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1232	Fluorescence enhancement through modified dye molecule absorption associated with the localized surface plasmon resonances of metallic dimers. 2008 , 10, 105002		27
1231	Attosecond physics: an easier route to high harmony. <i>Nature</i> , 2008 , 453, 731-3	50.4	3
1230	Applied physics. Plasmonics applied. 2008 , 322, 868-9		255
1229	Optical properties of Au/Ag core/shell nanoshuttles. 2008 , 16, 14288-93		54
1228	Localized surface plasmon resonance effects on the magneto-optical activity of continuous Au/Co/Au trilayers. 2008 , 16, 16104-12		80
1227	Nonlinear processes induced by the enhanced, evanescent field of surface plasmons excited by femtosecond laser pulses. 2008 , 16, 21656-61		15
1226	High Temperature Seedless Synthesis of Au NRs Using BDAC/CTAB Co-surfactant. 2008 , 21, 476-480		7
1225	UV light from gold nano-bow ties. 2008 ,		
1224	First high harmonic generation (HHG) in a photonic crystal fiber (PCF). 2009 ,		
1223	Imaging of plasmonic modes of silver nanoparticles using high-resolution cathodoluminescence spectroscopy. 2009 , 3, 2965-74		98
1222	Effects of quantum tunneling in metal nanogap on surface-enhanced Raman scattering. 2009 , 94, 243102		62
1221	High harmonic generation by plasmonic enhancement of femtosecond laser pulses. 2009 ,		
1220	Spatio-temporal control of local plasmon on noble metal nano-structures by ultra-broad femtosecond laser excitation. 2009 ,		
1219	Photoemission electron microscopy using extreme ultraviolet attosecond pulse trains. 2009 , 80, 123703		62
1218	Feasibility of coherent xuv spectroscopy on the 1S Σ S transition in singly ionized helium. 2009 , 79,		95
1217	Measurements of modal symmetry in subwavelength plasmonic slot waveguides. 2009 , 95, 203109		11

1216	Nanoengineering and characterization of gold dipole nanoantennas with enhanced integrated scattering properties. 2009 , 20, 425203	29
1215	Phase-stable single-pass cryogenic amplifier for high repetition rate few-cycle laser pulses. 2009 , 11, 083029	14
1214	Evaluation of electromagnetic enhancement of surface enhanced hyper Raman scattering using plasmonic properties of binary active sites in single Ag nanoaggregates. 2009 , 130, 214706	34
1213	Plasmonic lens made of multiple concentric metallic rings under radially polarized illumination. 2009 , 9, 4320-5	209
1212	High harmonics generation by plasmonic field enhancement. 2009 ,	
1211	Direct Metal Nano-patterning Using Embossed Solid Electrolyte. 2009 , 1156, 1	2
1210	Ultrafast electronic spectroscopy for chemical analysis near liquid water interfaces: concepts and applications. 2009 , 96, 117-135	44
1209	High harmonic generation in a gas-filled hollow-core photonic crystal fiber. 2009 , 97, 369-373	65
1208	Photon-induced near-field electron microscopy. <i>Nature</i> , 2009 , 462, 902-6	50.4 359
1207	Optical antenna thermal emitters. 2009 , 3, 658-661	264
1206	Terahertz field enhancement by a metallic nano slit operating beyond the skin-depth limit. 2009 , 3, 152-156	405
1205	Controlling the near-field oscillations of loaded plasmonic nanoantennas. 2009 , 3, 287-291	365
1204	Tightly trapped acoustic phonons in photonic crystal fibres as highly nonlinear artificial Raman oscillators. 2009 , 5, 276-280	150
1203	Enhanced transmission of light through periodic and chirped lattices of nanoholes. 2009 , 282, 2023-2027	6
1202	Nano-textured metallic surfaces for optical sensing and detection applications. 2009 , 207, 126-134	34
1201	New Horizons of Nanoplasmonics: from SPASER to Attoseconds. 2009 ,	
1200	Efficient nonlinear light emission of single gold optical antennas driven by few-cycle near-infrared pulses. 2009 , 103, 257404	194
1199	Crucial role of the adhesion layer on the plasmonic fluorescence enhancement. 2009 , 3, 2043-8	129

1198	Comparing experiment and theory in plasmonics. 2009 , 11, 114002	37
1197	High-order harmonic generation from C60-rich plasma. 2009 , 80,	46
1196	Application of high harmonic radiation in surface science. 2009 , 13, 13-27	34
1195	Nanoimprint fabrication of gold nanocones with approximately 10 nm tips for enhanced optical interactions. 2009 , 34, 1979-81	42
1194	Second-harmonic generation from split-ring resonators on a GaAs substrate. 2009 , 34, 1997-9	91
1193	Discontinuous Galerkin time-domain computations of metallic nanostructures. 2009 , 17, 14934-47	40
1192	Effects of vertex truncation of polyhedral nanostructures on localized surface plasmon resonance. 2009 , 17, 14967-76	19
1191	Low-threshold supercontinuum generation in glasses doped with silver nanoparticles. 2009 , 17, 17989-95	17
1190	Direct near-field optical imaging of UV bowtie nanoantennas. 2009 , 17, 20301-6	28
1189	Hybridized nanocavities as single-polarized plasmonic antennas. 2009 , 17, 20900-10	21
1188	Third-harmonic generation from arrays of sub-wavelength metal apertures. 2009 , 17, 23582-8	32
1187	Optical antennas and plasmonics. 2009 , 50, 407-423	71
1186	Surface plasmon resonance enhanced magneto-optics (SuPREMO): Faraday rotation enhancement in gold-coated iron oxide nanocrystals. 2009 , 9, 1644-50	236
1185	Impedance matching and emission properties of nanoantennas in an optical nanocircuit. 2009 , 9, 1897-902	167
1184	Nanowire plasmon excitation by adiabatic mode transformation. 2009 , 102, 203904	193
1183	Direct imaging of surface plasmon excitation with radially polarized beam. 2009 ,	1
1182	Localized surface-plasmon resonances in periodic nondiffracting metallic nanoparticle and nanohole arrays. <i>Physical Review B</i> , 2009 , 79,	3-3 103
1181	Deterministic spatiotemporal control of optical fields in nanoantennas and plasmonic circuits. <i>Physical Review B</i> , 2009 , 79,	3-3 53

1180	Time of flight-photoemission electron microscope for ultrahigh spatiotemporal probing of nanoplasmonic optical fields. 2009 , 21, 314005	27
1179	Fabry-Pérot nanocavities in multilayered plasmonic crystals for enhanced biosensing. 2009 , 95, 051105	72
1178	Strong polarization dependence of plasmon-enhanced fluorescence on single gold nanorods. 2009 , 9, 3896-903	348
1177	Search for the Ideal Plasmonic Nanoshell: The Effects of Surface Scattering and Alternatives to Gold and Silver. 2009 , 113, 3041-3045	167
1176	Design of nanostructures for high harmonic generation by localized surface plasmon resonance. 2009 ,	
1175	Surface Plasmon-Enhanced Photoemission and Electron Acceleration with Ultrashort Laser Pulses. 2009 , 1-26	8
1174	Development of an intracavity EUV Source based on a high-power Ti:sapphire oscillator. 2010 ,	1
1173	Optical response of bowtie antennas. 2010 ,	
1172	Probing ultrafast nano-localized plasmonic fields via XUV light generation. 2010 ,	
1171	Plasmonic nanoantennas for broad-band enhancement of two-photon emission from semiconductors. 2010 , 10, 1848-52	60
1170	Interaction between plasmonic nanoparticles revisited with transformation optics. 2010 , 105, 233901	101
1169	Broadband nano-focusing of light using kissing nanowires. 2010 , 12, 093030	63
1168	All-optical control of the ultrafast dynamics of a hybrid plasmonic system. 2010 , 104, 113903	58
1167	The spaser as a nanoscale quantum generator and ultrafast amplifier. 2010 , 12, 024004	275
1166	Plasmonic coupling in noble metal nanostructures. 2010 , 487, 153-164	688
1165	Time-Resolved Photoelectron Spectroscopy at Surfaces Using Femtosecond XUV Pulses. 2010 , 499-535	6
1164	Simultaneous Spatial and Temporal Control of Nanooptical Fields. 2010 , 555-577	
1163	Double-resonance plasmon-driven enhancement of nonlinear optical response in a metamaterial with coated nanoparticles. 2010 , 92, 210-213	6

1162	Plasmonics for extreme light concentration and manipulation. 2010 , 9, 193-204	3116
1161	Plasmon-enhanced high-order harmonic generation in the vicinity of metal nanostructures. 2010 ,	
1160	High harmonic generation by guided surface plasmon polaritons. 2010 ,	3
1159	Manipulation of near field polarization by far field excitation. 2010 ,	
1158	High quality factor, small mode volume, ring-type plasmonic microresonator on a silver chip. 2010 , 43, 035402	50
1157	Spontaneous emission of radiation by metallic electrons in the presence of electromagnetic fields of surface plasmon oscillations. 2010 , 57, 80-90	6
1156	Tip-enhanced strong-field photoemission. 2010 , 105, 147601	186
1155	Large tunable photonic band gaps in nanostructured doped semiconductors. <i>Physical Review B</i> , 2010 , 82,	33 7
1154	Surface wave Cherenkov maser based on a periodic lattice. 2010 , 96, 261101	23
1153	NOVEL METHOD FOR CANCER CELL APOPTOSIS BY LOCALIZED UV LIGHT WITH GOLD NANOSTRUCTURES: A THEORETICAL INVESTIGATION. 2010 , 05, 325-332	4
1152	Microjoule Pulses from a High-Efficient Ytterbium-Doped Yttrium Aluminum Garnet Chirped-Pulse Oscillator. 2010 , 49, 022702	0
1151	Two-photon Absorption Enhancement with Gold Nanoantenna Array. 2010 ,	
1150	Free-standing optical gold bowtie nanoantenna with variable gap size for enhanced Raman spectroscopy. 2010 , 10, 4952-5	410
1149	Review on subwavelength confinement of light with plasmonics. 2010 , 57, 1479-1497	67
1148	Metallization of nanofilms in strong adiabatic electric fields. 2010 , 105, 086803	41
1147	Large enhancement of nonlinear optical phenomena by plasmonic nanocavity gratings. 2010 , 10, 4880-3	172
1146	A scanning tunneling microscope as a tunable nanoantenna for atomic scale control of optical-field enhancement. 2010 , 10, 3857-62	12
1145	Colloidal quantum dots as probes of excitation field enhancement in photonic antennas. 2010 , 4, 4571-8	27

1144	Plasmon-modulated light scattering from gold nanocrystal-decorated hollow mesoporous silica microspheres. 2010 , 4, 6565-72	31
1143	Vertically oriented sub-10-nm plasmonic nanogap arrays. 2010 , 10, 2231-6	34 ⁰
1142	Linear and nonlinear optical characteristics of composites containing metal nanoparticles with different sizes and shapes. 2010 , 18, 7488-96	65
1141	Subwavelength broadband splitters and switches for femtosecond plasmonic signals. 2010 , 18, 11810-20	25
1140	Near-field nanofocusing through a combination of plasmonic Bragg reflector and converging lens. 2010 , 18, 14762-7	19
1139	Subwavelength electromagnetic dynamics in stacked complementary plasmonic crystal slabs. 2010 , 18, 15389-98	19
1138	Continuous-wave and modelocked Yb:YCOB thin disk laser: first demonstration and future prospects. 2010 , 18, 19201-8	51
1137	High harmonic generation by novel fiber amplifier based sources. 2010 , 18, 20242-50	38
1136	A photonic-crystal optical antenna for extremely large local-field enhancement. 2010 , 18, 24163-77	13
1135	Observation of few-cycle, strong-field phenomena in surface plasmon fields. 2010 , 18, 24206-12	62
1134	Localized surface plasmon resonance interaction with Er ³⁺ -doped tellurite glass. 2010 , 18, 25321-8	65
1133	Nonlocal ponderomotive nonlinearity in plasmonics. 2010 , 35, 1551-3	61
1132	Optical switching in metal-slit arrays on nonlinear dielectric substrates. 2010 , 35, 4211-3	11
1131	A numerical investigation of the effect of vertex geometry on localized surface plasmon resonance of nanostructures. 2010 , 18, 843-53	50
1130	Multiple excitation of localized surface plasmon to create a 10 nm x 10 nm strong optical spot using an Au nanoparticle array-based ridge waveguide. 2010 , 18, 1576-85	6
1129	Enhancing Light Coupling With Plasmonic Optical Antennas. 2010 , 271-291	1
1128	A universal model of surface plasmon resonance characteristics for isotropic multilayer films. 2010 ,	1
1127	Atomically flat single-crystalline gold nanostructures for plasmonic nanocircuitry. 2010 , 1, 150	314

1126	Cascaded optical field enhancement in composite plasmonic nanostructures. 2010 , 105, 246806	33
1125	Nanoscale Photonics and Optoelectronics. 2010 ,	11
1124	Metamaterials. 2010 ,	164
1123	Spontaneous Emission Control in a Plasmonic Structure. 2010 , 1-26	
1122	Excitation of terahertz plasmons eigenmode of a parallel plane guiding system by an electron beam. 2010 , 108, 123303	9
1121	Two-Photon Photoemission of Plasmonic Nanostructures with High Temporal and Lateral Resolution. 2010 , 407-425	1
1120	High-throughput nanofabrication of infrared plasmonic nanoantenna arrays for vibrational nanospectroscopy. 2010 , 10, 2511-8	171
1119	Drude relaxation rate in grained gold nanoantennas. 2010 , 10, 916-22	153
1118	Photoconductively loaded plasmonic nanoantenna as building block for ultracompact optical switches. 2010 , 10, 1741-6	128
1117	Composite au nanostructures for fluorescence studies in visible light. 2010 , 10, 874-9	30
1116	Mode imaging and selection in strongly coupled nanoantennas. 2010 , 10, 2105-10	115
1115	Angle- and energy-resolved plasmon coupling in gold nanorod dimers. 2010 , 4, 3053-62	144
1114	Spatiotemporal control of nanooptical excitations. 2010 , 107, 5329-33	121
1113	Backward-wave nonlinear-optical microchip. 2010 ,	
1112	Omnidirectional 3D nanoplasmonic optical antenna array via soft-matter transformation. 2011 , 11, 2590-5	25
1111	Generation of isolated attosecond extreme ultraviolet pulses employing nanoplasmonic field enhancement: optimization of coupled ellipsoids. 2011 , 13, 073010	52
1110	Numerical simulation of attosecond nanoplasmonic streaking. 2011 , 13, 083003	34
1109	Characterizing Plasmons in Nanoparticles and Their Assemblies with Single Particle Spectroscopy. 2011 , 2, 2015-2023	70

1108	Excitation and tuning of higher-order Fano resonances in plasmonic oligomer clusters. 2011 , 5, 8202-11	121
1107	Scalable manufacturing of plasmonic nanodisk dimers and cusp nanostructures using salting-out quenching method and colloidal lithography. 2011 , 5, 5838-47	25
1106	Field enhancement in subnanometer metallic gaps. <i>Physical Review B</i> , 2011 , 83,	3-3 41
1105	Analysis of periodic metallic nano-slits for efficient interaction of terahertz and optical waves at nano-scale dimensions. 2011 , 109, 084326	59
1104	Plasmonic light trapping in nanostructured metal surfaces. 2011 , 98, 203104	46
1103	The influence of Hausdorff dimension on plasmonic antennas with Pascal's triangle geometry. 2011 , 98, 261105	5
1102	Low absorption losses of strongly coupled surface plasmons in nanoparticle assemblies. 2011 , 108, 19879-84	49
1101	Optical Enhancement and Structural Properties of a Hybrid Organic-Inorganic Ternary Nanocomposite. 2011 , 115, 5435-5439	14
1100	Spectral analysis of enhanced third harmonic generation from plasmonic excitations. 2011 , 98, 261909	15
1099	Plasmonic oligomers: the role of individual particles in collective behavior. 2011 , 5, 2042-50	238
1098	Plasmon resonance in individual nanogap electrodes studied using graphene nanoconstrictions as photodetectors. 2011 , 11, 1814-8	86
1097	Highly plasmon-enhanced upconversion emissions from Au@ErNaYF ₄ :Yb,Tm hybrid nanostructures. 2011 , 47, 7671-3	169
1096	Maskless plasmonic lithography at 22 nm resolution. 2011 , 1, 175	130
1095	Nonponderomotive electron acceleration in ultrashort surface-plasmon fields. 2011 , 84,	7
1094	Silver Nanoparticles Enhanced Upconversion Luminescence in Er ³⁺ /Yb ³⁺ Codoped Bismuth-Germanate Glasses. 2011 , 115, 25040-25045	73
1093	On chip plasmonic monopole nano-antennas and circuits. 2011 , 11, 5219-26	62
1092	Light funneling mechanism explained by magnetoelectric interference. 2011 , 107, 093902	75
1091	Direct and reliable patterning of plasmonic nanostructures with sub-10-nm gaps. 2011 , 5, 7593-600	207

1090	Plasmonic focusing in symmetry broken nanocorrals. 2011 , 11, 893-7	124
1089	Universal scaling and Fano resonance in the plasmon coupling between gold nanorods. 2011 , 5, 5976-86	106
1088	Plasmonic interaction between overlapping nanowires. 2011 , 5, 597-607	47
1087	Plasmonic hybridization between nanowires and a metallic surface: a transformation optics approach. 2011 , 5, 3293-308	78
1086	A bimetallic nanoantenna for directional colour routing. 2011 , 2, 481	259
1085	Enhancement of optical processes in coupled plasmonic nanocavities [Invited]. 2011 , 50, G56-62	8
1084	High-resolution mapping of electron-beam-excited plasmon modes in lithographically defined gold nanostructures. 2011 , 11, 1323-30	216
1083	Shot noise limited characterization of ultraweak femtosecond pulse trains. 2011 , 19, 679-86	2
1082	Active control over nanofocusing with nanorod plasmonic antennas. 2011 , 19, 5888-94	22
1081	Second harmonic generation based on strong field enhancement in nanostructured THz materials. 2011 , 19, 7262-73	36
1080	Multi-gigawatt ultrashort pulses at high repetition rate and average power from two-stage nonlinear compression. 2011 , 19, 7546-52	12
1079	Sierpiński fractal plasmonic antenna: a fractal abstraction of the plasmonic bowtie antenna. 2011 , 19, 10456-61	52
1078	Ultrasmall bullets of light--focusing few-cycle light pulses to the diffraction limit. 2011 , 19, 14451-63	23
1077	Nanoscale plasmonic contour bowtie antenna operating in the mid-infrared. 2011 , 19, 15532-7	34
1076	Generation of μ W level plateau harmonics at high repetition rate. 2011 , 19, 19374-83	43
1075	Resonance modes, cavity field enhancements, and long-range collective photonic effects in periodic bowtie nanostructures. 2011 , 19, 19660-7	15
1074	High-order harmonic generation employing field enhancement by metallic fractal rough surfaces. 2011 , 19, 20910-5	10
1073	Nanoplasmonics: past, present, and glimpse into future. 2011 , 19, 22029-106	827

1072	Continuous-wave ultraviolet emission through fourth-harmonic generation in a whispering-gallery resonator. 2011 , 19, 24139-46	29
1071	Polarization gating and circularly-polarized high harmonic generation using plasmonic enhancement in metal nanostructures. 2011 , 19, 25346-54	53
1070	Ultra-high enhancement of the field concentration in split ring resonators by azimuthally polarized excitation. 2011 , 19, 25454-64	21
1069	Extremely large extinction efficiency and field enhancement in terahertz resonant dipole nanoantennas. 2011 , 19, 26088-94	46
1068	16 fs, 350 nJ pulses at 5 MHz repetition rate delivered by chirped pulse compression in fibers. 2011 , 36, 1107-9	24
1067	Light focusing by slot Fabry-Perot photonic crystal nanoresonator on scanning tip. 2011 , 36, 1917-9	5
1066	Single-pass high-harmonic generation at 20.8 MHz repetition rate. 2011 , 36, 3428-30	53
1065	Coherent and incoherent second harmonic generation in planar G-shaped nanostructures. 2011 , 36, 3681-3	15
1064	Group and phase velocity coupling of colliding pulses in a nanostructure. 2011 , 36, 3885-7	1
1063	Third harmonic generation by a low intensity laser pulse in a corrugated discharge capillary. 2011 , 99, 211501	1
1062	Self-assembly of large-scale and ultrathin silver nanoplate films with tunable plasmon resonance properties. 2011 , 5, 9082-92	165
1061	Electromagnetic properties of resonant magnetoplasmonic core-shell nanostructures. 2011 , 109, 014302	12
1060	Quantitative study of the enhancement of bulk nonlinearities in metamaterials. 2011 , 84,	15
1059	Femtosecond nanofocusing with full optical waveform control. 2011 , 11, 4309-13	112
1058	Holes avoid decoherence. 2011 , 5, 647-649	6
1057	Nanophotonics for 21st Century. 2011 ,	
1056	Plasmonic field enhancement for generating ultrashort extreme-ultraviolet light pulses. 2011 ,	3
1055	Antennas for light. 2011 , 5, 83-90	1938

1054	Plasmon nano-optical tweezers. 2011 , 5, 349-356	990
1053	Controlled near-field enhanced electron acceleration from dielectric nanospheres with intense few-cycle laser fields. 2011 , 7, 656-662	193
1052	Applications of Next Generation Optical Data Storage Technologies. 2011 , 47, 669-678	5
1051	Electrically controlled nonlinear generation of light with plasmonics. 2011 , 333, 1720-3	194
1050	THz generation from plasmonic nanoparticle arrays. 2011 , 11, 4718-24	84
1049	Lanthanum-molybdenum multilayer mirrors for attosecond pulses between 80 and 130 eV. 2011 , 13, 063038	22
1048	Attosecond control of electrons emitted from a nanoscale metal tip. <i>Nature</i> , 2011 , 475, 78-81	50.4 424
1047	Higher harmonics with plasmonics. 2011 , 5, 646-647	2
1046	Plasmonic generation of ultrashort extreme-ultraviolet light pulses. 2011 , 5, 677-681	255
1045	Controlling the synthesis and assembly of silver nanostructures for plasmonic applications. <i>Chemical Reviews</i> , 2011 , 111, 3669-712	68.1 2056
1044	Resonances on-demand for plasmonic nano-particles. 2011 , 11, 2329-33	62
1043	Nonlinear-optical metamirror. 2011 , 103, 725-729	8
1042	Comparison of femtosecond laser-induced damage on unstructured vs. nano-structured Au-targets. 2011 , 104, 15-21	23
1041	Nonlinear photoelectron emission from metal surfaces induced by short laser pulses: the effects of field enhancement by surface plasmons. 2011 , 105, 509-515	10
1040	Nonlinear photonics with metallic nanostructures on top of dielectrics and waveguides. 2011 , 105, 51-65	10
1039	Surface Plasmon Resonances of Clustered Nanoparticles. 2011 , 6, 407-412	11
1038	Plasmonic Nanolithography: A Review. 2011 , 6, 565-580	70
1037	Ultrafast fiber lasers for strong-field physics experiments. 2011 , 5, 634-646	16

1036	Flexible plasmonics on unconventional and nonplanar substrates. 2011 , 23, 4422-30	187
1035	Steering the optical response with asymmetric bowtie 2-color controllers in the visible and near infrared range. 2011 , 284, 3474-3478	12
1034	Photochemical reaction fields with strong coupling between a photon and a molecule. 2011 , 221, 130-137	17
1033	Observation of asymmetric spectrum broadening induced by silver nanoparticles in a heavy-metal oxide glass. 2011 , 94, 37011	9
1032	Attosecond physics with a laser oscillator enabled by field enhancement at a nanoscale metal tip. 2011 ,	
1031	Vectorial phase retrieval for linear characterization of attosecond pulses. 2011 , 107, 133902	18
1030	Theory of plasmon-enhanced high-order harmonic generation in the vicinity of metal nanostructures in noble gases. 2011 , 83,	121
1029	Probing the out-of-plane optical response of plasmonic nanostructures using spectroscopic ellipsometry. <i>Physical Review B</i> , 2011 , 84,	3.3 24
1028	A system for doing surface science with attosecond pulses. 2011 ,	
1027	Polarization gating for high-harmonic generation in the vicinity of metal nanostructures. 2011 ,	
1026	Long-term CEP-stable few-cycle pulses using the feed-forward method in an all-monolithic setup. 2011 ,	
1025	Carrier-envelope phase dependent photoemission from a nanometric metal tip. 2011 ,	1
1024	Stacked optical antennas. 2011 , 98, 023111	14
1023	X-ray enhancement in a nanohole target irradiated by intense ultrashort laser pulses. 2011 , 109, 053301	13
1022	Seeing protein monolayers with naked eye through plasmonic Fano resonances. 2011 , 108, 11784-9	373
1021	High harmonic generation assisted by the field enhancement near rough metallic surface. 2011 ,	
1020	High harmonic generation as a seed source for free electron lasers. 2011 , 58, 1351-1361	1
1019	Narrow-bandwidth high-order harmonics driven by long-duration hot spots. 2012 , 14, 063036	5

1018	Fully microscopic analysis of laser-driven finite plasmas using the example of clusters. 2012 , 14, 065011	26
1017	Estimating the plasmonic field enhancement using high-order harmonic generation: the role of the field inhomogeneity. 2012 , 59, 1634-1639	19
1016	Optical fiber tip for field-enhanced second harmonic generation. 2012 , 37, 4017-9	11
1015	Local-field enhancement effect on the nonlinear optical response of gold-silver nanoplanets. 2012 , 20, 4537-47	58
1014	Extreme ultraviolet light source based on intracavity high harmonic generation in a mode locked Ti:sapphire oscillator with 9.4 MHz repetition rate. 2012 , 20, 6185-90	26
1013	Silencing and enhancement of second-harmonic generation in optical gap antennas. 2012 , 20, 10498-508	86
1012	Huge local field enhancement in perfect plasmonic absorbers. 2012 , 20, 21888-95	35
1011	Preservation of photon indistinguishability after transmission through surface-plasmon-polariton waveguide. 2012 , 37, 1535-7	22
1010	Long-term carrier-envelope-phase-stable few-cycle pulses by use of the feed-forward method. 2012 , 37, 2076-8	45
1009	Nonlinear response of a silicon waveguide enhanced by a metal grating. 2012 , 51, 5752-7	1
1008	Second-order nonlinear frequency conversion processes in plasmonic slot waveguides. 2012 , 29, 1606	24
1007	Plasmonic grating as a nonlinear converter-coupler. 2012 , 20, 1392-405	16
1006	Reliable SERS substrates by the controlled assembly of nanoparticles. 2012 ,	1
1005	Nanoplasmonic generation of ultrashort EUV pulses. 2012 ,	
1004	Strong field acceleration and steering of ultrafast electron pulses from a sharp metallic nanotip. 2012 , 109, 244803	82
1003	Diffraction resonance with strong optical-field enhancement from gain-assisted hybrid plasmonic structure. 2012 , 100, 161904	6
1002	Generation of a broadband xuv continuum in high-order-harmonic generation by spatially inhomogeneous fields. 2012 , 85,	119
1001	Nonthermal emission of energetic ions from a metal surface irradiated by extremely low-fluence femtosecond laser pulses. <i>Physical Review B</i> , 2012 , 86,	33 20

1000	Sub-diffraction optical coherent control of ultrafast electrical currents in antenna devices on GaAs. 2012 , 101, 251119	2
999	Quantum mechanical study of plasmonic coupling in sodium nanoring dimers. 2012 , 101, 061906	8
998	Pinned modes in lossy lattices with local gain and nonlinearity. 2012 , 86, 036608	17
997	Resonant harmonic generation and collective spin rotations in electrically driven quantum dots. <i>Physical Review B</i> , 2012 , 86, 3-3	28
996	Plasmon hybridization for enhanced nonlinear optical response. 2012 , 20, 29923-30	12
995	Optimal open-loop near-field control of plasmonic nanostructures. 2012 , 14, 033030	20
994	The guidance for bowtie antennas design in near-field enhancement applications. 2012 ,	1
993	Time-Resolved Surface Photoelectron Spectroscopy of Photoexcited Electron and Hole Dynamics on GaAs Using 92 eV Laser Harmonic Source. 2012 , 51, 072401	6
992	Nanowire-based plasmonic waveguides and devices for integrated nanophotonic circuits. 2012 , 1, 155-169	96
991	A nanoplasmonic contour bowtie antenna for nanoscale confinement of mid-infrared radiation. 2012 ,	
990	Femtosecond quantum optics with semiconductor nanostructures. 2012 , 487-527	
989	Excitation enhancement of a quantum dot coupled to a plasmonic antenna. 2012 , 24, OP314-20	67
988	Fabrication of Nanoengineered Metallic Structures and Their Application to Nonlinear Photochemical Reactions. 2012 , 85, 843-853	7
987	Effects of dielectric substrate properties for optical phenomena in a nanoscale ridge aperture. 2012 , 14, 045001	3
986	How chain plasmons govern the optical response in strongly interacting self-assembled metallic clusters of nanoparticles. 2012 , 28, 8881-90	68
985	Transformation-optics description of plasmonic nanostructures containing blunt edges/corners: from symmetric to asymmetric edge rounding. 2012 , 6, 6492-506	30
984	Collective effects in second-harmonic generation from split-ring-resonator arrays. 2012 , 109, 015502	135
983	Quantitative experimental determination of scattering and absorption cross-section spectra of individual optical metallic nanoantennas. 2012 , 109, 233902	53

982	Fast fabrication of a Ag nanostructure substrate using the femtosecond laser for broad-band and tunable plasmonic enhancement. 2012 , 6, 5190-7	58
981	Nonlinear plasmonics. 2012 , 6, 737-748	1751
980	Quantum-orbit analysis of high-order-harmonic generation by resonant plasmon field enhancement. 2012 , 86,	84
979	Above-threshold ionization by few-cycle spatially inhomogeneous fields. 2012 , 86,	31
978	Bridging quantum and classical plasmonics with a quantum-corrected model. 2012 , 3, 825	675
977	Pseudo volume plasmon in arrays of doped and un-doped semiconductors. 2012 , 109, 927-934	
976	Quantum optical response of metallic nanoparticles and dimers. 2012 , 37, 5015-7	12
975	Enhancement of high harmonic generation by confining electron motion in plasmonic nanostructures. 2012 , 20, 26261-74	118
974	Controlling surface plasmon interference in branched silver nanowire structures. 2012 , 4, 7149-54	22
973	Dispersive ground plane core-shell type optical monopole antennas fabricated with electron beam induced deposition. 2012 , 6, 8226-32	14
972	Magnetic-electric interference in metal-dielectric-metal oligomers: generation of magneto-electric Fano resonance. 2012 , 2, 1407	26
971	Carrier-envelope phase-tagged imaging of the controlled electron acceleration from SiO ₂ nanospheres in intense few-cycle laser fields. 2012 , 14, 075010	35
970	Multiresonant broadband optical antennas as efficient tunable nanosources of second harmonic light. 2012 , 12, 4997-5002	164
969	Fano resonant ring/disk plasmonic nanocavities on conducting substrates for advanced biosensing. 2012 , 6, 9989-95	240
968	High-order harmonic generation at 4 MHz as a light source for time-of-flight photoemission spectroscopy. 2012 , 101, 071116	39
967	Enhancement of a Two-Photon-Induced Reaction in Solution Using Light-Harvesting Gold Nanodimer Structures. 2012 , 3, 1443-7	35
966	High-order harmonic generation in graphite plasma plumes using ultrashort laser pulses: a systematic analysis of harmonic radiation and plasma conditions. 2012 , 45, 165402	57
965	Synthesis and bioanalytical applications of specific-shaped metallic nanostructures: a review. 2012 , 716, 76-91	59

964	Designing and deconstructing the Fano lineshape in plasmonic nanoclusters. 2012 , 12, 1058-62	187
963	Quantitative modeling of the third harmonic emission spectrum of plasmonic nanoantennas. 2012 , 12, 3778-82	134
962	Tuning the plasmon resonance of a nano-mouth array. 2012 , 4, 5576-80	29
961	Deep subwavelength spatial characterization of angular emission from single-crystal Au plasmonic ridge nanoantennas. 2012 , 6, 1742-50	42
960	Second-harmonic generation imaging of metal nano-objects with cylindrical vector beams. 2012 , 12, 3207-12	125
959	Quantum plasmonics: nonlinear effects in the field enhancement of a plasmonic nanoparticle dimer. 2012 , 12, 1333-9	378
958	Engineering high harmonic generation in semiconductors via pulse shaping. 2012 ,	
957	Metallic nanocavity-enhanced second harmonic generation from a KNbO ₃ nonlinear nanowire. 2012 , 10, 534-539	2
956	Kim et al. reply. <i>Nature</i> , 2012 , 485, E2-E3	50.4 71
955	High-throughput nanostructured SERS substrates by self-assembly. 2012 ,	
954	Controlled in situ growth of tunable plasmonic self-assembled nanoparticle arrays. 2012 , 23, 035606	19
953	Nonlinear Optics. 2012 , 161-251	3
952	High-order-harmonic generation from inhomogeneous fields. 2012 , 85,	117
951	Electron rescattering at metal nanotips induced by ultrashort laser pulses. <i>Physical Review B</i> , 2012 , 86,	3.3 60
950	Introduction of Materials and Architectures at the Nanoscale. 2012 , 35-66	1
949	Electric field enhancement at multiple densities in laser-irradiated nanotube plasma. 2012 , 79, 443-456	
948	Broad-band near-infrared plasmonic nanoantennas for higher harmonic generation. 2012 , 6, 3537-44	90
947	Stable nonlinear amplification of solitons without gain saturation. 2012 , 97, 44003	12

946	Mapping of gold nanostructure-enhanced near fields via laser scanning second-harmonic generation and ablation. 2012 , 6, 063515		9
945	Optical frequency mixing through nanoantenna enhanced difference frequency generation: Metatronic mixer. <i>Physical Review B</i> , 2012 , 86,	3-3	16
944	Distinct plasmonic manifestation on gold nanorods induced by the spatial perturbation of small gold nanospheres. 2012 , 12, 1424-30		95
943	Tailoring spatiotemporal light confinement in single plasmonic nanoantennas. 2012 , 12, 992-6		139
942	Generation of isolated attosecond pulses using a plasmonic funnel-waveguide. 2012 , 14, 103038		16
941	References. 387-445		
940	Localized Surface Plasmon Resonances: Noble Metal Nanoparticle Interaction with Rare-Earth Ions. 2012 ,		21
939	Plasmon-Controlled Fluorescence: Beyond the Intensity Enhancement. 2012 , 3, 191-202		339
938	Nanostructure-enhanced atomic line emission. <i>Nature</i> , 2012 , 485, E1-2; discussion E2-3	50.4	127
937	Nanoplasmonics: classical down to the nanometer scale. 2012 , 12, 1683-9		326
936	Field-driven photoemission from nanostructures quenches the quiver motion. <i>Nature</i> , 2012 , 483, 190-3	50.4	292
935	High-order harmonic generation with μ laser pulses at high repetition rates. 2012 , 45, 074020		75
934	Rainbow radiating single-crystal Ag nanowire nanoantenna. 2012 , 12, 2331-6		30
933	Nanoantennas for visible and infrared radiation. 2012 , 75, 024402		599
932	Surface plasmon polaritons: physics and applications. 2012 , 45, 113001		214
931	Optimization of the Field Enhancement and Spectral Bandwidth of Single and Coupled Bimetal CoreShell Nanoparticles for Few-Cycle Laser Applications. 2012 , 7, 99-106		10
930	Power supply sources based on resonant energy harvesting. 2012 , 18, 1181-1192		9
929	Surface plasmon lasers: sources of nanoscopic light. 2012 , 15, 26-34		77

928	Fabrication of periodical structure and shape-induced modulating spectroscopy of Au nanoparticles. 2012 , 285, 2472-2477	8
927	The localized near-field enhancement of metallic periodic bowtie structure: An oscillating dipoles picture. 2012 , 407, 2223-2228	9
926	. 2012 , 18, 507-519	19
925	Plasmonic nanogap tilings: light-concentrating surfaces for low-loss photonic integration. 2013 , 7, 7093-100	9
924	Reduced linewidth multipolar plasmon resonances in metal nanorods and related applications. 2013 , 5, 6985-91	60
923	Nanoscale imaging and spontaneous emission control with a single nano-positioned quantum dot. 2013 , 4, 1447	60
922	Assembly of polymer-gold nanostructures with high reproducibility into a monolayer film SERS substrate with 5 nm gaps for pesticide trace detection. 2013 , 138, 5832-8	68
921	Ponderomotive Self-focusing of Surface Plasma Wave. 2013 , 8, 1135-1139	8
920	Unified hydrodynamic approach to laser field plasmon excitations in metal nanoparticles with general shape. <i>Physical Review B</i> , 2013 , 88,	3.3 1
919	Single nano-hole as a new effective nonlinear element for third-harmonic generation. 2013 , 10, 075901	14
918	A nanohole in a thin metal film as an efficient nonlinear optical element. 2013 , 117, 21-31	2
917	Numerical Methods for Metamaterial Design. 2013 ,	27
916	Eigenmode Decomposition of the Near-Field Enhancement in Localized Surface Plasmon Resonances of Metallic Nanoparticles. 2013 , 8, 391-402	17
915	Numerical Investigation of a Castle-like Contour Plasmonic Nanoantenna with Operating Wavelengths Ranging in Ultraviolet/Visible, Visible Light, and Infrared Light. 2013 , 8, 755-761	11
914	Terahertz Dipole Nanoantenna Arrays: Resonance Characteristics. 2013 , 8, 133-138	28
913	Manipulating and probing the growth of plasmonic nanoparticle arrays using light. 2013 , 5, 4923-30	12
912	Nano-antenna-assisted harmonic generation. 2013 , 113, 75-79	16
911	Ablation of nanoparticles and efficient harmonic generation using a 1-kHz laser. 2013 , 88,	33

910	Generation and bistability of a waveguide nanoplasma observed by enhanced extreme-ultraviolet fluorescence. 2013 , 111, 085001	24
909	Tracking the relaxation pathway of photo-excited electrons in 1T-TiSe ₂ . 2013 , 222, 997-1004	6
908	Near-Field Optical Microscopy of Plasmonic Nanostructures. 2013 , 527-562	
907	Thermal Tuning of Surface Plasmon Polaritons Using Liquid Crystals. 2013 , 1, 915-920	42
906	Plasmonic Coupling Effect in Silver Spongelike Networks Nanoantenna for Large Increases of Surface Enhanced Raman Scattering. 2013 , 117, 26295-26304	13
905	Polarization-controlled tunable directional coupling of surface plasmon polaritons. 2013 , 340, 331-4	830
904	Third-order nonlinear plasmonic materials: Enhancement and limitations. 2013 , 88,	12
903	Excitation of surface waves by a short laser pulse in a conductor. 2013 , 43, 1132-1138	13
902	Harvesting light with transformation optics. 2013 , 56, 1-13	15
901	General approach to the analysis of plasmonic structures using spectroscopic ellipsometry. <i>Physical Review B</i> , 2013 , 87,	3-3 19
900	A resonant scanning dipole-antenna probe for enhanced nanoscale imaging. 2013 , 13, 5070-4	18
899	Near-field optical response of periodically arrayed plasmonic nanogap antennas. 2013 , 114, 024306	3
898	High-order harmonic generation in laser surface ablation: current trends. 2013 , 56, 772-800	18
897	Light absorber based on nano-spheres on a substrate reflector. 2013 , 21, 6697-706	34
896	High-harmonic generation with plasmonics: feasible or unphysical?. 2013 , 525, A40-A42	25
895	Characterizing the optical near-field in the vicinity of a sharp metallic nanoprobe by angle-resolved electron kinetic energy spectroscopy. 2013 , 525, 135-142	22
894	Polaritonic metamaterial for super-resolution trapping and sensing. 2013 ,	
893	Control of electron dynamics with a multicycle two-color spatially inhomogeneous field for efficient single-attosecond-pulse generation. 2013 , 88,	25

892	Coherent multiphoton photoelectron emission from single au nanorods: the critical role of plasmonic electric near-field enhancement. 2013 , 7, 87-99	32
891	Generation of EUV radiation by plasmonic field enhancement using nano-structured bowties and funnel-waveguides. 2013 , 525, 87-96	32
890	Observation of quantum tunneling between two plasmonic nanoparticles. 2013 , 13, 564-9	407
889	SERS in Ordered Array of Geometrically Controlled Nanodots Obtained Using Anodic Porous Alumina. 2013 , 117, 2531-2534	40
888	Gold nanorods and their plasmonic properties. 2013 , 42, 2679-724	1330
887	Nanoplasmonic near-field synthesis. 2013 , 87,	6
886	Plasmon-enhanced nonlinear optical properties of SiC nanoparticles. 2013 , 24, 055703	26
885	Ultrasensitive optical shape characterization of gold nanoantennas using second harmonic generation. 2013 , 13, 1787-92	77
884	Extreme-ultraviolet light generation in plasmonic nanostructures. 2013 , 9, 304-309	145
883	High-Order Harmonic Generation from Laser Ablation of Various Surfaces. 2013 , 43-88	
882	Augmenting second harmonic generation using Fano resonances in plasmonic systems. 2013 , 13, 1847-51	174
881	Ultrafast strong-field photoemission from plasmonic nanoparticles. 2013 , 13, 674-8	179
880	Plasmon-enhanced chemical reactions. 2013 , 1, 5790	230
879	High-order-harmonic generation by enhanced plasmonic near-fields in metal nanoparticles. 2013 , 87,	68
878	Real-Time, Subwavelength Terahertz Imaging. 2013 , 43, 237-259	47
877	Spectroscopic Ellipsometry and Magneto-Optical Kerr Spectroscopy of Magnetic Garnet Thin Films Incorporating Plasmonic Nanoparticles. 2013 , 325-339	
876	Attosecond Absorption Spectroscopy. 2013 , 135-150	
875	From Above-Threshold Photoemission to Attosecond Physics at Nanometric Tungsten Tips. 2013 , 213-224	

874	Plasmonic ZnO/Ag embedded structures as collecting layers for photogenerating electrons in solar hydrogen generation photoelectrodes. 2013 , 9, 2926-36	72
873	Plasmonic properties and device in nanostructures. 2013 , 112, 15-22	1
872	Surface plasmon-enhanced photochemical reactions. 2013 , 15, 31-52	155
871	Plasmon-enhanced-attosecond-extreme ultraviolet source. 2013 , 110, 223903	13
870	Free-standing sub-10 nm nanostencils for the definition of gaps in plasmonic antennas. 2013 , 24, 185301	28
869	Spaser, Plasmonic Amplification, and Loss Compensation. 2013 , 1-39	8
868	Nonlinear Effects in Plasmonic Systems. 2013 , 41-67	2
867	Size and Shape Resonances in Second Harmonic Generation from Silver Nanocavities. 2013 , 117, 22377-22382	54
866	Analysis of transmittance properties of surface plasmon modes on periodic solid/outline bowtie nanoantenna arrays. 2013 , 20, 064503	38
865	Sign-reversed and magnitude-enhanced nonlinear absorption of Au@SiO ₂ core-shell hetero-nanorods. 2013 , 102, 163112	24
864	Nonlinear Plasmonics: Four-photon Near-field Photolithography using Optical Antennas. 2013 , 8, 1655-1665	3
863	Electron-momentum distributions and photoelectron spectra of atoms driven by an intense spatially inhomogeneous field. 2013 , 87,	33
862	Two-dimensional crystals: managing light for optoelectronics. 2013 , 7, 5660-5	327
861	Strong nonlinear electron multiplication without impact ionization in dielectric nanoparticles embedded in optical materials. 2013 , 20, 022306	4
860	Cutting-Edge High-Power Ultrafast Thin Disk Oscillators. 2013 , 3, 355-395	28
859	Plasmonic waveguide modes of film-coupled metallic nanocubes. 2013 , 13, 5866-72	189
858	Ultrafast Third-Order Optical Nonlinearity in Au Triangular Nanoprism with Strong Dipole and Quadrupole Plasmon Resonance. 2013 , 117, 20127-20132	46
857	Highly uniform and optical visualization of SERS substrate for pesticide analysis based on Au nanoparticles grafted on dendritic Fe ₂ O ₃ . 2013 , 5, 11193-9	47

856	Giant Electric Field Enhancement and Localized Surface Plasmon Resonance by Optimizing Contour Bowtie Nanoantennas. 2013 , 117, 25004-25011	34
855	Gold Split-Ring Resonators (SRRs) as Substrates for Surface-Enhanced Raman Scattering. 2013 , 117, 21908-21915	15
854	Efficient isolated attosecond emission in a pre-excited medium using noncarrier-envelope phase-stabilized nanoplasmonic fields. 2013 , 30, 2469	6
853	Carrier-envelope-phase control of plasmonic-field enhanced high-order harmonic generation. 2013 , 60, 1466-1474	21
852	Dipole-excited surface plasmons in metallic nanoparticles: Engineering decay dynamics within the discrete-dipole approximation. <i>Physical Review B</i> , 2013 , 87, 3-3	33
851	Optical trapping of nanoparticles by ultrashort laser pulses. 2013 , 96, 1-18	30
850	New progress of plasmonics in complex metal nanostructures. 2013 , 56, 2327-2336	8
849	Second harmonic generation in non-electrically-poled NLO polymers excited by surface plasmon enhanced electric field. 2013 ,	1
848	Bow-tie nano-antenna assisted generation of extreme ultraviolet radiation. 2013 , 15, 093027	57
847	Quantum effects and nonlocality in strongly coupled plasmonic nanowire dimers. 2013 , 21, 27306-25	127
846	Surface integral method for second harmonic generation in metal nanoparticles including both local-surface and nonlocal-bulk sources. 2013 , 30, 2355	32
845	Dispersion relation, propagation length and mode conversion of surface plasmon polaritons in silver double-nanowire systems. 2013 , 21, 14591-605	36
844	Dipole plasmon resonance induced large third-order optical nonlinearity of Au triangular nanoprism in infrared region. 2013 , 21, 17568-75	27
843	Fano resonance formula for lossy two-port systems. 2013 , 21, 17751-9	24
842	Co-enhancing and -confining the electric and magnetic fields of the broken-nanoring and the composite nanoring by azimuthally polarized excitation. 2013 , 21, 20611-9	14
841	Above-threshold ionization by few-cycle phase jump pulses. 2013 , 21, 24309-17	6
840	Low mode-locking threshold induced by surface plasmon field enhancement of gold nanoparticles. 2013 , 21, 27992-8000	13
839	Efficient second harmonic generation using nonlinear substrates patterned by nano-antenna arrays. 2013 , 21, 29165-78	28

838	Resonant near-infrared emission of Er ³⁺ ions in plasmonic arrays of subwavelength square holes. 2013 ,	3
837	Finite element simulation of a perturbed axial-symmetric whispering-gallery mode and its use for intensity enhancement with a nanoparticle coupled to a microtoroid. 2013 , 21, 14169-80	35
836	Diffraction-assisted extreme ultraviolet proximity lithography for fabrication of nanophotonic arrays. 2013 , 31, 021602	12
835	Interaction of the Femtosecond Laser Pulses with the New Silica Nanocomposites Containing Au and CdS. 2013 , 834-836, 60-63	1
834	Control of higher spectral components by spatially inhomogeneous fields in quantum wells. 2013 , 88,	22
833	Attosecond x-ray source generation from two-color polarized gating plasmonic field enhancement. 2013 , 20, 122307	37
832	High energy photoelectron emission from gases using plasmonic enhanced near-fields. 2013 , 10, 105302	20
831	Coupled edge plasmon modes of metal/dielectric multi-wedges. 2013 , 22, 067303	1
830	Helium focused ion beam fabricated plasmonic antennas with sub-5 nm gaps. 2013 , 24, 395301	62
829	Beyond carbon K-edge harmonic emission using spatially and temporally synthesized laser field. 2013 ,	
828	Gas population effects in harmonic emission by plasmonic fields. 2013 , 87,	63
827	Self-frequency summing in quantum dot photonic crystal nanocavity lasers. 2013 , 103, 243115	7
826	Quantum-orbit analysis of above-threshold ionization driven by an intense spatially inhomogeneous field. 2013 , 87,	34
825	Analysis of gold nanoantennas utilizing plasmonic field enhancement for high-order harmonic generation. 2013 ,	
824	Wavelength dependence of high-order-harmonic yield in inhomogeneous fields. 2013 , 88,	26
823	Beyond carbon K-edge harmonic emission using a spatial and temporal synthesized laser field. 2013 , 110, 053001	101
822	High order harmonic generation in noble gases using plasmonic field enhancement. 2013 , 525, 97-106	54
821	High-order harmonic generation by a spatially inhomogeneous field. 2013 , 525, 107-117	49

820	Coupling of a single quantum emitter to end-to-end aligned silver nanowires. 2013 , 102, 103106	17
819	The generation of MHz isolated XUV attosecond pulses by plasmonic enhancement in a tailored symmetric Ag cross nanoantenna with a few-cycle laser. 2013 , 23, 045301	4
818	Ultra-short isolated attosecond emission in mid-infrared inhomogeneous fields without CEP stabilization. 2013 , 46, 145602	75
817	Enhanced Fano resonance in silver ellipsoidal plasmonic crystal cavity. 2013 , 114, 234305	6
816	High-harmonic and single attosecond pulse generation using plasmonic field enhancement in ordered arrays of gold nanoparticles with chirped laser pulses. 2013 , 21, 2195-205	49
815	A resonance-based solar element: a numerical model and micro/nano technology application. 2013 ,	2
814	Second harmonic generation in NLO polymers excited by Surface Plasmon enhanced electric field induced by femtosecond optical pulses. 2013 , 41, 09008	
813	Modified bow-tie antenna with strong broadband field enhancement for RF photonic applications. 2013 ,	7
812	Plasmonic enhancement of High Harmonic Generation revisited: Predominance of Atomic Line Emission. 2013 , 41, 01014	3
811	Oscillator-based High-order Harmonic Generation at 4MHz for Applications in Time-of-Flight Photoemission Spectroscopy. 2013 , 41, 01019	1
810	Breaking the Axial Symmetry of Plasmonic Nanoantennas. 2013 ,	
809	Strong field-induced frequency conversion of laser radiation in plasma plumes: recent achievements. 2013 , 2013, 127670	1
808	. 2014 ,	5
807	Plasmonic metamaterials. 2014 , 3,	49
806	Optical Response of Metallic Nanoparticle Heteroaggregates with Subnanometric Gaps. 2014 , 31, 152-160	31
805	Unidirectional emissions from dielectric photonic circuits decorated with plasmonic phased antenna arrays. 2014 , 23, 037301	2
804	High-order harmonic generation using a high-repetition-rate turnkey laser. 2014 , 85, 123106	26
803	Nonsequential double ionization of diatomic molecules by elliptically polarized laser pulses. 2014 , 23, 103302	2

802	High-order plasmon resonances in an Ag/Al ₂ O ₃ core/shell nanorice. 2014 , 23, 027303	7
801	Plasmonic mode mixing in nanoparticle dimers with nm-separations via substrate-mediated coupling. 2014 , 7, 1344-1354	11
800	Isolated few-attosecond emission in a multi-cycle asymmetrically nonhomogeneous two-color laser field. 2014 , 47, 225602	19
799	Plasmonic metasurface for efficient ultrashort pulse laser-driven particle acceleration. 2014 , 17,	20
798	Lightfast optical current in dielectric by plasmonically induced local field. 2014 ,	
797	Actinic critical dimension measurement of contaminated extreme ultraviolet mask using coherent scattering microscopy. 2014 , 32, 031601	2
796	Cylindrical channel plasmon resonance for single-molecule sensing. 2014 ,	1
795	Second-harmonic generation enhancement in the presence of Tamm plasmon-polaritons. 2014 , 39, 6895-8	24
794	A polarization-sensitive mid-infrared plasmonic absorber for multi-band resonance. 2014 ,	
793	Observation of strongly enhanced ultrashort pulses in 3-D metallic funnel-waveguide. 2014 , 22, 17360-9	
792	High-order harmonic generation from Rydberg atoms in inhomogeneous fields. 2014 , 22, 25909-22	16
791	Convenient ultra-broadband femtosecond optical gating utilizing transient beam deflection effect. 2014 , 22, 31417-25	1
790	Nanofocusing of terahertz wave in a tapered hyperbolic metal waveguide. 2014 , 22, 32071-81	6
789	Plasmonic nano-comb structures for efficient large-area second harmonic generation. 2014 , 22, 17116-21	1
788	Band modulation and in-plane propagation of surface plasmons in composite nanostructures. 2014 , 22, 25700-9	7
787	Generation of isolated sub-10-attosecond pulses in spatially inhomogeneous two-color fields. 2014 , 22, 26153-61	86
786	Theoretical study on the generation of a low-noise plasmonic hotspot by means of a trench-assisted circular nano-slit. 2014 , 22, 26844-53	6
785	Interferences induced by spatially nonhomogeneous fields in high-harmonic generation. 2014 , 89,	12

784	Spectral response of localized surface plasmon in resonance with mid-infrared light. 2014 , 116, 153103	19
783	Efficient supercontinuum generation by UV-assisted midinfrared plasmonic fields. 2014 , 89,	23
782	Nanogaps for SERS applications. 2014 , 39, 163-168	78
781	Near-field plasmonic coupling for enhanced nonlinear absorption by femtosecond pulses in bowtie nanoantenna arrays. 2014 , 117, 1841-1848	5
780	Quasi-phase-matched high-harmonic generation in composites of metal nanoparticles and a noble gas. 2014 , 90,	17
779	Polarization-controlled circular second-harmonic generation from metal hole arrays with threefold rotational symmetry. 2014 , 112, 135502	82
778	High-order-harmonic generation driven by metal nanotip photoemission: Theory and simulations. 2014 , 89,	16
777	Nonlinear Optical Switching and Enhanced Nonlinear Optical Response of Au/Al ₂ O ₃ /Se Heteronanostructures. 2014 , 118, 30333-30341	65
776	Plasmon-enhanced terahertz emission in self-assembled quantum dots by femtosecond pulses. 2014 , 115, 064304	21
775	Hybrid plasmonic ring resonator at subwavelength scale in the visible spectrum. 2014 , 8, 083990	
774	Harmonic Extension and Enhancement Using a Two-Color Chirped Pulse and an Ultrashort Ultraviolet Pulse. 2014 , 47, 781-789	3
773	Bowtie nanoantennas with symmetry breaking. 2014 , 9, 093798	4
772	Plasmon-enhanced four-wave mixing by nanoholes in thin gold films. 2014 , 39, 1001-4	9
771	An analytic approach to modeling the optical response of anisotropic nanoparticle arrays at surfaces and interfaces. 2014 , 26, 145302	5
770	Threshold reduction by multidimensional photonic confinement in metal-organic microcavities. 2014 ,	3
769	Silver nanoparticles enhanced luminescence of Eu ³⁺ -doped tellurite glass. 2014 , 154, 316-321	42
768	Influence of center fractal patterns on the transmission spectrum and electric field intensity enhancement in gold/glass plasmonic nanostructures. 2014 , 119, 79-82	2
767	Principal tests and verification of a resonance-based solar harvester utilizing micro/nano technology. 2014 , 20, 845-860	7

766	Nano-antennae assisted emission of extreme ultraviolet radiation. 2014 , 526, 119-134	10
765	Third-harmonic-upconversion enhancement from a single semiconductor nanoparticle coupled to a plasmonic antenna. 2014 , 9, 290-4	304
764	Attosecond and XUV Physics: Ultrafast Dynamics and Spectroscopy. 2014 , 1-16	4
763	Two-color optically synchronized ultrashort pulses from a Tm/Yb-co-doped fiber amplifier. 2014 , 39, 2008-11	20
762	Antenna-coupled microcavities for terahertz emission. 2014 , 104, 031108	5
761	Attosecond Nanophysics. 2014 , 421-462	5
760	Huge local electric field enhancement in hybrid plasmonic arrays. 2014 , 39, 1302-5	25
759	Nonlinear quantum tunneling effects in nanoplasmonic environments: two-photon absorption and harmonic generation. 2014 , 31, A13	25
758	Spectral interferometric microscopy reveals absorption by individual optical nanoantennas from extinction phase. 2014 , 5, 3748	20
757	Doubling the efficiency of third harmonic generation by positioning ITO nanocrystals into the hot-spot of plasmonic gap-antennas. 2014 , 14, 2867-72	137
756	3D nanostar dimers with a sub-10-nm gap for single-/few-molecule surface-enhanced raman scattering. 2014 , 26, 2353-8	222
755	Coherent phase-matched VUV generation by field-controlled bound states. 2014 , 8, 437-441	59
754	ClassSTRONG: Classical simulations of strong field processes. 2014 , 185, 398-406	20
753	Extremely Local Electric Field Enhancement and Light Confinement in Dielectric Waveguide. 2014 , 26, 1426-1429	5
752	Plasmonics in composite nanostructures. 2014 , 17, 372-380	52
751	Pinned modes in two-dimensional lossy lattices with local gain and nonlinearity. 2014 , 372,	6
750	Extension of high-order harmonic generation cutoff via control of chirped laser pulses in the vicinity of metal nanostructure media. 2014 , 4, 59064-59070	9
749	Optical properties and interparticle coupling of plasmonic bowtie nanoantennas on a semiconducting substrate. <i>Physical Review B</i> , 2014 , 90,	33 23

748	On-demand shape and size purification of nanoparticle based on surface area. 2014 , 6, 13145-53	28
747	Third-Harmonic Generation Enhancement by Film-Coupled Plasmonic Stripe Resonators. 2014 , 1, 1212-1217	96
746	Ultrathin open-ended porous TiO ₂ membranes for surface nanopatterning in fabricating nanodot arrays. 2014 , 50, 14317-20	2
745	Giant field enhancement in electromagnetic Helmholtz nanoantenna. <i>Physical Review B</i> , 2014 , 90,	3-3 8
744	Fabrication of suspended metal-dielectric-metal plasmonic nanostructures. 2014 , 25, 135303	14
743	Ultrafast Plasmonics on Gold Nanowires: Confinement, Dispersion, and Pulse Propagation. 2014 , 1, 1173-1180	12
742	Toward plasmonics with nanometer precision: nonlinear optics of helium-ion milled gold nanoantennas. 2014 , 14, 4778-84	142
741	Light wave driven electron dynamics in clusters. 2014 , 526, 135-156	6
740	Weakly relativistic electron dynamics and efficient X-ray photon emission driven by an ultraintense extreme-ultraviolet laser field. 2014 , 195, 132-138	2
739	Plasmon Mediated Multiphoton Photoemission Microscopy of Au Nanoholes and Nanohole Dimers. 2014 , 118, 6959-6971	5
738	Giant optical nonlinearity of plasmonic nanostructures. 2014 , 44, 547-551	3
737	High-order harmonic generation at high laser intensities beyond the tunnel regime. 2014 , 68, 1	2
736	Surface plasmon polaritons in topological insulators. <i>Physical Review B</i> , 2014 , 89,	3-3 15
735	Enhancement of ultrafast electron photoemission from metallic nanoantennas excited by a femtosecond laser pulse. 2014 , 11, 065301	30
734	Integrated Grating-Nanoslot Probe Tip for Near-Field Subwavelength Light Confinement and Fluorescent Sensing. 2014 , 20, 184-194	1
733	Coherent XUV generation driven by sharp metal tips photoemission. 2014 , 68, 1	10
732	Ultrafast plasmonic nanowire lasers near the surface plasmon frequency. 2014 , 10, 870-876	217
731	Direct observation of bosonic quantum interference of surface plasmon polaritons using photon-number-resolving detectors. <i>Physical Review B</i> , 2014 , 90,	3-3 24

730	Arrays of ZnO nanorods decorated with Au nanoparticles as surface-enhanced Raman scattering substrates for rapid detection of trace melamine. 2014 , 451, 58-62		18
729	Modeling the optical properties of bowtie antenna generated by self-assembled ag triangular nanoprisms. 2014 , 6, 4134-42		44
728	Near infrared few-cycle pulses for high harmonic generation. 2014 , 47, 204013		2
727	Greatly enhanced Raman scattering and upconversion luminescence of Au@LaYF ₄ nanocomposites. 2014 , 156, 164-169		11
726	Quantum conductivity for metal-insulator-metal nanostructures. 2014 , 31, 259		38
725	Atomic line emission and high-order harmonic generation in argon driven by 4-MHz sub-ps laser pulses. 2014 , 89,		8
724	Quantum-classical model for the surface plasmon enhanced photoemission process at metal surfaces. <i>Physical Review B</i> , 2014 , 89,	3-3	5
723	Measuring the second-order coherence of a nanolaser by intracavity frequency doubling. 2014 , 89,		11
722	Tailoring plasmonic field within two-color laser using metallic nanostructure for the generation of high harmonics. 2014 ,		1
721	High-order harmonics in a quantum dot and metallic nanorod complex. 2015 , 40, 4903-6		17
720	Exploring new avenues in high repetition rate table-top coherent extreme ultraviolet sources. 2015 , 4, e320-e320		68
719	Generation of an isolated few-attosecond pulse in optimized inhomogeneous two-color fields. 2015 , 92,		10
718	Ultrashort-attosecond-pulse generation by reducing harmonic chirp with a spatially inhomogeneous electric field. 2015 , 92,		19
717	Molecular harmonic extension and enhancement from H ₂ ⁺ ions in the presence of spatially inhomogeneous fields. 2015 , 92,		98
716	Numerical studies of light-matter interaction driven by plasmonic fields: The velocity gauge. 2015 , 92,		9
715	Singular perturbations approach to localized surface-plasmon resonance: Nearly touching metal nanospheres. <i>Physical Review B</i> , 2015 , 92,	3-3	8
714	Delocalization of Nonlinear Optical Responses in Plasmonic Nanoantennas. 2015 , 115, 197401		27
713	High-order-harmonic generation from H ₂ ⁺ molecular ions near plasmon-enhanced laser fields. 2015 , 92,		38

712	Spatiotemporal properties of nanoshell plasmonic response for strong-field experiments. <i>Physical Review B</i> , 2015 , 91,	3.3	2
711	Rational design of metallic nanocavities for resonantly enhanced four-wave mixing. 2015 , 5, 10033		17
710	The Laser. 2015 , 162-183		
709	Giant electric field enhancement in split ring resonators featuring nanometer-sized gaps. 2015 , 5, 8051		26
708	A Large-Scale Flexible Plasmonic Nanorod Array with Multifunction of Strong Photoluminescence Emission and Radiation Enhancement. 2015 , 3, 1355-1361		6
707	High-order harmonic generation driven by plasmonic fields:the velocity gauge. 2015 , 635, 092106		
706	Enhancement of surface electrical current on silicon via nanodiamond particles deposited by pulsed spray technique. 2015 , 212, 2862-2868		12
705	Interband transition enhanced third harmonic generation from nanoplasmonic gold?. 2015 , 5, 2217		18
704	. 2015 ,		
703	Transformation of truncated gold octahedrons into triangular nanoprisms through the heterogeneous nucleation of silver. 2015 , 7, 6827-35		25
702	Surface plasmon polariton assisted optical switching in noble bimetallic nanoparticle system. 2015 , 106, 023101		7
701	Well-designed metal nanostructured arrays for label-free plasmonic biosensing. 2015 , 3, 6479-6492		36
700	Towards an optical far-field measurement of higher-order multipole contributions to the scattering response of nanoparticles. 2015 , 106, 091108		6
699	Improved fluorescence properties of core-shell electrospun nanofibers sensitized by silver nanoparticles. 2015 , 47, 263-269		6
698	Surface-enhanced Raman scattering on gold nanowire array formed by mechanical deformation using anodic porous alumina molds. 2015 , 8, 062002		8
697	Squeezing Photons into a Point-Like Space. 2015 , 15, 4102-7		72
696	Features of Local Electric Field Excitation in Asymmetric Nanocross Illuminated by Ultrafast Laser Pulse. 2015 , 10, 1573-1580		7
695	High Order Gap Modes of Film-Coupled Nanospheres. 2015 , 119, 13799-13806		10

694	Enhanced and controllable nonlinear effects in composite with aligned gold spheroid arrays. 2015 , 24, 1550013	1
693	Nonlinear absorption tuning by composition control in bimetallic plasmonic nanoprism arrays. 2015 , 7, 12411-8	27
692	Size and shape dependent few-cycle near-field dynamics of bowtie nanoantennas. 2015 , 23, 31460-71	11
691	Limitations of Extreme Nonlinear Ultrafast Nanophotonics. 2015 , 4, 303-323	7
690	Iridium nanopillars with multilayered, uniformly distributed hot spots for highly reproducible surface-enhanced Raman scattering. 2015 ,	
689	Interparticle Forces Underlying Nanoparticle Self-Assemblies. 2015 , 11, 5984-6008	85
688	Efficient waveguide coupler based on metal materials. 2015 ,	
687	Progress in Nonlinear Nano-Optics. 2015 ,	7
686	Launching focused surface plasmon in circular metallic grating. 2015 , 117, 013103	7
685	Energy conversion within infrared plasmonic absorption metamaterials for multi-band resonance. 2015 , 342, 247-252	5
684	Plasmonic photonic crystals realized through DNA-programmable assembly. 2015 , 112, 977-81	93
683	Nonlinear optical enhancement caused by a higher order multipole mode of metallic triangles. 2015 , 3, 1576-1581	8
682	Shape-dependent light scattering properties of subwavelength silicon nanoblocks. 2015 , 15, 1759-65	67
681	Attosecond extreme ultraviolet generation in cluster by using spatially inhomogeneous field. 2015 , 22, 013107	28
680	Extreme Ultraviolet Sources Generation by Using the Two-Color Multi-Cycle Weak Inhomogeneous Field. 2015 , 63, 86-90	4
679	NIR to VUV: Seven-Photon Upconversion Emissions from Gd(3+) Ions in Fluoride Nanocrystals. 2015 , 6, 556-60	26
678	Ultrafast Nano-Focusing for Imaging and Spectroscopy with Electrons and Light. 2015 , 281-324	1
677	Light Wave Driven Electron Dynamics in Clusters. 2015 , 119-154	

676	Ultrafast, Strong-Field Plasmonic Phenomena. 2015 , 39-86	1
675	Nano-Antennae Assisted Emission of Extreme Ultraviolet Radiation. 2015 , 11-38	
674	Metamaterial quasi-phase matching. 2015 , 9, 148-150	5
673	Attosecond X-ray source generation by using spatially inhomogeneous field. 2015 , 47, 2577-2592	15
672	Two-Photon Luminescence of Gold Nanorods Mediated by Higher Order Plasmon Modes. 2015 , 2, 410-416	23
671	Quantum Nanoplasmonics. 2015 , 85-132	1
670	Correction. 2015 , 9, 150-150	
669	Correction. 2015 , 9, 150-150	
668	High Harmonic Generation Assisted by Metal Nanostructures and Nanoparticles. 2015 , 251-268	1
667	Generation of isolated attosecond pulses in bowtie-shaped nanostructure with three-color spatially inhomogeneous fields. 2015 , 24, 054210	21
666	Spontaneous Hot-Electron Light Emission from Electron-Fed Optical Antennas. 2015 , 15, 5811-8	60
665	Molecular Dynamics Simulations Using a Capacitance Polarizability Force Field. 2015 , 119, 19430-19437	8
664	Giant colloidal silver crystals for low-loss linear and nonlinear plasmonics. 2015 , 6, 7734	80
663	Metaphotonics: An emerging field with opportunities and challenges. 2015 , 594, 1-60	52
662	High-order harmonic generation driven by plasmonic fields: a new route towards the generation of UV and XUV photons?. 2015 , 601, 012001	8
661	Generation of an extreme ultraviolet supercontinuum in a two-color spatially inhomogeneous field. 2015 , 62, 1515-1526	3
660	Integrated broadband bowtie antenna on transparent substrate. 2015 ,	
659	Asymmetric gold nanodimer arrays: electrostatic self-assembly and SERS activity. 2015 , 3, 240-249	54

658	Analysis of Asymmetric Dipoles Interacting in Heterogeneous Metal Nanorod Dimers. 2015 , 10, 1325-1330	2
657	Bioinspired optical antennas: gold plant viruses. 2015 , 4, e267-e267	24
656	High Aspect-Ratio Iridium-Coated Nanopillars for Highly Reproducible Surface-Enhanced Raman Scattering (SERS). 2015 , 7, 11452-9	24
655	Dislocated Double-Layered Metal Gratings: Refractive Index Sensors with High Figure of Merit. 2015 , 10, 1489-1497	9
654	Optical coating on nano-optical antennas to enhance directional radiation. 2015 , 9, 093595	1
653	Optimization of metal-enhanced fluorescence by different concentrations of gold-silica core-shell nanoparticles. 2015 , 349, 180-184	9
652	Coupling localized plasmonic and photonic modes tailors and boosts ultrafast light modulation by gold nanoparticles. 2015 , 15, 2633-9	36
651	Helmholtz resonator for electric field enhancement from visible to far-infrared. 2015 ,	
650	Plasmonic lens focused longitudinal field excitation for tip-enhanced Raman spectroscopy. 2015 , 10, 189	4
649	Optics and photonics at nanoscale: Principles and perspectives. 2015 , 110, 14001	15
648	Next-generation thermo-plasmonic technologies and plasmonic nanoparticles in optoelectronics. 2015 , 41, 23-70	45
647	Localized surface plasmon resonances in core-embedded heterogeneous nano-bowtie antenna. 2015 , 120, 47-51	5
646	Attosecond x-ray sources generation from pre-excited He ⁺ ions using mid-infrared homogeneous and inhomogeneous fields. 2015 , 25, 105301	6
645	Coupling between surface plasmon polaritons and transverse electric polarized light via L-shaped nano-apertures. 2015 , 40, 978-81	2
644	Why plasma harmonics?. 2015 , 45, 785-796	3
643	Probing of Ultrafast Plasmon Dynamics on Gold Bowtie Nanostructure Using Photoemission Electron Microscopy. 2015 , 32, 064202	7
642	Characteristic analysis of broadband plasmonic emitting devices based on transformation optics. 2015 , 23, 16109-21	4
641	Nanoslit-microcavity-based narrow band absorber for sensing applications. 2015 , 23, 20715-20	104

640	Optimization of plasmonic high harmonic generation in a 3D pyramidal nanowaveguide by tuning the aspect ratio of its rectangular cross section and chirp and polarization of femtosecond incident pulses. 2015 , 54, 3759	2
639	Nanoscale Imaging of Local Few-Femtosecond Near-Field Dynamics within a Single Plasmonic Nanoantenna. 2015 , 15, 6601-8	61
638	Modal method for second harmonic generation in nanostructures. 2015 , 32, 275	4
637	Second-harmonic generation interferometry in magnetic-dipole nanostructures. 2015 , 40, 3758-61	10
636	Clarifying the origin of third-harmonic generation from film-coupled nanostripes. 2015 , 23, 19565-74	13
635	Resonance properties of Ag-ZnO nanostructures at terahertz frequencies. 2015 , 23, 25111-7	2
634	Multi-color carrier-envelope-phase stabilization for high-repetition-rate multi-pulse coherent synthesis. 2015 , 40, 1208-11	11
633	Miniature multioctave light source based on a monolithic microcavity. 2015 , 2, 40	42
632	Sensitivity of nonlinear photoionization to resonance substructure in collective excitation. 2015 , 6, 6799	25
631	Second-Harmonic Generation from Sub-5 nm Gaps by Directed Self-Assembly of Nanoparticles onto Template-Stripped Gold Substrates. 2015 , 15, 5976-81	61
630	Generation of ultrashort extreme-ultraviolet pulses by enhanced plasmonic near-fields in metallic nanoparticles. 2015 , 111, 24005	1
629	Tunable plasmon resonance and enhanced second harmonic generation and upconverted fluorescence of hemispheric-like silver core/shell islands. 2015 , 7, 15798-805	6
628	Role of antenna modes and field enhancement in second harmonic generation from dipole nanoantennas. 2015 , 23, 1715-29	35
627	Broadly Tuning Resonant Wavelengths of Contour Bowtie Nano-Antennas Operating in the Near- and Mid-Infrared. 2015 , 7, 1-8	2
626	Raman parametric excitation effect upon the third harmonic generation by a metallic nanoparticle lattice. 2015 , 118, 073104	9
625	Pronounced Linewidth Narrowing of an Aluminum Nanoparticle Plasmon Resonance by Interaction with an Aluminum Metallic Film. 2015 , 15, 6946-51	125
624	EUV generation by plasmonic field enhancement using nanostructures. 2015 ,	
623	Quenching, Plasmonic, and Radiative Decays in Nanogap Emitting Devices. 2015 , 2, 1739-1744	70

622	Directionally-controlled periodic collimated beams of surface plasmon polaritons on metal film in Ag nanowire/Al ₂ O ₃ /Ag film composite structure. 2015 , 15, 560-4	29
621	Experimental and simulative study on surface enhanced Raman scattering of rhodamine 6G adsorbed on big bulk-nanocrystalline metal substrates. 2015 , 5, 1718-1729	9
620	Optimized Sensitivity and Electric Field Enhancement by Controlling Localized Surface Plasmon Resonances for Bowtie Nanoring Nanoantenna Arrays. 2015 , 10, 553-561	19
619	Attosecond-resolution two-electron harmonic emission. 2015 , 379, 805-809	1
618	Plasmonic Switching in Au-Functionalized GaN Nanowires in the Realm of Surface Plasmon Polariton Propagation: a Single Nanowire Switching Device. 2015 , 10, 347-350	9
617	A classical treatment of optical tunneling in plasmonic gaps: extending the quantum corrected model to practical situations. 2015 , 178, 151-83	119
616	Design and Optimization of a 3D Pyramidal Nanowaveguide with a Square Cross-section for Plasmonic Field Enhancement for High Harmonic Generation. 2015 , 10, 99-105	5
615	Mode Conversion of Propagating Surface Plasmons in Nanophotonic Networks Induced by Structural Symmetry Breaking. 2015 , 4,	32
614	Non-resonant Mie scattering: emergent optical properties of core-shell polymer nanowires. 2014 , 4, 4607	15
613	Nano-Structures for Optics and Photonics. 2015 ,	5
612	Nanoplasmonics: Fundamentals and Applications. 2015 , 3-102	7
611	Electromagnetic energy storage and power dissipation in nanostructures. 2015 , 151, 49-57	37
610	Linear and nonlinear optical properties of hybrid metallic-dielectric plasmonic nanoantennas. 2016 , 7, 111-20	22
609	Extreme field enhancement in nano-gap plasmonic cavity via 90% efficient coupling with silicon waveguide. 2016 , 24, 25540-25547	12
608	Metamorphic plasmonic nanoantennas for self-enhanced nonlinear light generation. 2016 , 3, 1453	8
607	Interference effects on harmonic generation from H ₂ + in nonhomogeneous laser field. 2016 , 24, 19736-45	50
606	Strong electric field enhancements in asymmetric metallic nanostructures and high-order harmonic generation. 2016 , 55, 8035-8041	5
605	Flexible Plasmonic Metasurfaces with User-Designed Patterns for Molecular Sensing and Cryptography. 2016 , 26, 5515-5523	45

604	Surface plasmons: a strong alliance of electrons and light. 2016 , 91, 053010	3
603	Highly Improved Fabrication of Ag and Al Nanostructures for UV and Nonlinear Plasmonics. 2016 , 4, 871-876	28
602	Second harmonic generation of metal nanoparticles under tightly focused illumination. 2016 , 25, 037803	1
601	Enhanced Second Harmonic Generation in Au/Al ₂ O ₃ /Au absorber. 2016 , 680, 012020	1
600	Carrier-envelope phase measurement using plasmonic-field-enhanced high-order harmonic generation of H atom in few-cycle laser pulses. 2016 , 25, 053203	1
599	Enhanced photoemission from laser-excited plasmonic nano-objects in periodic arrays. 2016 , 28, 315301	6
598	Ultrafast third-harmonic spectroscopy of single nanoantennas fabricated using helium-ion beam lithography. 2016 ,	
597	Hybridized plasmon modes and near-field enhancement of metallic nanoparticle-dimer on a mirror. 2016 , 6, 30011	66
596	Spatial distribution and quantum trajectory control of the molecular harmonic spectra. 2016 , 25, 1650053	3
595	High-energy electron emission from metallic nano-tips driven by intense single-cycle terahertz pulses. 2016 , 7, 13405	41
594	Cherenkov terahertz surface plasmon excitation by an electron beam over an ultrathin metal film. 2016 , 120, 223101	2
593	Tunable Optical Nanoantennas Incorporating Bowtie Nanoantenna Arrays with Stimuli-Responsive Polymer. 2015 , 5, 18567	16
592	Dielectric coats effect on the third harmonic generation by a metallic nanoparticle lattice exposed to intense laser radiation. 2016 , 23, 123114	6
591	Formation of surface plasmon polaritons by silver nano-strip and nano-circle. 2016 ,	
590	Isolated attosecond pulses generation from coherent superposition state of helium ion in static electric fields and spatial nonhomogeneous fields. 2016 , 30, 1650229	3
589	Single-pass high harmonic generation at high repetition rate and photon flux. 2016 , 49, 172002	58
588	Growth of metal-semiconductor core-multishell nanorods with optimized field confinement and nonlinear enhancement. 2016 , 8, 11969-75	22
587	Plasmonic electric near-field enhancement in self-organized gold nanoparticles in macroscopic arrays. 2016 , 122, 1	8

586	Additional peak appearing in the one-photon luminescence of single gold nanorods. 2016 , 41, 1325-8	4
585	Second Harmonic Generation from Ultrathin Gold Nanotubes. 2016 , 11, 1629-1636	2
584	Plasmon-induced light concentration enhanced imaging visibility as observed by a composite-field microscopy imaging system. 2016 , 7, 5477-5483	30
583	Single Particle Studies on Two-Photon Photoluminescence of Gold Nanorod-Nanosphere Heterodimers. 2016 , 120, 11621-11630	20
582	Surface enhanced Raman spectroscopy of Rhodamine 6G on agglomerates of different-sized silver truncated nanotriangles. 2016 , 506, 450-456	24
581	Plasmon-enhanced Kerr nonlinearity via subwavelength-confined anisotropic Purcell factors. 2016 , 27, 425205	18
580	High-order harmonic emission in bowtie-shaped nanostructure with few-cycle spatially inhomogeneous laser fields when the atom is placed at different spatial positions. 2016 , 26, 115301	8
579	Active control of highly efficient third-harmonic generation in ultrathin nonlinear metasurfaces. 2016 , 60, 552-558	1
578	Double-electron recombination in high-order-harmonic generation driven by spatially inhomogeneous fields. 2016 , 94,	4
577	Epitaxial Growth of Atomically Smooth Aluminum on Silicon and Its Intrinsic Optical Properties. 2016 , 10, 9852-9860	47
576	Far-field radiation patterns of second harmonic generation from gold nanoparticles under tightly focused illumination. 2016 , 24, 7477-87	10
575	Effective hyper-Raman scattering via inhibiting electromagnetically induced transparency in monolayer graphene under an external magnetic field. 2016 , 41, 2891-4	5
574	Coherent scattering microscopy as an effective inspection tool for analyzing performance of phase shift mask. 2016 , 24, 12055-62	4
573	Optimization of the particle density to maximize the SERS enhancement factor of periodic plasmonic nanostructure array. 2016 , 24, 20613-20	16
572	Enhanced high-order harmonic generation from periodic potentials in inhomogeneous laser fields. 2016 , 94,	42
571	Wafer scale fabrication of highly dense and uniform array of sub-5 nm nanogaps for surface enhanced Raman scattering substrates. 2016 , 24, 20808-15	14
570	Design of Photonic Crystal Cavities for Extreme Light Concentration. 2016 , 3, 1647-1653	77
569	Plasmonic mesostructures with aligned hotspots on highly oriented mesoporous silica films. 2016 , 6, 2824	5

568	Enhancing High-Order Harmonic Generation in Light Molecules by Using Chirped Pulses. 2016 , 117, 093003	44
567	Near-UV-enhanced broad-band large third-order optical nonlinearity in aluminum nanorod array film with sub-10 nm gaps. 2016 , 24, 5387-5394	9
566	Molecular high-order harmonic spectra and its application to the generation of the isolated attosecond pulse. 2016 , 22, 291	2
565	Photon-induced generation and spatial control of extreme pressure at the nanoscale with a gold bowtie nano-antenna platform. 2016 , 8, 17196-17203	4
564	One-pot synthesis of gold nanodimers and their use as surface-enhanced Raman scattering tags. 2016 , 40, 7299-7302	6
563	Active tailoring of nanoantenna plasmonic fields using few-cycle laser pulses. 2016 , 93,	8
562	High-order-harmonic generation from Rydberg atoms driven by plasmon-enhanced laser fields. 2016 , 93,	23
561	Photodissociation path in H ₂ ⁺ induced by nonuniform optical near fields: Two-step excitation via vibrationally excited states. 2016 , 93,	11
560	Controlling electron localization in H ₂ ⁺ by intense plasmon-enhanced laser fields. 2016 , 93,	41
559	Different time scales in plasmonically enhanced high-order-harmonic generation. 2016 , 93,	4
558	Coherent control of high-order-harmonic generation via tunable plasmonic bichromatic near fields in a metal nanoparticle. 2016 , 93,	7
557	Three-dimensional topological insulator based nanospaser. <i>Physical Review B</i> , 2016 , 93,	3-3 9
556	Nanomanipulation and controlled self-assembly of metal nanoparticles and nanocrystals for plasmonics. 2016 , 45, 5672-5716	122
555	Enhanced Nonlinear Refractive Index in μ -Near-Zero Materials. 2016 , 116, 233901	224
554	Enhanced Propagating Surface Plasmon Signal Detection. 2016 , 3, 2413-2419	4
553	On the origin of third harmonic light from hybrid metal-dielectric nanoantennas. 2016 , 18, 115002	9
552	Subwavelength imaging and control of ultrafast optical near-field under resonant- and off-resonant excitation of bowtie nanostructures. 2016 , 18, 093046	17
551	High-harmonic generation by field enhanced femtosecond pulses in metal-sapphire nanostructure. 2016 , 7, 13105	106

550	Spaser and Optical Amplification Conditions in Gold-Coated Active Nanoparticles. 2016 , 120, 24941-24949	14
549	Properties of surface plasmon polaritons on lossy materials: lifetimes, periods and excitation conditions. 2016 , 18, 115007	36
548	Multipolar interference for non-reciprocal nonlinear generation. 2016 , 6, 25113	15
547	Tuning high-harmonic generation by controlled deposition of ultrathin ionic layers on metal surfaces. <i>Physical Review B</i> , 2016 , 94,	3-3 1
546	10 nm gap bowtie plasmonic apertures fabricated by modified lift-off process. 2016 , 109, 133105	14
545	Second harmonic generation from an individual all-dielectric nanoparticle: resonance enhancement versus particle geometry. 2016 , 4, 6063-6069	18
544	Metallic Probe with Integrated Symmetry-Breaking Nanoslits for Enhanced Nanofocusing. 2016 , 11, 531-535	1
543	Theoretical exploration of asymmetric molecular harmonic emission and attosecond pulse generation in the presence of spatially inhomogeneous plasmon-enhanced field. 2016 , 114, 2217-2231	10
542	Plasmonic Metasurfaces for Nonlinear Optics and Quantitative SERS. 2016 , 3, 1371-1384	59
541	Molecular electronic plasmonics. 2016 , 3, 73-86	53
540	Coupling of a single active nanoparticle to a polymer-based photonic structure. 2016 , 1, 18-30	2
539	Understanding Quantum Plasmonics from Time-Dependent Orbital-Free Density Functional Theory. 2016 , 120, 14330-14336	25
538	From 1D to 3D: Tunable Sub-10 nm Gaps in Large Area Devices. 2016 , 28, 2956-63	46
537	Adiabatic Nanofocusing in Hybrid Gap Plasmon Waveguides on the Silicon-on-Insulator Platform. 2016 , 16, 1410-4	41
536	Integrated Broadband Bowtie Antenna on Transparent Silica Substrate. 2016 , 15, 1377-1381	12
535	Surface plasmon resonance enhanced multi-shell-modified upconversion NaYF ₄ :Yb ³⁺ , Er ³⁺ @SiO ₂ @Au@TiO ₂ crystallites for dye-sensitized solar cells. 2016 , 307, 468-473	51
534	Split Hole Resonator: A Nanoscale UV Light Source. 2016 , 16, 1138-42	21
533	Photonic Applications of Metal-Dielectric Heterostructured Nanomaterials. 2016 , 8, 3703-13	10

532	Near-circularly polarized single attosecond pulse generation from nitrogen molecules in spatially inhomogeneous laser fields. 2016 , 49, 015602	6
531	Design of a plasmonic-organic hybrid slot waveguide integrated with a bowtie-antenna for terahertz wave detection. 2016 ,	4
530	Summary: Achievements and Perspectives. 2016 , 209-217	
529	Controlling Plasmonic Field Within Two-Color Laser Using Metallic Nanostructure for Isolated Attosecond Pulse Generation. 2016 , 11, 17-22	2
528	High-efficiency surface plasmon meta-couplers: concept and microwave-regime realizations. 2016 , 5, e16003	184
527	Gradual plasmon evolution and huge infrared near-field enhancement of metallic bridged nanoparticle dimers. 2016 , 18, 2319-23	18
526	Surface Plasmon Polariton Assisted Optical Switching in Noble Metal Nanoparticle Systems: A Sub-Band Gap Approach. 2016 , 1-17	
525	Generation of the ultrabroad bandwidth with keV by three-color low intense mid-infrared inhomogeneous pulse. 2016 , 81, 7-13	19
524	Optical harmonics generation in metal/dielectric heterostructures in the presence of Tamm plasmon-polaritons. 2016 ,	
523	Dimensional metrology using the optical comb of a mode-locked laser. 2016 , 27, 022001	28
522	Broadband linear and nonlinear optical response of plasmonic quasicrystals. 2016 , 366, 57-60	6
521	X-Ray Lasers 2014. 2016 ,	1
520	Comparison of high harmonic generation and attosecond pulse from 3D hydrogen atom in three kinds of inhomogeneous fields. 2016 , 380, 188-193	7
519	Electron path control of high-order harmonic generation by a spatially inhomogeneous field. 2016 , 63, 643-652	2
518	Highly Nonlinear and Ultrafast Optical Phenomena in Metallic Nanostructures. 2016 , 233-258	
517	Shaping the third-harmonic radiation from silicon nanodimers. 2017 , 9, 2201-2206	39
516	Tension induced surface plasmon-polaritons at graphene-based structure. 2017 , 102, 490-497	1
515	Plasmon-assisted high-harmonic generation in graphene. 2017 , 8, 14380	95

514	Enhanced Magnetic Fields at Optical Frequency by Diffraction Coupling of Magnetic Resonances in Lifted Metamaterials. 2017 , 35, 71-74		42
513	Decoupling absorption and emission processes in super-resolution localization of emitters in a plasmonic hotspot. 2017 , 8, 14513		40
512	Three-dimensional ordered macroporous nano-architecture and its enhancing effects on Raman detection sensitivity for Eosin Y molecules. 2017 , 119, 456-463		11
511	Attosecond physics at the nanoscale. 2017 , 80, 054401		201
510	High-order harmonic and attosecond pulse generations from Rydberg state driven by the spatially inhomogeneous field. <i>Modern Physics Letters B</i> , 2017 , 31, 1750029	1.6	8
509	Laser Polarization Effect on Molecular Harmonic and Elliptically Polarized Attosecond Pulse Generation. 2017 , 67, 97		1
508	Nanoparticle-on-mirror cavity modes for huge and/or tunable plasmonic field enhancement. 2017 , 28, 105203		26
507	Quantum-coherence-enhanced transient surface plasmon lasing. 2017 , 19, 054002		3
506	Relativistic surface plasmon enhanced harmonic generation from gratings. 2017 , 110, 051103		16
505	Chirp control on molecular harmonic generation and distribution in H ₂ ⁺ . 2017 , 115, 1562-1571		7
504	Dramatic dwindling of the power spectrum of high order harmonics by shrinking of the gap size in bowtie nanostructures. 2017 , 124, 379-387		6
503	Surface plasmon polaritons generated by radial polarized laser beam on silver nano-ring. 2017 ,		
502	Spatial position scaling on harmonic generation from He atom in bowtie-shaped nanostructure. 2017 , 398, 31-38		8
501	The bright side of downsizing. 2017 , 13, 626-628		
500	Dichroic nonlinear absorption response of silver nanoprism arrays. 2017 , 7, 17741-17747		18
499	Plasmonic resonances of nanoparticles from large-scale quantum mechanical simulations. 2017 , 31, 1740003		3
498	Optimal control of photoelectron emission by realistic waveforms. 2017 , 64, 1784-1792		1
497	Harmonic emission spectra and attosecond pulse generation from helium atom driven by the mid-infrared nonhomogeneous field. 2017 , 50, 289-297		2

496	Multiple-band perfect absorbers based on the combination of Fabry-Perot resonance and the gap plasmon resonance. 2017 , 399, 28-33	18
495	Generation of isolated attosecond pulses in a multi-cycle inhomogeneous two-color field without CEP stabilization. 2017 , 49, 1	16
494	Below-threshold harmonic generation from strong non-uniform fields. 2017 , 64, 2043-2050	
493	Nano-scale chemical reactions based on non-uniform optical near-fields and their applications. 2017 , 55, 166-194	11
492	Engineering two-wire optical antennas for near field enhancement. 2017 , 25, 72-76	8
491	Split-orientation-modulated plasmon coupling in disk/sector dimers. 2017 , 121, 213105	2
490	Effect of symmetric and asymmetric field ratios for polarization gating on high-order harmonic generation. 2017 , 71, 1	4
489	MetalDielectric Hybrid Dimer Nanoantenna: Coupling between Surface Plasmons and Dielectric Resonances for Fluorescence Enhancement. 2017 , 121, 12871-12884	29
488	Optical characterization of chiral plasmonic nanostructures. 2017 , 32, 40-57	23
487	Intensity enhancement of attosecond XUV pulse by using asymmetric inhomogeneous mid-infrared down-chirped field. 2017 , 31, 1750185	8
486	Plasmon-enhanced high-harmonic generation from silicon. 2017 , 13, 659-662	130
485	Nonresonant 10 Terahertz Field Enhancement with 5-nm Slits. 2017 , 7, 45638	9
484	Modal Analysis of the Ultrafast Dynamics of Optical Nanoresonators. 2017 , 4, 897-904	17
483	Molecular harmonic generation in bowtie-shaped nanostructure. 2017 , 27, 055301	5
482	Step faceting and the self-assembly of nanoislands on miscut YSZ(001) surfaces. 2017 , 407, 192-196	
481	Plasmon resonance-enhanced photocathode by light trapping in periodic concentric circular nanocavities on gold surface. 2017 , 138, 223-228	2
480	Harvesting the loss: surface plasmon-based hot electron photodetection. 2017 , 6, 177-191	139
479	High-harmonic generation and the kicked quantum dots. 2017 , 64, 1199-1207	3

- 478 High harmonic generation by resonant nano-antennas: Phase matching at the nanometer scale. **2017**,
- 477 Broadband Surface-Enhanced Photoluminescence Based on Gold Nanocubic Self-Assembly. **2017**, 5, 1700551 4
- 476 Plasmons in Graphene Quantum Dots. **2017**, 39-55
- 475 Intensity distributions and isolated attosecond pulse generation from molecular high-order harmonic generation in H₂⁺ driven by nonhomogeneous field. **2017**, 24, 103121 7
- 474 Ultraslow waves on the nanoscale. **2017**, 358, 81
- 473 Momentum Distribution of Electrons Emitted from Resonantly Excited Individual Gold Nanorods. **2017**, 17, 6606-6612 20
- 472 Microsphere Assisted Super-resolution Optical Imaging of Plasmonic Interaction between Gold Nanoparticles. **2017**, 7, 13789 15
- 471 Extending the high-order-harmonic spectrum using surface plasmon polaritons. **2017**, 96, 3
- 470 Controlling harmonic emission and attosecond pulse generation from H₂⁺ by using an asymmetric few-cycle inhomogeneous laser field. **2017**, 55, 2025-2038 1
- 469 Surface Plasmon Resonance Effect of the MoS₂/Ag System. **2017**, 898, 1857-1861 1
- 468 Exploring the Near-Field of Strongly Coupled Waveguide-Plasmon Modes by Plasmon-Induced Photocurrent Generation Using a Gold Nanograting-Loaded Titanium Dioxide Photoelectrode. **2017**, 121, 21627-21633 6
- 467 High-intensity attosecond pulse generation by using inhomogeneous laser field in frequency and space. **2017**, 26, 1750034 5
- 466 Macroscopic effect of plasmon-driven high-order-harmonic generation. **2017**, 96, 13
- 465 Maxwell-Hydrodynamic Model for Simulating Nonlinear Terahertz Generation From Plasmonic Metasurfaces. **2017**, 2, 194-201 12
- 464 VIII Microscopic particle-in-cell approach. **2017**, 227-270
- 463 Single-Nanoparticle Plasmonic Electro-optic Modulator Based on MoS Monolayers. **2017**, 11, 9720-9727 68
- 462 Stable silica-coated self-assembly of gold nanorods: synthesis and plasmonic properties. **2017**, 110, 191-197 3
- 461 Plasmonic Nano-Oven by Concatenation of Multishell Photothermal Enhancement. **2017**, 11, 7915-7924 27

- 460 Isolated sub-30-as pulse generation from few-cycle spatially inhomogeneous laser pulses. **2017**, 26, 1750026 3
- 459 Achieving Strong Field Enhancement and Light Absorption Simultaneously with Plasmonic Nanoantennas Exploiting Film-Coupled Triangular Nanodisks. **2017**, 121, 16481-16490 20
- 458 Fabrication and characterization of Au dimer antennas on glass pillars with enhanced plasmonic response. **2017**, 7, 497-505 10
- 457 Electron-Nuclear Dynamics in Molecular Harmonic Generation Driven by a Plasmonic Nonhomogeneous Field. **2017**, 529, 1700093 35
- 456 Nano-plasmonic near field phase matching of attosecond pulses. **2017**, 7, 6356 9
- 455 Dielectric nanoresonators for light manipulation. **2017**, 701, 1-50 108
- 454 Enhanced Second-Harmonic Generation from Sequential Capillarity-Assisted Particle Assembly of Hybrid Nanodimers. **2017**, 17, 5381-5388 56
- 453 Emergence of a Higher Energy Structure in Strong Field Ionization with Inhomogeneous Electric Fields. **2017**, 119, 053204 9
- 452 Surfaces enhanced with film-coupled silver nanopolyhedrons for optical transmittance. **2017**, 7, 39299-39305 2
- 451 Generation of circularly polarized XUV and soft-x-ray high-order harmonics by homonuclear and heteronuclear diatomic molecules subject to bichromatic counter-rotating circularly polarized intense laser fields. **2017**, 96, 10
- 450 XUV pulse effect on harmonic emission spectra and attosecond pulse generation. *Modern Physics Letters B*, **2017**, 31, 1750282 1.6 6
- 449 Investigating the origin of third harmonic generation from diabolo optical antennas. **2017**, 111, 173102 3
- 448 Designing optimal nanofocusing with a gradient hyperlens. **2017**, 7, 479-487 14
- 447 Surface plasmon polaritons on the thin metallic film coated with symmetrical and asymmetrical dielectric gratings. **2017**, 50, 485101 3
- 446 Study of the electric field enhancement in resonant metasurfaces. **2017**, 19, 125104 7
- 445 Localized Surface Plasmon Resonance Dependence on Misaligned Truncated Ag Nanoprism Dimer. **2017**, 12, 430 5
- 444 Ultra-broadband enhancement of nonlinear optical processes from randomly patterned super absorbing metasurfaces. **2017**, 7, 4346 8
- 443 Graphene-Integrated Plasmonic Structure for Optical Third Harmonic Generation. **2017**, 23, 156-167 0

442	Enabling inter- and intra-chip optical wireless interconnect by the aid of hybrid plasmonic leaky-wave optical antennas. 2017 , 382, 119-126	4
441	Nonlinear plasmonic imaging techniques and their biological applications. 2017 , 6, 31-49	20
440	High-intensity attosecond X-ray source generation by using low-intensity spatial inhomogeneous mid-infrared pulse combined with an ultraviolet pulse. 2017 , 31, 1650239	5
439	Beyond dipolar regime in high-order plasmon mode bowtie antennas. 2017 , 387, 48-54	5
438	Plasmon-shaped polarization gating for high-order-harmonic generation. 2017 , 96,	1
437	Frequency-mixing in GaAs dielectric metasurfaces. 2017 ,	5
436	Switchable reflection/transmission utilizing polarization on a plasmonic structure consisting of self-assembly polystyrene spheres with silver patches. 2017 , 25, 9502-9510	1
435	Self-assembled flat-faceted nanoparticles chains as a highly-tunable platform for plasmon-enhanced spectroscopy in the infrared. 2017 , 25, 13760-13772	5
434	Full control of far-field radiation via photonic integrated circuits decorated with plasmonic nanoantennas. 2017 , 25, 17417-17430	4
433	Second harmonic generation enhancement from a nonlinear nanocrystal integrated hyperbolic metamaterial cavity. 2017 , 25, 21342-21348	10
432	Nonlinear third harmonic generation at crystalline sapphires. 2017 , 25, 26002-26010	10
431	Self-optimization of plasmonic nanoantennas in strong femtosecond fields. 2017 , 4, 1038	20
430	Phase matching effects in high harmonic generation at the nanometer scale. 2017 , 25, 14974-14985	7
429	Resonance enhanced high-order harmonic generation in H ₂ ⁺ by two sequential laser pulses. 2017 , 25, 17777-17787	25
428	Quasi-phase-matched high harmonic generation in corrugated micrometer-scale waveguides. 2017 , 34, 137	
427	Surface Patterning of Functional Ceramics: A Materials Design. 2017 , 3,	
426	Canonical symplectic structure and structure-preserving geometric algorithms for Schrödinger/Maxwell systems. 2017 , 349, 441-452	11
425	Plasmon effects in photoemission. 2017 , 826, 012013	

424	Analysis of the higher-energy structure in strong-field ionization with inhomogeneous electric fields. 2018 , 97,		1
423	Inhomogeneous Double Optical Gating of High-Intensity Isolated Attosecond Pulse Generation in Crossed Metal Nanostructures. 2018 , 39, 46-55		
422	Controlling electron quantum paths for generation of circularly polarized high-order harmonics by H ₂ ⁺ subject to tailored (□□) counter-rotating laser fields. 2018 , 97,		14
421	Experimental demonstration of the optical Helmholtz resonance. 2018 , 112, 171110		1
420	Generation of single attosecond pulse within one atomic unit by using multi-cycle inhomogeneous polarization gating technology in bowtie-shaped nanostructure. 2018 , 72, 1		4
419	Metal Nanoparticles for Diagnosis and Therapy of Bacterial Infection. 2018 , 7, e1701392		92
418	Gas position effect on single attosecond pulse generation in crossed metal nanostructure. 2018 , 27, 1850009		1
417	Theoretical study of high-order harmonic generation from the hydrogen molecular ion with a dichromatic spatially inhomogeneous field. <i>Modern Physics Letters B</i> , 2018 , 32, 1850141	1.6	3
416	Intense Isolated Short Attosecond Pulse Generation from a Coherent Superposition State in a Spatially Inhomogeneous Field. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2018 , 73, 303-313	1.4	2
415	Plasmonic nanostructure assisted HHG in NIR spectrum and thermal analysis. 2018 , 51, 075307		4
414	Resonant-Plasmon-Assisted Subwavelength Ablation by a Femtosecond Oscillator. 2018 , 9,		5
413	Immobilized Seed-Mediated Growth of Two-Dimensional Array of Metallic Nanocrystals with Asymmetric Shapes. 2018 , 12, 1107-1119		15
412	DNA Origami Directed Assembly of Gold Bowtie Nanoantennas for Single-Molecule Surface-Enhanced Raman Scattering. 2018 , 57, 2846-2850		105
411	Dual-blade-like shaped nanostructured metasurface inducing dual-band extinction for dye fluorescence enhancement. 2018 , 123, 043104		4
410	DNA Origami Directed Assembly of Gold Bowtie Nanoantennas for Single-Molecule Surface-Enhanced Raman Scattering. 2018 , 130, 2896-2900		12
409	An on-chip hybrid plasmonic light steering concentrator with ~96% coupling efficiency. 2018 , 10, 5097-5104		6
408	High-order harmonic generation driven by inhomogeneous plasmonics fields spatially bounded: influence on the cut-off law. 2018 , 20, 034002		10
407	Transmission/reflection behaviors of surface plasmons at an interface between two plasmonic systems. 2018 , 30, 114002		5

406	Engineered nonlinear materials using gold nanoantenna array. 2018 , 8, 780		7
405	Generation of high-intensity sub-30 as pulses by inhomogeneous polarization gating technology in bowtie-shaped nanostructure. 2018 , 413, 212-219		2
404	On-Chip Spectropolarimetry by Fingerprinting with Random Surface Arrays of Nanoparticles. 2018 , 5, 1703-1710		10
403	Quantum Path Control of Harmonic Emission and Isolated Attosecond Pulse Generation by Using the Asymmetric Inhomogeneous Mid-Infrared Field. 2018 , 85, 166-177		1
402	Field enhancement in plasmonic nanostructures. 2018 , 20, 055401		5
401	Single attosecond pulse generation by using plasmon-driven double optical gating technology in crossed metal nanostructures. 2018 , 32, 1850161		3
400	Evidence of High-Order Nonlinearities in Supercontinuum White-Light Generation from a Gold Nanofilm. 2018 , 5, 1927-1932		13
399	Femtosecond laser-induced damage threshold in snow micro-structured targets. 2018 , 6,		6
398	Phase matching with Tamm plasmons for enhanced second- and third-harmonic generation. <i>Physical Review B</i> , 2018 , 97,	3-3	18
397	Numerical Analysis of Nanogap Effects in Metallic Nano-disk and Nano-sphere Dimers: High Near-field Enhancement with Large Gap Sizes. 2018 , 72, 599-603		9
396	Surface potential on gold nanodisc arrays fabricated on silicon under light irradiation. 2018 , 672-673, 62-67		2
395	Nonlinear metasurfaces: a paradigm shift in nonlinear optics. 2018 , 21, 8-21		241
394	Surface waves supported by the nanostructured semiconductor metamaterials. 2018 , 32, 591-600		1
393	Combining plasmonics and electrochemistry at the nanoscale. 2018 , 7, 95-102		27
392	Asymmetric growth of Au-core/Ag-shell nanorods with a strong octupolar plasmon resonance and an efficient second-harmonic generation. 2018 , 11, 686-695		29
391	On Surface Wave Excitation by of Finite-Aperture Light Beams. 2018 , 125, 1025-1033		8
390	. 2018 ,		6
389	Plasmonic Nanogaps: From Fabrications to Optical Applications. 2018 , 5, 1800648		25

388	Subnanometer Gaps for Enhanced Raman Substrates. 2018 ,	0
387	Investigation of the Nanostructured Semiconductor Metamaterials. 2018 ,	
386	Plasmonics on Optical Fiber Platforms. 2018 ,	
385	Study of Plasmon Resonance. 2018 , 381, 012101	1
384	Generation of High-Intensity Single Attosecond Pulse by Using Inhomogeneous Chirped Pulse. 2018 , 85, 971-982	
383	Subwavelength asymmetric Au \times 2 nanodisk dimer for switchable directional scattering. 2018 , 27, 117301	1
382	Attosecond pulse generation via multicolor beam superposition in the over-barrier ionization regime. 2018 , 20, 125403	2
381	Enhancement of attosecond pulse in water window region by using pump-probe approach. 2018 , 32, 1850318	2
380	Molecular Tunnel Junction-Controlled High-Order Charge Transfer Plasmon and Fano Resonances. 2018 , 12, 12541-12550	14
379	Simultaneous control of harmonic yield and energy cutoff of high-order harmonic generation using seeded plasmonically enhanced fields. 2018 , 98,	7
378	Surface plasmon polaritons in nanostructured metamaterials. 2018 ,	
377	Generation of high-intensity KeV single-attosecond pulse using multi-cycle spatial inhomogeneous mid-infrared field. 2018 , 35, A84	2
376	Metasurface-based multi-harmonic free-electron light source. 2018 , 7, 64	30
375	High-intensity isolated attosecond X-ray pulse generation by using low-intensity ultravioletmid-infrared laser beam. 2018 , 72, 1	3
374	Nano-plasmonic-pump-probe effect on the intensity enhancement of attosecond pulse from hydrogen molecular ion. 2018 , 15, 115301	27
373	Highly-Efficient Longitudinal Second-Harmonic Generation from Doubly-Resonant AlGaAs Nanoantennas. 2018 , 5, 29	16
372	Selection and Enhancement of the Single Harmonic Emission Event in the Water Window Region. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2018 , 73, 985-994	1.4 5
371	Single-Particle Spectroscopic Studies on Two-Photon Photoluminescence of Coupled Au Nanorod Dimers. 2018 , 122, 23102-23110	8

370 Frequency conversion in fullerenes. **2018**, 213-265

369 Ultrafast Strong-Field Tunneling Emission in Graphene Nanogaps. **2018**, 5, 3943-3949

6

368 Investigation of Hyperbolic Metamaterials. **2018**, 8, 1222

3

367 Generation of even harmonics with a small redshift in an asymmetric nonhomogeneous laser field. **2018**, 28, 075301

1

366 Effect of quantum tunneling on the efficiency of excitation energy transfer in plasmonic nanoparticle chain waveguides. **2018**, 6, 5857-5864

34

365 Artificial Plasmonic Molecules and Their Interaction with Real Molecules. *Chemical Reviews*, **2018**, 118, 5539-5580

68.1 57

364 Applications of High-Order Harmonics: HHG Spectroscopy and Optimization of Harmonics. 236-291

363 High-Throughput Fabrication of Ultradense Annular Nanogap Arrays for Plasmon-Enhanced Spectroscopy. **2018**, 10, 20189-20195

16

362 Mesoscopic and Microscopic Strategies for Engineering Plasmon-Enhanced Raman Scattering. **2018**, 6, 1701097

33

361 Bimetallic Network with Hetero-interfacial Plasmons. **2018**, 5, 1800580

2

360 Optimization of Ag coated hydrogen silsesquioxane square array hybrid structure design for surface-enhanced Raman scattering substrate. **2018**, 26, 1097-1107

359 Tomography of asymmetric molecular orbitals with a one-color inhomogeneous field. **2018**, 43, 931-934

21

358 Light-Matter Interaction within Extreme Dimensions: From Nanomanufacturing to Applications. **2018**, 6, 1800444

16

357 Dielectric meta-walls for surface plasmon focusing and Bessel beam generation. **2018**, 122, 67002

5

356 Boosting third-harmonic generation by a mirror-enhanced anapole resonator. **2018**, 7, 44

81

355 Nonlinear Plasmonic Metasurfaces. **2018**, 6, 1800274

21

354 Plasmonics. **2018**, 425-458

1

353 Surface plasmon polaritons in hyperbolic nanostructured metamaterials. **2018**, 32, 1857-1867

1

352	High-order harmonic generation in H ₂ ⁺ via multicolor beam superposition: barrier suppression ionization regime. 2018 , 124, 1		4
351	Ultrasmall light-spot transmission in a silicon-core fiber with a bowtie slot structure. 2018 , 26, 21797-21802		1
350	Small morphology variations effects on plasmonic nanoparticle dimer hotspots. 2018 , 6, 9607-9614		29
349	Effect of multiple rescattering processes on harmonic emission in spatially inhomogeneous field. 2018 , 27, 034206		2
348	Non-fluorescent nanoscopic monitoring of a single trapped nanoparticle via nonlinear point sources. 2018 , 9, 2218		19
347	Laser parameters effects of pump-probe pulse on improvements of spectral continuum and attosecond pulse signal from H ₂ ⁺ . 2019 , 73, 1		1
346	Silicon Metasurfaces for Third Harmonic Geometric Phase Manipulation and Multiplexed Holography. 2019 , 19, 6585-6591		41
345	Orientational phase behavior of polymer-grafted nanocubes. 2019 , 11, 15939-15957		4
344	Optical excitation of surface plasmons and terahertz emission from metals. <i>Physical Review B</i> , 2019 , 100,	3-3	7
343	Parametric Excitation of Surface Electromagnetic Waves by a Pump Wave Incident Obliquely on a Semi-Infinite Plasma. 2019 , 45, 753-760		1
342	Atomic even-harmonic generation due to symmetry-breaking effects induced by spatially inhomogeneous field. 2019 , 28, 094212		4
341	Strongly resonant metasurfaces supported by reflective substrates for highly efficient second- and high-harmonic generations with ultralow pump intensity. 2019 , 21, 19076-19082		13
340	Flash Ablation of Tunable and Deep-Subwavelength Nanogap by Using a Spatially Modulated Femtosecond Laser Pulse for Plasmonic Application. 2019 , 2, 4933-4941		4
339	Room temperature continuous-wave excited biexciton emission in perovskite nanoplatelets via plasmonic nonlinear fano resonance. 2019 , 2,		22
338	A new perspective on metal particles enhanced MoS ₂ photocatalysis in hydrogen evolution: Excited electric field by surface plasmon resonance. 2019 , 126, 015101		2
337	Topological Origin of Electromagnetic Energy Sinks. 2019 , 12,		14
336	Semiconductor infrared plasmonics. 2019 , 8, 949-990		45
335	Plasma channel formation in NIR laser-irradiated carrier gas from an aerosol nanoparticle injector. 2019 , 9, 8851		2

- 334 Integrated Hot Spots/Tunable Sub-10 nm Crescent Nanogap Arrays. **2019**, 7, 1901337 12
- 333 Electronic control of ultrafast field emission in carbon nanotube gaps. **2019**, 115, 163102 3
- 332 Progress in Optomechatronic Technologies. **2019**,
- 331 Research on Temperature Control Multilayer Manufacturing Method Based on Paving Quilting Cutting System. **2019**, 1237, 042083
- 330 Plasmon-driven high harmonic generation of benzene: effect of spatial inhomogeneity of near field. **2019**, 1, 044001 2
- 329 Resonance effects in photonic crystals and metamaterials (100th anniversary of the Ioffe Institute). **2019**, 62, 823-838 6
- 328 Double-band perfect absorber based on the dielectric grating and FabryPerot cavity. **2019**, 125, 1 4
- 327 Ablation morphology and redistribution layer of gold films with different substrates irradiated by femtosecond laser pulse. **2019**, 569, 022027
- 326 The inhomogeneous field effect on quantum path control of H₂⁺ driven by PG scheme. **2019**, 737, 136843
- 325 Cascaded plasmonic nanorod antenna for large broadband local electric field enhancement. **2019**, 28, 107802 2
- 324 Waveform control in generations of intense water window attosecond pulses via multi-color combined field. **2019**, 33, 1950130 31
- 323 The role of electron-electron repulsion to the nonsequential double ionization mechanisms. **2019**, 1274, 012007 1
- 322 Key Points of Construction Technology Management in Building Electrical Installation Engineering. **2019**, 267, 042093
- 321 Ultrafast-pulse generation using inhomogeneous laser fields and performance analysis. **2019**,
- 320 Lightning-Rod Effect of Plasmonic Field Enhancement on Hydrogen-Absorbing Transition Metals. **2019**, 9, 13
- 319 Interferometric time- and energy-resolved photoemission electron microscopy for few-femtosecond nanoplasmonic dynamics. **2019**, 90, 093904 4
- 318 Surface Plasmon Polaritons Emission with Nanopatch Antennas: Enhancement by Means of Mode Hybridization. **2019**, 6, 2788-2796 16
- 317 Behavioral study of high-order harmonics and attosecond pulse generation in a spatially non-homogeneous laser field. **2019**, 439, 47-52 0

316	Generation of water window single attosecond pulse from multi-cycle mid-infrared laser field with chirp gating modulation. <i>Modern Physics Letters B</i> , 2019 , 33, 1950064	1.6	3
315	Theoretical analysis of high-efficient dielectric nanofocusing for the generation of a brightness light source. 2019 , 9, 8207		1
314	Wafer-scale fabrication of high-quality tunable gold nanogap arrays for surface-enhanced Raman scattering. 2019 , 11, 12152-12160		10
313	Dynamic Nonlinear Image Tuning through Magnetic Dipole Quasi-BIC Ultrathin Resonators. 2019 , 6, 1802119		70
312	Near-circularly polarized isolated attosecond pulse generation from coherent superposition state by a circularly polarized laser field. 2019 , 51, 1		3
311	On the Focusing of Surface Plasmonic Waves on the Free Surface of a Metal Film. 2019 , 126, 269-278		6
310	Analysis of the Interaction Between Classical and Quantum Plasmons via FDTD- π DDFT Method. 2019 , 4, 111-118		7
309	Generation of intense water window X-ray pulses by superposition of an initial state of the helium atom driven by a three-color field. 2019 , 52, 132-142		1
308	Waveform control in selective enhancement of single-order harmonic. 2019 , 29, 065401		2
307	Coexistence of air and dielectric modes in single nanocavity. 2019 , 27, 14085-14098		11
306	Inverse Stranski-Krastanov Growth in Single-Crystalline Sputtered Cu Thin Films for Wafer-Scale Device Applications. 2019 , 2, 3300-3306		1
305	Evidence of Spatially Inhomogeneous Electron Temperature in a Resonantly Excited Array of Bow-Tie Nanoantennas. 2019 , 123, 12429-12436		6
304	Disorder in Metamaterials. 2019 , 495-544		1
303	Beaming the second harmonic generation from a double layered bullseye structure. 2019 , 441, 165-169		
302	Gain-Assisted Plasmon Resonance Narrowing and Its Application in Sensing. 2019 , 11,		16
301	Generation of high-intensity single attosecond x-ray pulses with multi-laser beam superposition. 2019 , 29, 035302		
300	Spatial Distribution of the Nonlinear Photoluminescence in Au Nanowires. 2019 , 6, 1240-1247		8
299	Influence of the Local Field and Dipole-Dipole Interactions on the Spectral Characteristics of Simple Metals and Their Nanoparticles. 2019 , 14, 1443-1451		1

298	Generation of wavelength tunable single-order harmonic via chirp gating modulation. 2019 , 725, 24-30	3
297	Ultrafast Multiharmonic Plasmon Generation by Optically Dressed Electrons. 2019 , 122, 053901	6
296	In-plane coherent control of plasmon resonances for plasmonic switching and encoding. 2019 , 8, 21	13
295	Engineered metallic nanostructures for dye fluorescence enhancement: Experiment and simulation. 2019 , 560, 140-145	2
294	Improvement of High-Order Harmonic Generation Via Controlling Multiple AccelerationRecombination Process. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2019 , 74, 561-571	1.4 34
293	Waveform control in high-order harmonic generation via chirp gating technology. 2019 , 441, 55-63	9
292	Phase-matched nonlinear second-harmonic generation in plasmonic metasurfaces. 2019 , 8, 607-612	6
291	Variational schemes and geometric simulations for a hydrodynamic-electrodynamic model of surface plasmon polaritons. 2019 , 99, 023313	3
290	Multipole Radiations from Large Gold Nanospheres Excited by Evanescent Wave. 2019 , 9,	1
289	Conditions for perfect circular polarization of high-order harmonics driven by bichromatic counter-rotating laser fields. 2019 , 99,	7
288	Multiple-acceleration in W-waveform structure for high-order harmonic improvement. 2019 , 28, 1950037	17
287	Study of a Microstrip Bow Tie Patch Antenna Loaded with a Novel Triangular SRR of Meta-Material for RFID Applications. 2019 ,	0
286	Perspective on Petahertz Electronics and Attosecond Nanoscopy. 2019 , 6, 3057-3069	19
285	Drastically enhanced high-order harmonic generation from endofullerenes. 2019 , 100,	1
284	Control of the polarization direction of isolated attosecond pulses using inhomogeneous two-color fields. 2019 , 9, 18582	3
283	Generalized nonlinear Schrödinger equations describing the Second Harmonic Generation of femtosecond pulse, containing a few cycles, and their integrals of motion. 2019 , 14, e0226119	1
282	Generation of high-intensity KeV isolated attosecond pulse via multi-color inhomogeneous beams superposition. 2019 , 28, 1950011	
281	Selection of Single Harmonic Emission Peak for Producing Isolated Attosecond Pulse via Chirped-UV Combined Field. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2019 , 75, 1-10	1.4 2

280	Large-Area Metal Gaps and Their Optical Applications. 2019 , 7, 1800426	19
279	Attosecond single-cycle undulator light: a review. 2019 , 82, 025901	14
278	Imaging of Plasmonic Chiral Radiative Local Density of States with Cathodoluminescence Nanoscopy. 2019 , 19, 775-780	24
277	Types of Metamaterials. 2019 , 1-39	0
276	Programmable time-domain digital-coding metasurface for non-linear harmonic manipulation and new wireless communication systems. 2019 , 6, 231-238	172
275	Direct observation of ultrafast plasmonic hot electron transfer in the strong coupling regime. 2019 , 8, 9	109
274	Enhanced second harmonic generation by double plasmon resonances in mesoscale flower-like silver particles. 2019 , 114, 011901	14
273	Highly efficient removal of sapphire by composite nanoabrasive with novel inorganic polyelectrolyte as a binder. 2019 , 782, 709-715	8
272	Hybrid architectures made of nonlinear-active and metal nanostructures for plasmon-enhanced harmonic generation. 2019 , 88, 653-666	5
271	Enhanced Second Harmonic Generation from Ferroelectric HfO-Based Hybrid Metasurfaces. 2019 , 13, 1213-1222	15
270	Characterization of ultrafast plasmon dynamics in individual gold bowtie by time-resolved photoemission electron microscopy. 2019 , 125, 1	11
269	Enhancement of the Second Harmonic Generation from WS ₂ Monolayers by Cooperating with Dielectric Microspheres. 2019 , 7, 1801270	19
268	Improvement of harmonic spectra from superposition of initial state driven by homogeneous and inhomogeneous combined field. 2020 , 98, 198-209	22
267	Plasmon-enhanced linear and second-order surface nonlinear optical response of silver nanoparticles fabricated using a femtosecond pulse. 2020 , 31, 035305	6
266	Near-Field-Induced Femtosecond Breakdown of Plasmonic Nanoparticles. 2020 , 15, 335-340	9
265	Behavioral study of high-order harmonics and attosecond pulse generation via bichromatic driving laser fields. 2020 , 202, 163713	
264	Parametric excitation surface waves at plasma boundary under action of p-polarized laser radiation. 2020 , 95, 055607	1
263	Transient Second-Order Nonlinear Media: Breaking the Spatial Symmetry in the Time Domain via Hot-Electron Transfer. 2020 , 124, 013901	10

262	Research progress of femtosecond surface plasmon polariton. 2020 , 29, 027302	6
261	Unveiling the effect of electron tunneling on the plasmonic resonance of closely spaced gold particles. 2020 , 22, 1747-1755	
260	Forward and Backward Switching of Nonlinear Unidirectional Emission from GaAs Nanoantennas. 2020 , 14, 1379-1389	26
259	Mechanical Deformation-Assisted Fabrication of Plasmonic Nanobowties with Broken Symmetry and Tunable Gaps. 2020 , 37, 1900463	1
258	Spectral Shifting in Extraordinary Optical Transmission by Polarization-Dependent Surface Plasmon Coupling. 2020 , 15, 489-494	6
257	High-order harmonic generation in aligned molecules by combination of weak XUV and intense IR laser pulses. 2020 , 460, 125216	3
256	Above-threshold ionization driven by few-cycle spatially bounded inhomogeneous laser fields. 2020 , 53, 065403	0
255	Electron-rotation coupling in diatomics under strong-field excitation. 2020 , 102,	3
254	Nanobowtie arrays with tunable materials and geometries fabricated by holographic lithography. 2020 , 12, 21401-21408	6
253	Real-time dynamics of plasmonic resonances in nanoparticles described by a boundary element method with generic dielectric function. 2020 , 153, 184114	5
252	Analytical van der Waals interaction potential for faceted nanoparticles. 2020 , 5, 1628-1642	3
251	Hybrid theoretical models for molecular nanoplasmonics. 2020 , 153, 200901	11
250	Excite Spoof Surface Plasmons with Tailored Wavefronts Using High-Efficiency Terahertz Metasurfaces. 2020 , 7, 2000982	29
249	Generation of an intense single harmonic emission event and attosecond pulse from hydrogen molecular ion and its isotopic molecular ions with the assistance of half-cycle unipolar pulse. 2020 , 53, 559-571	
248	High-Order Harmonic Enhancement in Nanowire by Inhomogeneous Field. 2020 , 8, 135103-135109	
247	The quantum-optical nature of high harmonic generation. 2020 , 11, 4598	12
246	Wave-vector analysis of plasmon-assisted distributed nonlinear photoluminescence along Au nanowires. <i>Physical Review B</i> , 2020 , 102,	3.3 2
245	Light-Controlled Near-Field Energy Transfer in Plasmonic Metasurface Coupled MoS Monolayer. 2020 , 16, e2003539	6

244	Wavelength-Dependent Features of Photoelectron Spectra from Nanotip Photoemission. 2020 , 7, 129	2
243	Enhanced Absorption Edge of Anchusa-Italica-Doped Pentacene towards Optoelectronic Applications. 2020 , 1002, 251-263	0
242	High-Efficiency Synthesizer for Spatial Waves Based on Space-Time-Coding Digital Metasurface. 2020 , 14, 1900133	28
241	How electronic dephasing affects the high-harmonic generation in atoms. 2020 , 118, e1769871	9
240	Plasmon-enhanced high order harmonic generation of open-ended finite-sized carbon nanotubes: The effects of incident field's intensity and frequency and the interference between the incident and scattered fields. 2020 , 152, 224708	2
239	Mimicking bio-mechanical principles in photonic metamaterials for giant broadband nonlinearity. 2020 , 3,	2
238	. 2020 , 8, 99858-99869	4
237	Strong-field nano-optics. 2020 , 92,	51
236	Tailoring ZnO Spontaneous Emission with Plasmonic Radiative Local Density of States Using Cathodoluminescence Microscopy. 2020 , 124, 13886-13893	4
235	Effects of inhomogeneous laser field in time and space on the generation of broad spectral continuum and ultrashort attosecond pulse. <i>Modern Physics Letters B</i> , 2020 , 34, 2050131	1.6 3
234	Large second-order nonlinearity in asymmetric metallic quantum wells. 2020 , 116, 241105	
233	On the existence of a local dipolar plasmon mode in doped small gold atomic arrays. <i>Physical Review B</i> , 2020 , 101,	3.3 1
232	Ultrashort field emission in metallic nanostructures and low-dimensional carbon materials. 2020 , 5, 1726207	4
231	Plasmonic Effects on the Growth of Ag Nanocrystals in Solution. 2020 , 36, 2044-2051	7
230	Strongly coupled, high-quality plasmonic dimer antennas fabricated using a sketch-and-peel technique. 2020 , 9, 401-412	9
229	Nanoparticles Enhanced Self-driven Microfluidic Biosensor. 2020 , 11,	4
228	Topology Optimization-Based Inverse Design of Plasmonic Nanodimer with Maximum Near-Field Enhancement. 2020 , 30, 2000642	19
227	Enhanced second-harmonic generation of asymmetric Au@CdSe heterorods. 2020 , 63, 1472-1479	5

226	Generation of Near-Circularly Polarized Attosecond Pulse with Tunable Helicity by Unidirectionally Rotating Laser Field. 2020 , 532, 1900570	4
225	The Large Near-Field Enhancement due to Strong Coupling Between the LSP on the Metal Coupled Nanodisks and on the Gold Film for Short Attosecond Pulse Generation. 2021 , 16, 305-314	
224	Efficient non-perturbative high-harmonic generation from nonlinear metasurfaces with low pump intensity. 2021 , 135, 106702	8
223	Modified Absorption and Emission Properties Leading to Intriguing Applications in PlasmonicExcitonic Nanostructures. 2021 , 9, 2001150	7
222	Grating-Graphene Metamaterial as a Platform for Terahertz Nonlinear Photonics. 2021 , 15, 1145-1154	25
221	Near-Infrared All-Optical Switching Based on Nano/Micro Optical Structures in YVO4 Matrix: Embedded Plasmonic Nanoparticles and Laser-Written Waveguides. 2021 , 2, 2000064	3
220	Nonlinear features of Fano resonance: a QM/EM study. 2021 , 23, 15994-16004	2
219	Controlling polarization of attosecond pulses with plasmonic-enhanced bichromatic counter-rotating circularly polarized fields. 2021 , 103,	5
218	Quantum photonics based on metasurfaces. 2021 , 4, 200092-200092	13
217	Polarization-controlled efficient and unidirectional surface plasmon polariton excitation enabled by metagratings in a generalized Kretschmann configuration. 2021 , 29, 3659-3668	2
216	A simple analytic approach to the problem of excitation of surface plasmon polaritons with a dipole nanoantenna. 2021 , 43, 100895	0
215	Chirality of Dispersion Relations and Propagation Lengths of Surface Plasmon Polaritons in Single Silver Nanowire Coated with Chiral TDBC Systems. 2021 , 16, 1357-1363	0
214	Spoof Localized Surface Plasmons for Sensing Applications. 2021 , 6, 2000863	20
213	Generation of intense single short attosecond pulse with a multicycle spatially inhomogeneous field. 2021 , 68, 382-393	1
212	Sensor based on multiple Fano resonances in MIM waveguide resonator system with silver nanorod-defect. 2021 , 229, 166237	6
211	Broadband Field Localization, Density of States, and Nonlinearity Enhancement in Nonreciprocal and Topological Hotspots. 2021 , 15,	1
210	Controlling three-step harmonic emission for intense attosecond pulses using water window harmonic spectra. 2021 , 68, 267-275	10
209	Plasmonic tweezers: for nanoscale optical trapping and beyond. 2021 , 10, 59	50

208	Substrate polarization effects on the plasmon excitations of small Na atomic chains on Si surfaces. <i>Physical Review B</i> , 2021 , 103,	3.3
207	Chirality-detectingBased chiral molecule-metal-chiral molecule structures. 2021 , 134, 27003	0
206	Quantum plasmon enhanced nonlinear wave mixing in graphene nanoflakes*. 2021 , 30, 044213	2
205	Nonlinear meta-optics towards applications. 2021 , 2,	15
204	Half-cycle waveform control for producing a broad and intense harmonic spectral continuum and an isolated attosecond pulse. 2021 , 31, 055301	8
203	Enhancement of high-order harmonic generation in two-dimensional materials by plasmonic fields. 2021 , 103,	0
202	Ultrafast switching of photoemission by polarization modulation in a metallic plasmonic nanostructure. 2021 , 70, 203-212	
201	Second harmonic generation in the tilted type-I Dirac metals under terahertz frequency regime. 2021 , 128, 114604	1
200	Extreme ultraviolet photon effect on ionization and recombination of high-order harmonic generation. 2021 , 75, 1	5
199	Quantum electrodynamics description of localized surface plasmons at a metal nanosphere. 2021 , 103,	1
198	Second Harmonic Generation Covering the Entire Visible Range from a 2D MaterialPlasmon Hybrid Metasurface. 2021 , 9, 2100625	9
197	Plasmon-induced 013 T optomagnetic field in a gold coaxial nanoaperture. 2021 , 4, 1598	0
196	Controlling high harmonic generation using inhomogeneous two-color driving laser pulse. 2021 , 31, 075302	0
195	Femtosecond Single Cycle Pulses Enhanced the Efficiency of High Order Harmonic Generation. 2021 , 12,	1
194	Beyond FowlerNordheim model: harmonic generation from metallic nano-structures. 1	0
193	Directional color routing assisted by switchable Fano resonance in bimetallic metagrating. 2021 , 10, 2497-2507	0
192	Coherent Control of High Harmonic Generation Driven by Metal Nanotip Photoemission. 2021 , 38, 063201	2
191	Deep- and vacuum-ultraviolet metaphotonic light sources. 2021 ,	7

190	Chirp waveform control to produce broad harmonic plateau and single attosecond pulse. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2021 , 76, 747-755	1.4	1
189	Mesoscopic electrodynamics at metal surfaces. 2021 , 10, 2563-2616		13
188	High-Efficiency Spatial-Wave Frequency Multiplication Using Strongly Nonlinear Metasurface. 2021 , 8, e2101212		6
187	Single-shot imaging of surface molecular ionization in nanosystems. 2021 , 10, 2651-2660		2
186	Fabrication of nanogap structures through spatially shaped femtosecond laser modification with the assistance of wet chemical etching. 2021 , 46, 3560-3563		
185	Manipulation of Ultrafast Nonlinear Optical Response Based on Surface Plasmon Resonance. 2021 , 9, 2100847		3
184	Ultrafast Electron Tunneling Devices-From Electric-Field Driven to Optical-Field Driven. 2021 , 33, e2101449		0
183	Sub-10 nm fabrication: methods and applications. 2021 , 3, 032002		34
182	Initial state effect on waveform control of high-order harmonic spectrum and attosecond pulse generation. <i>Modern Physics Letters B</i> , 2150366	1.6	1
181	Local Cracking-Induced Scalable Flexible Silicon Nanogaps for Dynamically Tunable Surface Enhanced Raman Scattering Substrates. 2021 , 8, 2100661		1
180	Nonlinear chirp combination effect on the improvement of high harmonic spectra and attosecond pulses. 2021 , 35,		1
179	Controlling the dynamics of the plasmonic field in the nano-femtosecond scale by chirped femtosecond laser pulse. 2021 , 11, 2817		0
178	Linear and nonlinear properties of ITO/SiO ₂ layered metamaterials. 2021 ,		0
177	High-harmonic generation in metallic titanium nitride. 2021 , 12, 4981		4
176	Tunable and plasmon-enhanced four-wave mixing on an aluminum grating. 2021 , 23, 095004		1
175	Drawing structured plasmonic field with on-chip metalens. 2021 ,		1
174	Plasmon-Exciton Interactions: Spontaneous Emission and Strong Coupling. 2100889		15
173	Higher-order harmonics generation based on near-field scattered laser pulse in Au-Si core-shell nanospheres. 2021 , 550, 111298		

172	First principle calculation of nonlinear optical response of (D/L)-Alanine in chiral carbon nanotube. 2021 , 183, 820-829	0
171	Structural Optimization of Single-Layer Graphene Metamaterial for Ultra-Broadband Terahertz Absorber. 2021 , 13, 1-7	0
170	Plasmonic metal nanostructures with extremely small features: new effects, fabrication and applications. 2021 , 3, 4349-4369	5
169	Probing the molecular frame of uracil and thymine with high-harmonic generation spectroscopy. 2021 , 23, 3729-3738	8
168	Precision Laser Spectroscopy in the Extreme Ultraviolet.	1
167	Nonlinear Plasmon Optics. 2015 , 155-181	2
166	High Harmonic Generation by Plasmonic Enhancement of Femtosecond Pulse Laser. 2010 , 129-144	5
165	Near-Field Optical Imaging of Wavefunctions and Optical Fields in Plasmonic Nanostructures. 2011 , 127-160	2
164	Metamaterial Design by Mesh Adaptive Direct Search. 2013 , 71-96	1
163	Nanoplasmonics: From Present into Future. 2013 , 1-101	0
162	Theoretical Analysis of Optical Absorption Spectra of Parallel Nanowire Dimers and Dolmen Trimers. 2020 , 124, 13495-13507	2
161	Plasmon-enhanced nonlinear nanofocusing of gold nanoprisms driven via an ultrafast azimuthal vector beam. 2020 , 12, 7045-7050	4
160	Dielectric-loading approach for extra electric field enhancement and spatially transferring plasmonic hot-spots. 2021 , 32, 035205	2
159	High-harmonic generation at the nanoscale boosted by bound states in the continuum. 2019 , 1,	44
158	Photodissociation dynamics of the NH molecule under intense VUV pulses. 2020 , 2,	2
157	Nonlinear optics in all-dielectric nanoantennas and metasurfaces: a review. 2019 , 1, 1	97
156	Surface plasmon resonance and polarization change properties in centrosymmetric nanoright-triangle dimer arrays. 2018 , 57, 1	3
155	Artificial Generation of High Harmonics via Nonrelativistic Thomson Scattering in Metamaterial. 2019 , 2019, 1-10	4

154	Near-Field Optical Microscopy. 2010 , 18-1-18-28	1
153	High Harmonic Generation by Resonant Plasmon Field Enhancement. 2010 ,	1
152	Using Particle Swarm Optimization to Design Broadband Optical Nano-antennas for Nonlinear Optics. 2014 ,	1
151	Control of high-order harmonic generation with chirped inhomogeneous fields. 2017 , 34, 2390	29
150	Significantly enhanced conversion efficiency of high-order harmonic generation by introducing chirped laser pulses into scheme of spatially inhomogeneous field. 2019 , 27, 8768-8776	24
149	Wavelength-dependent nonlinear absorption and ultrafast dynamics process of Au triangular nanoprisms. 2019 , 27, 18146-18156	6
148	Electron-plasmon interaction on lithium niobate with gold nanolayer and its field distribution dependent modulation. 2019 , 27, 19852-19863	7
147	Programmable field localization and enhancement effects on a non-structured planar surface with a permittivity gradient. 2020 , 28, 1051-1060	2
146	Plasmon-hybridization-induced optical torque between twisted metal nanorods. 2020 , 28, 2398-2410	2
145	Spatiotemporal manipulation on focusing and propagation of surface plasmon polariton pulses. 2020 , 28, 33516-33527	2
144	Dynamically tunable bowtie nanoantennas based on the phase transition of vanadium dioxide. 2019 , 44, 2752	9
143	Enhanced harmonic generation in gases using an all-dielectric metasurface. 2020 , 10, 733-740	4
142	High-Order Harmonic Generation in Au Nanoparticle-Contained Plasmas. 2020 , 10,	5
141	Artificial Generation of High Harmonics via Nonrelativistic Thomson Scattering in Metamaterial. 2019 , 2019, 8959285	14
140	Single isolated attosecond pulse generated by helium atom exposed to the two laser pulses with the same color and midinfrared intense laser pulse in the plasmon. 2014 , 63, 203201	6
139	High-order harmonics and attosecond pulse generation of a He ⁺ ion by a chirped two-color inhomogeneous laser field. 2015 , 64, 193201	5
138	Enhancement of high-order harmonic generation from H ₂ ⁺ in near plasmon-enhanced laser field. 2016 , 65, 123201	7
137	Time-Resolved Surface Photoelectron Spectroscopy of Photoexcited Electron and Hole Dynamics on GaAs Using 92 eV Laser Harmonic Source. 2012 , 51, 072401	4

136 Hydrogen Energy Technology and Plasmonics. **2022**, 1-4

135 Topological hybrid nanocavity for coupling phase transition.

o

134 Photoelectron holography in strong-field tunneling ionization by a spatially inhomogeneous field. **2021**, 104,

o

133 Analysis of a higher-energy structure in nanotip enhanced fields.

o

132 Novel Possibility of Plasmonic Photonic Devices Using Metallic Nanostructures. **2008**, 74, 799-803

131 Into the EUV.

130 High order harmonic generation with enhanced near-field by localized surface plasmon. **2009**,

129 First Demonstration of High Harmonic Generation (HHG) in a Hollow-Core Photonic Crystal Fiber. **2009**,

128 Influence of Hole Sizes and Adhesion Layers on the Third-harmonic Generation from Sub-wavelength Apertures. **2009**,

127 Using high-order harmonic generation for EUV Fourier transform spectroscopy. **2009**,

126 High harmonic generation by surface plasmon resonance. **2009**,

125 High-order harmonics of a continuous-wave driving laser. **2010**,

124 High Harmonics Generation by Plasmonic Resonance of Metal Nanostructures and its Applications. **2010**,

123 Emitter of Continues-Wave, Ultra Coherent, Extreme Ultraviolet Radiation That Is Driven by Low-Power Laser. **2010**,

122 High-Order Harmonic Generation from Nanostructured Material Using the Laser-Plasma Method. **2010**, 145-160

121 Nanofocusing by phase delayed plasmonic nanostructures illuminated with a linearly polarized light. **2010**, 59, 6921

5

120 High Harmonic Generation in Plasmonic Nanostructures. **2010**,

119 Long-term reliable phase-locked seed source for Yb-fiber-based chirped pulse amplification. **2010**,

- 118 Profile Analysis of a Yb:YAG Chirped-Pulse Oscillator. **2010**,
- 117 Research Progress in Nanophotonics Materials and Devices. **2011**, 01, 9-19
- 116 Tailoring the geometry of nanoplasmonic antennas for optimal chip-scale nonlinear infrared spectroscopy. **2011**,
- 115 Reliable Carrier-Envelope Phase Control for Current and Future Attosecond Experiments. **2012**,
- 114 Terahertz Resonant Dipole Nanoantennas. **2012**,
- 113 A nanoplasmonic contour bowtie for nanoscale confinement of midinfrared radiation. **2012**,
- 112 Strong-Field Effects and Attosecond Control of Electrons in Photoemission from a Nanoscale Metal Tip. **2012**, 401-406
- 111 Influence of Gas Pressure on High Harmonic Generation on Argon. **2012**, o
- 110 Femtosecond Laser-Induced X-Ray Emission from Gold Nano-Colloidal Solutions. **2012**, 407-410
- 109 Broad-bandwidth and ultrafast electromagnetic response of coupled bimetal nanoantennas in few-cycle laser applications. **2012**, 61, 014207
- 108 Thermal nonlinearities in gold nanostructures. **2012**,
- 107 Second harmonic generations pumped by Surface Plasmon enhanced fields in nonelectrically poled NLO polymers. **2013**,
- 106 Enhanced third harmonic generation by localized surface plasmon excitation. **2013**, 62, 178104 1
- 105 Plasmonic comb structures for efficient second harmonic generation. **2013**,
- 104 High order harmonics generation in laser surface ablation: current trends. **2013**, 183, 815-847 3
- 103 Nanopatterned Photonics on Probe. **2013**, 261-284
- 102 Ablation of Clusters from Surfaces for Harmonic Generation of Laser Radiation. **2014**, 181-221
- 101 Analysis of Surface Optical Nonlinearities. **2014**, 61-86

100 Strong-Field Photoemission from Metallic Nanotips. **2015**, 185-192

99 Background. **2015**, 1-17

98 Plasmonic lens with long focal length and tight focusing under illumination of a radially polarized light. **2015**, 64, 097301

1

97 Few-Cycle-Laser-Pulse Induced and Assisted Processes in Atoms, Molecules, and Nanostructures. **2016**, 27-47

96 Attosecond XUV Pulses and Surface Plasmon Polaritons: Two Case Studies. **2016**, 259-293

95 EUV Research at Berkeley Lab: Enabling Technologies and Applications. **2016**, 293-300

94 Plasmonic-Enhanced High Harmonic Generation from Bulk Silicon. **2016**,

93 Chapter 5 Plasmonic Enhancement. **2016**, 225-286

92 Introduction. **2017**, 1-6

91 Coherent extreme ultraviolet pulse generation using metal-sapphire nanostructures. **2017**,

90 Frequency-super-mixing in dielectric metasurfaces. **2017**,

89 Surface-enhanced Raman scattering effect of silver nanoparticles array. **2018**, 67, 197302

7

88 Effect of the Different External Fields on Plasmon Excitations in Two-Dimensional Disk. **2018**, 08, 413-420

87 Intra- and Interband Transitions in High-Order Harmonic Generation from Solids. **2018**, 239-256

86 Time Frequency Analysis of Higher Harmonic Generation in a Three Color Laser Pulse. **2018**, 12, 57-68

1

85 Suitable Er³⁺-doped tellurite glass-based plasmonic structures for nanophotonic device applications. **2018**, 57, 1

1

84 Interaction properties between different modes of localized and propagating surface plasmons in a dimer nanoparticle array. **2018**, 57, 1

2

83 Coherent Control of Spatiotemporal Evolution of the Localized Surface Plasmon Field. **2019**, 09, 442-448

- 82 Nano-antennas Excitation with Visible Light and Their Observed Response with a Confocal Microscope in the THz Range. **2019**, 45-49
- 81 Simulation of unconventional lithography with a metasurface comprised of bow-tie nanoantennas. **2019**, 36, 500 1
- 80 silicon-based plasmonic nanoantennas. **2019**, 1
- 79 Enhancement of optical near field by bowtie nanoantenna with V-structured hole. **2019**,
- 78 Nano-antennas excitation with visible light and their response as observed with a confocal microscope. **2019**,
- 77 Generation of High Order Harmonics from H₂⁺ Molecule Ion by Using Homogenous and Inhomogeneous Laser Fields. **2019**, 13, 135-144
- 76 Effect of strain on surface plasmon polaritons of a graphene cladded one-dimensional photonic crystal. **2020**, 59, 2149-2156
- 75 Double-plateau structure and the effect of the carrier-envelope phase on high-order harmonic generation from a Rydberg atom in a few-cycle laser pulse. **2020**, 37, 1781 0
- 74 Excitation of surface plasmon waves with a nanoantenna: simple analytical solution and its numerical verification. **2020**, 44, 893-900 1
- 73 On the Quantum-Optical Nature of High Harmonic Generation. **2020**,
- 72 Nonlinear Light Generation in Localized Fields Using Gases and Tailored Solids. **2020**, 523-530 1
- 71 Non-uniform Optical Near-Field. **2020**, 3-22
- 70 Analytical Calculations of Scattering Amplitude of Surface Plasmon Polaritons Excited by a Spherical Nanoantenna. **2021**, 11,
- 69 Full-color enhanced second harmonic generation using rainbow trapping in ultrathin hyperbolic metamaterials. **2021**, 12, 6425 8
- 68 Attosecond photoemission delay in the inhomogeneous field. **2021**, 29, 39729-39737
- 67 Control of the half-cycle harmonic emission process for generating the intense and ultrashort single attosecond pulses (SAPs). *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2020**, 75, 903-911 1.4
- 66 Plasmon induced multiphoton photoemission in plasmon nanostructure by PEEM. **2020**,
- 65 Broadband enhancement of second-harmonic generation at the domain walls of magnetic topological insulators. **2020**, 9, 4489-4495

64 Guiding and routing surface plasmons with transformation-invariant metamaterials.

63 Optical meta-waveguides for integrated photonics and beyond. **2021**, 10, 235

32

62 Chirp duration effect on high-order harmonic spectra. **2021**, 75, 1

1

61 Nanoscale Visualization of a Photoinduced Plasmonic Near-Field in a Single Nanowire by Free Electrons. **2021**,

3

60 Orientation and Ellipticity Dependence of High-order Harmonic Generation in Nanowires.

59 Effect of plasmonic coupling in different assembly of gold nanorods studied by FDTD. **2022**, 55, 19

o

58 Controlling electron acceleration process to produce harmonic spectral continuum and single harmonic.

57 High-Harmonic Generation from Resonant Dielectric Metasurfaces Empowered by Bound States in the Continuum.

8

56 Electron-rotation coupling in UV photodissociation of aligned diatomics. **2022**, 4,

o

55 Resonant field enhancement in lossy periodic structures supporting complex bound states in the continuum. **2022**, 39, 611

o

54 Gold Nanorods for Doxorubicin Delivery: Numerical Analysis of Electric Field Enhancement, Optical Properties and Drug Loading/Releasing Efficiency.. **2022**, 15,

2

53 Nanotubes as sinks for quantum particles.. **2022**, 39, 580-586

o

52 Efficient optimization of nonlinear optical devices with ITO/SiO₂ layered hyperbolic metamaterials. **2022**,

o

51 Laser annealing of bimetal porous structures produced by PLD in open air. **2022**, 2240, 012045

50 Recent advances in ultrafast plasmonics: from strong field physics to ultraprecision spectroscopy. **2022**,

o

49 Nonlinear Forced Response of Plasmonic Nanostructures.. **2022**, 128, 103901

48 Understanding Quantum Plasmonic Enhancement in Nanorod Dimers from Time-Dependent Orbital-Free Density Functional Theory. **2022**, 126, 5046-5054

1

47 High-Uniformity Submicron Gratings with Tunable Periods Fabricated through Femtosecond Laser-Assisted Molding Technology for Deformation Detection.. **2022**,

2

46	Chirp form selection to produce intense and broad harmonic spectra and attosecond pulses in the presence of single and superposition initial states. <i>Modern Physics Letters B</i> , 2022 , 36,	1.6	
45	Time and space waveform optimization to extend the harmonic cutoff and to produce the water window single attosecond pulse. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2021 ,	1.4	
44	Recent trends in high-order harmonic generation in solids. 2022 , 7,		0
43	Applications of optically and electrically driven nanoscale bowtie antennas. 2022 , 1, 210004-210004		0
42	Study of Optical Information Recording Mechanism Based on Localized Surface Plasmon Resonance with Au Nanoparticles Array Deposited Media and Ridge-Type Nanoaperture.. 2022 , 12,		
41	Nonsequential Double Ionization driven by inhomogeneous laser fields.		0
40	Strong-field physics with nanospheres. 2022 , 7,		1
39	Observation of Two-Mode Squeezing in a Traveling Wave Parametric Amplifier.. 2022 , 128, 153603		4
38	Wavelength dependence of photoelectron momentum distributions in a spatially inhomogeneous field. 2022 , 105,		0
37	Controlling the harmonic generation in transition metal dichalcogenides and their heterostructures. 2022 ,		0
36	Experimental verification of ill-defined topologies and energy sinks in electromagnetic continua. 2022 , 4,		
35	Nonlinear Strong Coupling by Second-Harmonic Generation Enhancement in Plasmonic Nanopatch Antennas. 2200510		1
34	Pressure sensor based on multiple Fano resonance in metal-insulator-metal waveguide coupled resonator structure.		2
33	Second-harmonic generation from singular metasurfaces. <i>Physical Review B</i> , 2022 , 105,	3.3	0
32	Optical Metasurfaces for Energy Conversion. <i>Chemical Reviews</i> ,	68.1	4
31	Isolated short attosecond pulse generation by a spatially inhomogeneous combined field. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2022 ,	1.4	
30	Spatial inhomogeneous effect on single-order harmonic enhancement. <i>Modern Physics Letters B</i> ,	1.6	
29	Plasmonic Nanoparticles Embedded in Nanomembrane Microcavity for Flexible Optical Tuning. 2200765		

- 28 Ultrafast laser matter interactions: modelling approaches, challenges, and prospects.
- 27 Design and investigation of gold photocathode performance based on asymmetric plasmonic nano-gratings. **2022**, 54,
- 26 Nonlinear optical properties of tin telluride topological crystalline insulator at a telecommunication wavelength. **2022**, 925, 166643 ○
- 25 HHG in Metal Nanoparticles. **2022**, 151-172 ○
- 24 Low Loss Hybrid Plasmonic Waveguide with Variable Nonlinearity and Ultralow Dispersion. ○
- 23 Optimizing Switching of Non-linear Properties with Hyperbolic Metamaterials. ○
- 22 Low-order nonlinearities and high-order harmonics generation in Zn and ZnSe nanoparticles synthesized during femtosecond laser ablation at a 50 kHz pulse repetition rate. **2022**, 39, 2794 ○
- 21 Mechanically tunable metasurface with large gamut of color: Lateral hybrid system. **2022**, 132, 133102 ○
- 20 Huygens' metasurface-based surface plasmon coupler with near-unit efficiency. **2022**, 47, 5708 ○
- 19 Intense high-frequency laser-field control of spin-orbit coupling in GaInAs/AlInAs quantum wells: A laser dressing effect. **2022**, 106, 1
- 18 Control of coherent extreme-ultraviolet emission around atomic potential through laser chirp. 10, ○
- 17 Deterministic nanoantenna array design for stable plasmon-enhanced harmonic generation. **2022**, 1
- 16 Topological aspects in nonlinear optical frequency conversion. **2022**, 106, ○
- 15 Spatiotemporal manipulation of localized plasmon modes within nano-femto scale using femtosecond chirped pulses. **2023**, ○
- 14 Large-area opposing double nanocrescents-nanoparticle arrays for polarization dependent SERS effects. **2023**, 613, 156117 ○
- 13 Dynamics of Frustrated Tunneling Ionization driven by inhomogeneous laser fields. ○
- 12 A Potential-Based Boundary Element Implementation for Modeling Multiple Scattering from Local and Nonlocal Plasmonic Nanowires. 2200722 ○
- 11 4D Ultrafast TEM. **2023**, 327-371 ○

- 10 Magnetron-Sputtered Silver Nanoparticles for Surface Plasmons for Terahertz Sensors. ○
- 9 Multiphoton and Strong-Field Processes. **2023**, 1125-1140 ○
- 8 A Circular Dipole Nanoantenna with Improved Performance. **2022**, ○
- 7 Metal Organic Framework Template-Guided Electrochemical Lithography. ○
- 6 Theoretical Simulation of the High Order Harmonic Generated from Neon Atom Irradiated by the Intense Laser Pulse. **2023**, 15, 636 1
- 5 Atomic Rydberg-state excitation in strong spatially inhomogeneous fields. **2023**, 107, ○
- 4 Plate-Like Colloidal Metal Nanoparticles. **2023**, 123, 3493-3542 ○
- 3 Insights into Laser-Matter Interaction from Inside: Wealth of Processes, Multiplicity of Mechanisms and Possible Roadmaps for Energy Localization. **2023**, 3-64 ○
- 2 Focusing enhancement of terahertz surface plasmon polaritons. **2023**, 122, 151101 ○
- 1 Ag/ZIF-8/PAN flexible SERS substrate with high sensitivity for the surface corrosion analysis. ○