>Chemosensors</i> , 2022, 10, 136.	1.8	10
514	Plasmonic origami: tuning optical properties by periodic folding of a gold nano film. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2022, 39, 1400.	0.9	18
515	Optical characterization and emission enhancement property of Ag nanomesh structure fabricated by nanosphere lithography. <i>Surface and Coatings Technology</i> , 2022, 435, 128258.	2.2	1
517	Polarization optical switching based on the molding of coherent light scattering via surface lattice resonances. <i>Materials Today Nano</i> , 2022, 18, 100190.	2.3	4
518	Boron nitride-Au (Ag) loaded eggshell membrane with enhanced photothermal property. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 642, 128726.	2.3	5
519	Ultra narrow Fano resonance of 2D array of the Ag trigonal-helix nanostructure. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2022, 50, 101021.	1.0	0
520	Sodium Surface Lattice Plasmons. <i>Journal of Physical Chemistry C</i> , 2021, 125, 25148-25154.	1.5	8
521	Role of Substrate in the H-Polarized Terahertz Wave Scattering and Absorption by a Graphene Strip on-Substrate Grating. , 2021, , .		0
522	Ultrahigh-Q Tunable Terahertz Absorber Based on Bulk Dirac Semimetal with Surface Lattice Resonance. <i>Photonics</i> , 2022, 9, 22.	0.9	9
523	Spatial and Temporal Coherence in Strongly Coupled Plasmonic Bose-Einstein Condensates. <i>Physical Review Letters</i> , 2021, 127, 255301.	2.9	9
524	Highly sensitive refractive index sensor based on Bloch surface waves with lithium niobate film. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, 1.	1.1	12
525	Engineering Strongly Chiral Plasmonic Lattices with Achiral Unit Cells for Sensing and Photodetection. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	26
526	Photonic and Plasmonic Metasensors. <i>Laser and Photonics Reviews</i> , 2022, 16, .	4.4	62
527	Effective-periodicity effects in Fibonacci slot arrays. <i>Physical Review B</i> , 2021, 104, .	1.1	4
528	Collective Phonon—Polaritonic Modes in Silicon Carbide Subarrays. <i>ACS Nano</i> , 2022, 16, 963-973.	7.3	6
529	Near-Field Electromagnetic Coupling Effects in Optical Spectra of One-Dimensional and Two-Dimensional Arrays of Metal Nanoparticles. <i>Bulletin of the Lebedev Physics Institute</i> , 2021, 48, 369-372.	0.1	1

#	ARTICLE	IF	CITATIONS
530	Double Narrow Fano Resonances via Diffraction Coupling of Magnetic Plasmon Resonances in Embedded 3D Metamaterials for High-Quality Sensing. <i>Nanomaterials</i> , 2021, 11, 3361.	1.9	4
532	Tuning plasmons of metal-coated microsphere arrays towards optimized surface-enhanced spectroscopy. <i>Optics Express</i> , 2021, 29, 42238.	1.7	4
533	All-dielectric $\sqrt{2}$ metasurfaces: recent progress. <i>Opto-Electronic Advances</i> , 2022, 5, 210093-210093.	6.4	32
534	Surface Plasmon Resonance of Large-Size Ag Nanobars. <i>Micromachines</i> , 2022, 13, 638.	1.4	3
535	Ultra-narrow-band circular dichroism by surface lattice resonances in an asymmetric dimer-on-mirror metasurface. <i>Optics Express</i> , 2022, 30, 16020.	1.7	18
536	Quasi-Enhanced Broadband Terahertz Generation in All-Dielectric Metasurface. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	21
537	Interacting plexitons for designed ultrafast optical nonlinearity in a monolayer semiconductor. <i>Light: Science and Applications</i> , 2022, 11, 94.	7.7	24
538	Chasing Vibro-Polariton Fingerprints in Infrared and Raman Spectra Using Surface Lattice Resonances on Extended Metasurfaces. <i>Journal of Physical Chemistry C</i> , 2022, 126, 7143-7151.	1.5	7
540	Compact Peptoid Molecular Brushes for Nanoparticle Stabilization. <i>Journal of the American Chemical Society</i> , 2022, 144, 8138-8152.	6.6	11
541	Real time monitoring of assembly of plasmonic nanoparticles on polyelectrolyte coated surfaces. , 2022, , .		0
542	Multimetallic Metasurfaces for Enhanced Electrocatalytic Oxidations in Direct Alcohol Fuel Cells. <i>Laser and Photonics Reviews</i> , 0, , 2200137.	4.4	5
543	Plasmonic grating for circularly polarized outcoupling of waveguide-enhanced spontaneous emission. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	4
544	Plant-Based Bimetallic Silver-Zinc Oxide Nanoparticles: A Comprehensive Perspective of Synthesis, Biomedical Applications, and Future Trends. <i>BioMed Research International</i> , 2022, 2022, 1-20.	0.9	17
545	Ultrabright photoluminescence spikes and step-wise photoluminescence increase from colloidal silver nanoparticles for patch nanoantennas. <i>Journal of Physics: Conference Series</i> , 2022, 2249, 012002.	0.3	1
546	Drawing at the Nanoscale through Macroscopic Movement. <i>Small Methods</i> , 2022, 6, e2200293.	4.6	2
547	Symmetry Breaking in Gold Nanocylinder Grating: Influence on Plasmonic Properties and on Surface Enhanced Raman Scattering Performances. <i>Journal of Physical Chemistry C</i> , 0, , .	1.5	0
548	Plasmon-induced long-lived hot electrons in degenerately doped molybdenum oxides for visible-light-driven photochemical reactions. <i>Materials Today</i> , 2022, 55, 21-28.	8.3	18
549	Thermal Control of Plasmonic Surface Lattice Resonances. <i>Nano Letters</i> , 2022, 22, 3879-3883.	4.5	8

#	ARTICLE	IF	CITATIONS
550	The Optimization of Metal Nitride Coupled Plasmon Waveguide Resonance Sensors Using a Genetic Algorithm for Sensing the Thickness and Refractive Index of Diamond-like Carbon Thin Films. <i>Photonics</i> , 2022, 9, 332.	0.9	1
551	Nanometer-Scale Spatial and Spectral Mapping of Exciton Polaritons in Structured Plasmonic Cavities. <i>Physical Review Letters</i> , 2022, 128, .	2.9	4
552	Multifunctional and Transformative Metaphotonics with Emerging Materials. <i>Chemical Reviews</i> , 2022, 122, 15414-15449.	23.0	23
553	Phase mismatch induced suppression of eigenmode resonance in terahertz metamaterials. <i>Optics Express</i> , 0, , .	1.7	3
554	Theoretical design and analysis of multichannel plasmonic switch based on triangle resonator combined with silver bar. <i>Optics Communications</i> , 2022, 520, 128437.	1.0	2
555	Near-infrared narrow plasmonic resonances for high-performance optical sensing in a sodium-based nanograting. <i>Results in Physics</i> , 2022, 38, 105566.	2.0	7
556	Effective Medium Analysis of Stacked-Nanoparticles Array's Optical Responses. <i>Materials Science Forum</i> , 0, 1060, 135-140.	0.3	0
557	Interfacial engineering of plasmonic nanoparticle metasurfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	6
558	Plasmonic Polycrystals within Microbowl Arrays. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	4
559	Photoluminescence coupled to electric and magnetic surface lattice resonance in periodic arrays of zirconia nanoparticles. <i>Journal of Materials Chemistry C</i> , 2022, 10, 9730-9739.	2.7	4
560	Field enhancement in hydrogen storage by periodic layered structures. <i>Surfaces and Interfaces</i> , 2022, , 102085.	1.5	0
561	Ultra-narrow-band absorption enhancement of monolayer graphene based on surface lattice resonance modes. <i>Japanese Journal of Applied Physics</i> , 0, , .	0.8	0
562	Au-Based Thin-Film Metallic Glasses for Propagating Surface Plasmon Resonance-Based Sensor Applications. <i>ACS Omega</i> , 2022, 7, 18780-18785.	1.6	5
563	Construction of Plasmonic Metal@Semiconductor Core-Shell Photocatalysts: From Epitaxial to Nonepitaxial Strategies. <i>Small Structures</i> , 2022, 3, .	6.9	13
564	Characterization of an aerosolized nanoparticle beam beyond the diffraction limit through strong field ionization. <i>Scientific Reports</i> , 2022, 12, .	1.6	1
565	Excitation of terahertz surface magnetoplasmons by nonlinear mixing of two lasers on a rippled surface of magnetized n-InSb. <i>Optik</i> , 2022, 264, 169363.	1.4	9
566	Pre- and post-assembly modifications of colloidal plasmonic arrays: the effect of size distribution, composition and annealing. <i>Journal of Materials Chemistry C</i> , 2022, 10, 13913-13921.	2.7	7
567	Ag ₂ S-Based Plasmonic Nanocomposite with Engineered D-Band for Enhanced Photocatalytic and Antibacterial Activities. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

#	ARTICLE	IF	CITATIONS
569	Engineering van der Waals Materials for Advanced Metaphotonics. <i>Chemical Reviews</i> , 2022, 122, 15204-15355.	23.0	33
570	Coupling between Surface Plasmon Modes of Single-Layer Complex Silver Nanohole Arrays and Enhancing Index Sensing. <i>ACS Applied Nano Materials</i> , 2022, 5, 9761-9770.	2.4	6
571	A Triple-Band Terahertz Metamaterial Absorber Using Two Double Rectangular Patches Connected by Two Identical Gold Strips. <i>Journal of Electronic Materials</i> , 2022, 51, 5050-5057.	1.0	3
572	Manipulation of Fluid Convection by Surface Lattice Resonance. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	6
573	Experimental band flip and band closure in guided-mode resonant optical lattices. <i>Optics Letters</i> , 2022, 47, 3363.	1.7	8
574	Micropillared Surface to Enhance the Sensitivity of a Love-Wave Sensor. <i>Physical Review Applied</i> , 2022, 17, .	1.5	6
575	High-Q collective Mie resonances in monocrystalline silicon nanoantenna arrays for the visible light. <i>Fundamental Research</i> , 2023, 3, 822-830.	1.6	11
576	Photothermal behavior for two-dimensional nanoparticle ensembles: Multiple scattering and thermal accumulation effects. <i>Physical Review B</i> , 2022, 105, .	1.1	6
577	Optical Metasurfaces for Energy Conversion. <i>Chemical Reviews</i> , 2022, 122, 15082-15176.	23.0	52
578	Better colloidal lithography: Tilt-rotate evaporation overcomes the limits of plasma etching. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2022, 40, 043210.	0.9	1
579	Absorption of diffuse light by 2D arrays of spherical particles. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2022, 289, 108291.	1.1	4
580	Unravelling nanostructured Nb-doped TiO ₂ dual band behaviour in smart windows by <i>in situ</i> spectroscopies. <i>Journal of Materials Chemistry A</i> , 2022, 10, 19994-20004.	5.2	6
581	Readily tunable surface plasmon resonances in gold nanoring arrays fabricated using lateral electrodeposition. <i>Nanoscale</i> , 2022, 14, 9989-9996.	2.8	6
582	Optical Sensing by Metamaterials and Metasurfaces: From Physics to Biomolecule Detection. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	24
583	Controlling Exciton Propagation in Organic Crystals through Strong Coupling to Plasmonic Nanoparticle Arrays. <i>ACS Photonics</i> , 2022, 9, 2263-2272.	3.2	18
584	Light-Matter Interactions in Hybrid Material Metasurfaces. <i>Chemical Reviews</i> , 2022, 122, 15177-15203.	23.0	42
585	Scalable, Lithography-Free Plasmonic Metasurfaces by Nano-Patterned/Sculpted Thin Films for Biosensing. <i>Frontiers in Sensors</i> , 0, 3, .	1.7	4
586	Nanoscale light field imaging with graphene. <i>Communications Materials</i> , 2022, 3, .	2.9	1

#	ARTICLE	IF	CITATIONS
587	Dual Quasi Bound States in the Continuum Enabled Plasmonic Metasurfaces. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	33
588	Quasitrapped modes in metasurfaces of anisotropic MoS_2 nanoparticles for absorption and polarization control in the telecom wavelength range. <i>Physical Review B</i> , 2022, 106, .	1.1	12
589	Hybridized magnetic lattice resonances for narrowband perfect absorption. <i>Optics and Laser Technology</i> , 2022, 156, 108460.	2.2	6
590	Spectral analysis of localized surface phonon polaritons in resonant silicon carbide hollow cylinder array. <i>Journal of Optics (United Kingdom)</i> , 0, , .	1.0	0
591	Self-Assembled Ligand-Capped Plasmonic Au Nanoparticle Films in the Kretschmann Configuration for Sensing of Volatile Organic Compounds. <i>ACS Applied Nano Materials</i> , 2022, 5, 11494-11505.	2.4	11
592	Enhanced chirality of TDBC based on gap modes of surface plasmons in metal-air hole array structure. <i>European Physical Journal D</i> , 2022, 76, .	0.6	0
593	Spatially entangled photon pairs from lithium niobate nonlocal metasurfaces. <i>Science Advances</i> , 2022, 8, .	4.7	47
594	Liquid Crystal Switchable Surface Lattice Resonances in Plasmonic Metasurfaces. <i>ACS Photonics</i> , 2022, 9, 2702-2712.	3.2	4
595	RPA Plasmons in Graphene Nanoribbons: Influence of a VO ₂ Substrate. <i>Nanomaterials</i> , 2022, 12, 2861.	1.9	1
596	Surface Lattice Plasmon Resonances by Direct In Situ Substrate Growth of Gold Nanoparticles in Ordered Arrays. <i>Advanced Materials</i> , 2022, 34, .	11.1	17
597	Theoretical study of extremely narrow plasmonic surface lattice resonances observed by MIM nanogratings under normal incidence in asymmetric environments. <i>Nanotechnology</i> , 2022, 33, 445201.	1.3	1
598	Lattice Resonances Excited by Finite-Width Light Beams. <i>ACS Omega</i> , 2022, 7, 31431-31441.	1.6	16
599	Strong and tunable absorption in coupled nanoparticle cavity systems for plasmonically enhanced hot electron devices. <i>Optica</i> , 2022, 9, 1084.	4.8	1
600	Enhanced Figure of Merit via Hybridized Guided Mode Resonances in 2D Metallic Photonic Crystal Slabs. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	10
601	Preserving High-Q Lattice Plasmon Resonances for Poor Spatial Coherence of Light: Application in Enhanced Second Harmonic Generation. <i>Advanced Optical Materials</i> , 0, , 2200998.	3.6	2
602	Multipitched plasmonic nanoparticle grating for broadband light enhancement in white light-emitting organic diodes. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, .	1.1	0
603	Coupled modes enhance random lasing in plasmonic double grating structure. <i>Optics and Laser Technology</i> , 2022, 156, 108577.	2.2	3
604	Active spatial control of photothermal heating and thermo-actuated convective flow by engineering a plasmonic metasurface with heterodimer lattices. <i>Photonics Research</i> , 2022, 10, 2642.	3.4	2

#	ARTICLE	IF	CITATIONS
605	Second harmonic generation under doubly resonant lattice plasmon excitation. Optics Express, 2022, 30, 40884.	1.7	7
606	Fano plasmonics goes nonlinear. Journal of Chemical Physics, 2022, 157, .	1.2	1
607	Unveiling facet effects in metallic nanoparticles to design an efficient plasmonic nanostructure. Current Applied Physics, 2022, 44, 22-28.	1.1	4
608	Long-range dipole-dipole interactions in a plasmonic lattice. , 2022, , .		0
609	Ultra-High-Q Multi-Resonant Metasurface using Plasmonic Lattice in Inhomogeneous Medium. , 2022, , .		0
610	Bound states in the continuum in plasmonic metasurfaces. , 2022, , .		0
611	Influence of a gold nano-bumps surface lattice array on the propagation length of strongly coupled Tamm and surface plasmon polaritons. Journal of Materials Chemistry C, 2022, 10, 13234-13241.	2.7	8
612	Vibrational Polaritons in Disordered Molecular Ensembles. Journal of Physical Chemistry Letters, 2022, 13, 8369-8375.	2.1	14
613	Dual-Channel Mid-Infrared Toroidal Metasurfaces for Wavefront Modulation and Imaging Applications. Nanomaterials, 2022, 12, 3300.	1.9	0
614	Plasmon resonance of gold and silver nanoparticle arrays in the Kretschmann (attenuated total) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.6	14
615	Theoretical quantum model of two-dimensional propagating plexitons. Journal of Chemical Physics, 2022, 157, .	1.2	3
616	Resonant absorption of light by a two-dimensional imperfect lattice of spherical particles. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2022, 39, C36.	0.8	3
617	Experimental and theoretical investigation of waveguided plasmonic surface lattice resonances. Optics Express, 2022, 30, 37846.	1.7	0
618	Manipulating generalized Dirac cones in subwavelength dipolar arrays. Physical Review A, 2022, 106, .	1.0	1
619	Advanced Colloidal Sensors Enabled by an Out-of-plane Lattice Resonance. Advanced Photonics Research, 2022, 3, .	1.7	9
620	High-Q out-of-plane Mie electric dipole surface lattice resonances in silicon metasurfaces. Optics Express, 2022, 30, 34601.	1.7	9
621	Long-range interference of localized electromagnetic field enhancement in plasmonic nanofinger lattices. Frontiers in Physics, 0, 10, .	1.0	0
622	The primeval optical evolving matter by optical binding inside and outside the photon beam. Nature Communications, 2022, 13, .	5.8	8

#	ARTICLE	IF	CITATIONS
623	Linker-Templated Structure Tuning of Optical Response in Plasmonic Nanoparticle Gels. Journal of Physical Chemistry C, 2022, 126, 16885-16893.	1.5	7
624	Inverse designed plasmonic metasurface with parts per billion optical hydrogen detection. Nature Communications, 2022, 13, .	5.8	21
625	Control of in-plane light scattering using surface lattice resonances. , 2022, , .		0
626	Hexagonal-boron nitride/graphene van der Waals heterostructure-based wavelength-selective infrared absorbers using plasmonic metasurfaces for multi-spectral infrared photodetectors. Journal of the Optical Society of America B: Optical Physics, 2022, 39, 3149.	0.9	2
627	Stimulated emission tomography analysis of plasmonic nanoantennas. , 2022, , .		0
628	Low-symmetry nanophotonics. , 2022, , .		0
629	Multi-diffraction-order plasmonic lattice resonances. , 2022, , .		0
630	Recent progress on artificial propeller chirality and related circular dichroism engineering. Chinese Science Bulletin, 2022, , .	0.4	1
631	Enhancement of third harmonic generation induced by surface lattice resonances in plasmonic metasurfaces. Optics Letters, 2022, 47, 6025.	1.7	3
632	Bacterial DNA Recognition by SERS Active Plasma-Coupled Nanogold. Nano Letters, 2022, 22, 9757-9765.	4.5	3
633	Quantum coherence-enhanced optical properties and drag of photons and SPPs in semiconducting quantum dots and resonantly-coupled dotâ€™nanoparticle plasmonic interfaces. Journal of Physics and Chemistry of Solids, 2023, 172, 111088.	1.9	4
634	Loss-Driven Topological Transitions in Lasing. Physical Review Letters, 2022, 129, .	2.9	8
635	Al nanoparticles decorated Er:TiO2 thin film based plasmonic photodetector. Ceramics International, 2023, 49, 6289-6298.	2.3	1
636	Optical Control over Thermal Distributions in Topologically Trivial and Non-Trivial Plasmon Lattices. ACS Photonics, 2022, 9, 3656-3667.	3.2	6
637	Sensitive SERS detection of Tobramycin using electrochemically synthesized silver nanoparticles. Bulletin of Materials Science, 2022, 45, .	0.8	2
638	Optical Response of Periodic Arrays of Graphene Nanodisks. Physical Review Applied, 2022, 18, .	1.5	6
639	Flexible engineering of circular dichroism enabled by chiral surface lattice resonances. APL Photonics, 2022, 7, .	3.0	7
640	Metasurfaces as Energy Valves for Sustainable Energy Management. Micromachines, 2022, 13, 1769.	1.4	4

#	ARTICLE	IF	CITATIONS
641	Deterministic nanoantenna array design for stable plasmon-enhanced harmonic generation. <i>Nanophotonics</i> , 2023, 12, 619-629.	2.9	1
642	Recent advances in microresonators and supporting instrumentation for electron paramagnetic resonance spectroscopy. <i>Review of Scientific Instruments</i> , 2022, 93, .	0.6	6
643	Directed Assembly of Nanomaterials for Making Nanoscale Devices and Structures: Mechanisms and Applications. <i>ACS Nano</i> , 2022, 16, 17641-17686.	7.3	30
644	Ultrafast Demagnetization Control in Magnetophotonic Surface Crystals. <i>Nano Letters</i> , 2022, 22, 9773-9780.	4.5	8
645	Biomolecule-Based Optical Metamaterials: Design and Applications. <i>Biosensors</i> , 2022, 12, 962.	2.3	2
646	AuGa ₂ -based plasmonic nanocomposite with engineered d-band for enhanced photocatalytic and antibacterial activities. <i>Journal of Alloys and Compounds</i> , 2023, 934, 167945.	2.8	0
647	Linear optical elements based on cooperative subwavelength emitter arrays. <i>Optics Express</i> , 2023, 31, 6003.	1.7	3
648	Perfect absorption and phase singularities induced by surface lattice resonances for plasmonic nanoparticle array on a metallic film. <i>Optics Express</i> , 2022, 30, 45400.	1.7	7
649	Advances in modeling plasmonic systems. <i>Journal of Chemical Physics</i> , 2022, 157, 190401.	1.2	3
650	Surface lattice resonance in three-dimensional plasmonic arrays fabricated via self-assembly of silica-coated gold nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2023, 633, 226-232.	5.0	6
651	Highly sensitive and stable probe refractometer based on configurable plasmonic resonance with nano-modified fiber core. <i>Opto-Electronic Advances</i> , 2023, 6, 220072-220072.	6.4	9
652	SARS-CoV-2 proteins monitored by long-range surface plasmon field-enhanced Raman scattering with hybrid bowtie nanoaperture arrays and nanocavities. <i>Lab on A Chip</i> , 2023, 23, 388-399.	3.1	5
653	Green chemistry synthesis of wolframites: An investigation about stoichiometric ratios, optical, structural, vibrational, and physico-chemical properties. <i>Journal of Cleaner Production</i> , 2023, 385, 135528.	4.6	0
654	Photoluminescence engineering with nanoantenna phosphors. <i>Journal of Materials Chemistry C</i> , 2023, 11, 472-479.	2.7	3
655	Exciton-Plasmon Coupling Modulation between Organic-Inorganic Hybrid Bromide Lead Perovskites and Aluminum Nanoparticle Lattices. <i>Journal of Luminescence</i> , 2023, 255, 119608.	1.5	2
656	Gold nano-double-ring array sensor based on Fano resonance. <i>Optics Communications</i> , 2023, 530, 129172.	1.0	2
657	Tunable Slow Light Effect Induced by Quasi-dark and Dark Mode Coupling in Microwave Metamaterials. , 2022, , .		1
658	Elliptically Polarized Plasmon Resonances for Optical Polarization and Phase Control. , 2023, 1, 274-281.		0

#	ARTICLE	IF	CITATIONS
659	Off-Angle Amplified Spontaneous Emission of Upconversion Nanoparticles by Propagating Lattice Plasmons. ACS Applied Materials & Interfaces, 2022, 14, 54304-54312.	4.0	4
660	Plasmonic Surface Lattice Resonances in Suspended Symmetric Double-Layer Gratings. Photonics, 2022, 9, 890.	0.9	1
661	Controlling the magnetic and electric responses of dielectric nanoparticles via near-field coupling. Physical Review B, 2022, 106, .	1.1	2
662	Nanobionics-Driven Synthesis of Molybdenum Oxide Nanosheets with Tunable Plasmonic Resonances in Visible Light Regions. ACS Applied Materials & Interfaces, 2022, 14, 55285-55294.	4.0	8
663	Manipulating Dual Bound States in the Continuum for Efficient Spatial Light Modulator. Nano Letters, 2022, 22, 9982-9989.	4.5	10
664	Energy Efficient Single Pulse Switching of [Co/Gd/Pt] _N Nanodisks Using Surface Lattice Resonances. Advanced Science, 2023, 10, .	5.6	6
665	Transversal Kerr Effect Enhancement of Permalloy-Based Shallow Lamellar Magnetoplasmonic Crystals. Photonics, 2022, 9, 989.	0.9	0
666	Plasmonic bound states in the continuum to tailor light-matter coupling. Science Advances, 2022, 8, .	4.7	36
667	Actively Tunable THz Absorber for Switchable Operations Between Different Absorption Behaviors. IEEE Photonics Journal, 2022, 14, 1-5.	1.0	3
668	Polarization optical switching between supercell states of plasmonic metasurfaces. Physical Review A, 2022, 106, .	1.0	5
669	Theory of thermal radiation from a nanoparticle array. Applied Physics Letters, 2022, 121, .	1.5	6
670	Voltage-modulated surface plasmon resonance biosensors integrated with gold nanohole arrays. Biomedical Optics Express, 2023, 14, 182.	1.5	7
671	Rational Fabrication of Ag Nanocone Arrays Embedded with Ag NPs and Their Sensing Applications. ACS Omega, 2022, 7, 46769-46776.	1.6	2
672	Plasmonic bound states in the continuum for unpolarized weak spatially coherent light. Photonics Research, 2023, 11, 260.	3.4	12
673	Long-Range SERS Detection of the SARS-CoV-2 Antigen on a Well-Ordered Gold Hexagonal Nanoplate Film. Analytical Chemistry, 2022, 94, 17541-17550.	3.2	11
674	High Spectral Sensitivity of Strongly Coupled Hybrid Tamm-Plasmonic Resonances for Biosensing Application. Sensors, 2022, 22, 9453.	2.1	4
675	Circularly Polarized Photoluminescence from Nanostructured Arrays of Light Emitters. , 2023, 1, 491-499.		3
676	High-Quality Surface Plasmon Polaritons in Large-Area Sodium Nanostructures. Nano Letters, 2023, 23, 469-475.	4.5	10

#	ARTICLE	IF	CITATIONS
677	Nd ₂ O ₃ -Ag Nanostructures for Plasmonic Biosensing, Antimicrobial, and Anticancer Applications. ACS Applied Nano Materials, 2023, 6, 1129-1145.	2.4	24
678	Direct Observation of Lateral Field Confinement in Symmetry-Protected THz Bound States in the Continuum. Advanced Optical Materials, 2023, 11, .	3.6	1
679	Surface modification for improving immunoassay sensitivity. Lab on A Chip, 0, , .	3.1	1
680	High-output power GaN-LED based on surface plasmon enhancement. Journal of Optics (India), 0, , .	0.8	0
681	Extremely Ultranarrow Linewidth Based on Low-Symmetry Al Nanoellipse Metasurface. Nanomaterials, 2023, 13, 92.	1.9	1
682	Lattice Resonances for Thermoplasmonics. ACS Photonics, 2023, 10, 274-282.	3.2	7
683	Enhancement of Infrared-Emitting Quantum Dots Photoluminescence Via Plasmonic Nanoarrays. Bulletin of the Russian Academy of Sciences: Physics, 2022, 86, S196-S200.	0.1	2
684	Biofabrication of Silver Nanoparticles for Selective and Sensitive Colorimetric Detection of Hg(II) Ions. Asian Journal of Chemistry, 2023, 35, 153-158.	0.1	0
685	Surface Lattice Resonances in 3D Chiral Metacrystals for Plasmonic Sensing. Advanced Science, 2023, 10, .	5.6	11
686	Fabrication of Centimeter-Scale Plasmonic Nanoparticle Arrays with Ultranarrow Surface Lattice Resonances. ACS Nano, 2023, 17, 725-734.	7.3	9
687	Optical Anomalies due to Volume Collective Modes of Plasmonic Metamaterials. Laser and Photonics Reviews, 2023, 17, .	4.4	2
688	A comprehensive deep learning method for empirical spectral prediction and quantitative validation of nano-structured dimers. Scientific Reports, 2023, 13, .	1.6	5
689	Collective lattice and plasmonic resonances in the enhancement of circular dichroism in disk-rod metasurface. Journal of Applied Physics, 2023, 133, .	1.1	5
690	Tailored Dispersion of Spectro-Temporal Dynamics in Hot-Carrier Plasmonics. Advanced Science, 2023, 10, .	5.6	2
691	Visible-Range Multiple-Channel Metal-Shell Rod-Shaped Narrowband Plasmonic Metamaterial Absorber for Refractive Index and Temperature Sensing. Micromachines, 2023, 14, 340.	1.4	17
692	Large-area silicon photonic crystal supporting bound states in the continuum and optical sensing formed by nanoimprint lithography. Nanoscale Advances, 2023, 5, 1291-1298.	2.2	3
693	Tunable Metasurfaces Based on Mechanically Deformable Polymeric Substrates. Photonics, 2023, 10, 119.	0.9	3
694	Anomalous Picosecond Optical Transmittance Dynamics in Au-Bi:YIG Hybrid Metasurface. JETP Letters, 0, , .	0.4	1

#	ARTICLE	IF	CITATIONS
695	Optical Processes behind Plasmonic Applications. <i>Nanomaterials</i> , 2023, 13, 1270.	1.9	19
696	Femtosecond laser Wavelength-Dependent formation of plasmonic gold nanostructures. <i>Applied Surface Science</i> , 2023, 617, 156629.	3.1	2
697	Photon amplification and cavity-polariton-like generation in metallic nanoshells localized in optical cavity. <i>Optics Express</i> , 2023, 31, 5640.	1.7	0
698	Micro-ellipsometry of square lattices of plasmonic nanodiscs on dielectric substrates and in metal-insulator-metal configurations. <i>Micro and Nano Engineering</i> , 2023, 18, 100172.	1.4	0
699	Noninvasive analysis of exhaled breath for gastric cancer diagnosis using paper-based smartphone nano-optoelectronic noses. <i>Sensors and Actuators B: Chemical</i> , 2023, 381, 133411.	4.0	3
700	Emerging plasmonic nanoparticles and their assemblies for cancer radiotherapy. <i>Advanced Drug Delivery Reviews</i> , 2023, 194, 114710.	6.6	6
701	Non-Equilibrium Bose-Einstein Condensation of Exciton-Polaritons in Silicon Metasurfaces. <i>Advanced Optical Materials</i> , 2023, 11, .	3.6	4
702	Silver nanoparticle enhanced metal-organic matrix with interface-engineering for efficient photocatalytic hydrogen evolution. <i>Nature Communications</i> , 2023, 14, .	5.8	41
703	An ultra-high figure of merit refractive index sensor with Mie lattice resonance of a toroidal dipole in an all-dielectric metasurface array in the near-infrared. <i>Journal Physics D: Applied Physics</i> , 2023, 56, 115101.	1.3	3
704	Metallic Plasmonic Nanostructure Arrays for Enhanced Solar Photocatalysis. <i>Laser and Photonics Reviews</i> , 2023, 17, .	4.4	10
705	Influence of structural disorder on plasmonic metasurfaces and their colors—a coupled point dipole approach: tutorial. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2023, 40, B59.	0.9	1
706	Manipulating light-matter interaction into strong coupling regime for photon entanglement in plasmonic lattices. <i>Journal of Applied Physics</i> , 2023, 133, .	1.1	1
707	Homogenized transition conditions for plasmonic metasurfaces. <i>Physical Review B</i> , 2023, 107, .	1.1	0
708	Advances in Raman spectroscopy and imaging for biomedical research. <i>Advances in Optics and Photonics</i> , 2023, 15, 318.	12.1	4
709	Generalization of Self-Assembly Toward Differently Shaped Colloidal Nanoparticles for Plasmonic Superlattices. <i>Small Methods</i> , 2023, 7, .	4.6	2
710	Interaction of plasmonic bound states in the continuum. <i>Photonics Research</i> , 2023, 11, 724.	3.4	7
711	Perspective on functional metal-oxide plasmonic metastructures. <i>Journal of Applied Physics</i> , 2023, 133, 070901.	1.1	1
712	Understanding Spatial Distributions of Dye Molecules Coupled to the Surface Lattice Resonance Mode through Electrochemical Reaction Control. <i>Journal of Physical Chemistry Letters</i> , 2023, 14, 2268-2276.	2.1	1

#	ARTICLE	IF	CITATIONS
713	Dark and bright modes, and their coherent control in dipolar metasurface bilayers. <i>Physical Review A</i> , 2023, 107, .	1.0	1
714	Strongly enhanced sensitivities of CMOS compatible plasmonic titanium nitride nanohole arrays for refractive index sensing under oblique incidence. <i>Optics Express</i> , 2023, 31, 17389.	1.7	1
715	Multifunctional Optical Metasurface for Anomalous Reflection, Structural Color, and Surface Lattice Resonance. , 2023, , .		0
716	Surface plasmon enhanced InAs-based mid-wavelength infrared photodetector. <i>Applied Physics Letters</i> , 2023, 122, 091105.	1.5	0
717	Angle-resolved plasmonic photocapacitance of gold nanorod dimers. <i>Nanoscale Advances</i> , 2023, 5, 1943-1955.	2.2	1
718	Spatial nonlocality effect on the surface plasmon propagation in plasmonic nanospheres waveguide. <i>Journal of Physics Condensed Matter</i> , 2023, 35, 205301.	0.7	0
719	Entanglement generation by strong coupling between surface lattice resonance and exciton in an Al nanoarray-coated WS ₂ quantum emitter. , 2023, 18, .		1
720	Narrowband HgCdTe infrared photodetector with integrated plasmonic structure. <i>Optics Letters</i> , 2023, 48, 1882.	1.7	0
721	Optical Characterization of Plasmonic Indium Lattices Fabricated via Electrochemical Deposition. , 2023, 1, 753-758.		1
723	Magnetoplasmonics in confined geometries: Current challenges and future opportunities. <i>Applied Physics Letters</i> , 2023, 122, .	1.5	17
724	Surface Plasmon Electrochemistry: Tutorial and Review. <i>Chemosensors</i> , 2023, 11, 196.	1.8	2
725	Surface lattice resonance effect of double-ring array of metallic nano-particles. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2023, 72, 104201.	0.2	0
726	Two-Photon Polymerization Lithography for Optics and Photonics: Fundamentals, Materials, Technologies, and Applications. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	39
727	Plasmonic and metamaterial biosensors: a game-changer for virus detection. <i>Sensors & Diagnostics</i> , 2023, 2, 600-619.	1.9	5
728	Silver Nanoantenna Stickers for Photoluminescence Control. , 2023, 1, 870-877.		2
729	Virtual lattice resonance of a single nanoresonator in a metal nanoslit. <i>Physical Review A</i> , 2023, 107, .	1.0	0
730	Lattice relaxation effects on the collective resonance spectra of a finite dipole array. <i>Physical Chemistry Chemical Physics</i> , 2023, 25, 10054-10062.	1.3	1
731	Dispersion braiding and band knots in plasmonic arrays with broken symmetries. <i>Nanophotonics</i> , 2023, 12, 2963-2971.	2.9	0

#	ARTICLE	IF	CITATIONS
732	How Colloidal Lithography Limits the Optical Quality of Plasmonic Nanohole Arrays. <i>Langmuir</i> , 2023, 39, 5222-5229.	1.6	2
733	Engineering Fano-Resonant Hybrid Metastructures with Ultra-High Sensing Performances. <i>Advanced Optical Materials</i> , 2023, 11, .	3.6	8
734	Dual plasmonic modes in the visible light region in rectangular wave-shaped surface relief plasmonic gratings. <i>Scientific Reports</i> , 2023, 13, .	1.6	0
735	Plasmonic Polarization Rotation in SERS Spectroscopy. <i>Nano Letters</i> , 2023, 23, 2530-2535.	4.5	3
736	Control, Modulation, and Analytical Descriptions of Vibrational Strong Coupling. <i>Chemical Reviews</i> , 2023, 123, 5020-5048.	23.0	20
737	Lattice resonances of lossy transition metal and metalloid antennas. <i>MRS Advances</i> , 2023, 8, 138-147.	0.5	6
738	A high-performance UV photodetector with superior responsivity enabled by a synergistic photo/thermal enhancement of localized surface plasmon resonance. <i>Journal of Materials Chemistry C</i> , 2023, 11, 6227-6238.	2.7	1
739	Bound states in the continuum induced by the strong coupling within the plasmonic lattices. <i>Journal of Applied Physics</i> , 2023, 133, 153101.	1.1	0
740	Nonlinear nonlocal metasurfaces. <i>Applied Physics Letters</i> , 2023, 122, .	1.5	6
741	The Use of Plasmonic Metal Nanoparticles to Enhance The Opto-electronic Performance of Thin-Film/Ultrathin Film CdTe Solar Cells. , 2023, , .		2
742	Ultrasensitive Refractive Index Sensing Based on Hybrid High-Q Metasurfaces. <i>Journal of Physical Chemistry C</i> , 2023, 127, 8263-8270.	1.5	2
743	Fluorescent Aptasensor for Determination of 8-Oxo-2-deoxyguanosine in Urine Using Carbon Dots and Amine-Functionalized Gold Nanoparticles. <i>ACS Applied Nano Materials</i> , 2023, 6, 7055-7064.	2.4	1
744	Bandwidth-tunable absorption enhancement of visible and near-infrared light in monolayer graphene by localized plasmon resonances and their diffraction coupling. <i>Results in Physics</i> , 2023, 49, 106471.	2.0	22
751	Systematic Study of the Optimization of Cadmium Telluride (CdTe) Thin-film Solar Cell Performance Using Spherical Plasmonic Metal Nanoparticles. , 2022, , .		1
763	Micro-Weighing Based Biosensor with Adaptive Interferometry. , 0, , .		0
782	Plexcitonics: plasmon-exciton coupling for enhancing spectroscopy, optical chirality, and nonlinearity. <i>Nanoscale</i> , 2023, 15, 11834-11851.	2.8	2
795	Recent review of surface plasmons and plasmonic hot electron effects in metallic nanostructures. <i>Frontiers of Physics</i> , 2023, 18, .	2.4	1
815	Label-free optical biosensing: going beyond the limits. <i>Chemical Society Reviews</i> , 2023, 52, 6554-6585.	18.7	6

#	ARTICLE	IF	CITATIONS
823	Sustainable and CMOS compatible plasmonics. , 2024, , 103-137.		0
826	Fundamentals of plasmonic materials. , 2024, , 3-33.		0
844	Plasmonic Signals Modified by Dielectric Layers and Exploited by Multivariate Analysis. , 2023, , .		0
845	Dynamic Dielectric Metasurfaces Based on Lattice Resonances: Tuning and Switching Effects via Superstrate-to-Substrate Dielectric Contrast. , 2023, , .		0
846	Enhancing Nonlinear Effects Through Lattice Plasmon Excitation in Plasmonic Metasurfaces. , 2023, , .		0
847	Second Harmonic Generation in Periodical Metal-Insulator-Metal Nanoparticle Arrays. , 2023, , .		0
855	Dielectric lattices working in ultraviolet region. , 2023, , .		0
868	Optofluidic Control of Colours with Metasurfaces. , 2023, , .		0
901	Directional scattering of dielectric nanoantennas. , 2024, , 71-113.		0
906	Nanophotonic biosensors. , 2024, , 197-218.		0
921	A Biochemical Sensor Based on a Surface Lattice Resonance Metasurface in the Near-Infrared Band. , 2024, , .		0