

CITATION REPORT

List of articles citing

Plasmon Hybridization in Nanoparticle Dimers

DOI: 10.1021/nl049681c
Nano Letters, 2004, 4, 899-903.

Source: <https://exaly.com/paper-pdf/36912515/citation-report.pdf>

Version: 2024-04-28

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

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
1475	Optical near-field excitations on plasmonic nanoparticle-based structures. 2007 , 15, 4253		
1474	Multipolar and dark-mode plasmon resonances on drilled silver nano-triangles. 2015 , 23, 18002		
1473	Multipolar and dark-mode plasmon resonances on drilled silver nano-triangles. 2015 , 23, 18002		
1472	Multipolar and dark-mode plasmon resonances on drilled silver nano-triangles. 2015 , 23, 18002		
1471	Multipolar and dark-mode plasmon resonances on drilled silver nano-triangles. 2015 , 23, 18002		
1470	Multipolar and dark-mode plasmon resonances on drilled silver nano-triangles. 2015 , 23, 18002		
1469	Multipolar and dark-mode plasmon resonances on drilled silver nano-triangles. 2015 , 23, 18002		
1468	Multipolar and dark-mode plasmon resonances on drilled silver nano-triangles. 2015 , 23, 18002		
1467	Multipolar and dark-mode plasmon resonances on drilled silver nano-triangles. 2015 , 23, 18002		
1466	Multipolar and dark-mode plasmon resonances on drilled silver nano-triangles. 2015 , 23, 18002		
1465	Multipolar and dark-mode plasmon resonances on drilled silver nano-triangles. 2015 , 23, 18002		
1464	Multipolar and dark-mode plasmon resonances on drilled silver nano-triangles. 2015 , 23, 18002		
1463	An electrodynamics-Langevin dynamics (ED-LD) approach to simulate metal nanoparticle interactions and motion. 2015 , 23, 29978		
1462	Optical near-field excitations on plasmonic nanoparticle-based structures. 2007 , 15, 4253		
1461	An electrodynamics-Langevin dynamics (ED-LD) approach to simulate metal nanoparticle interactions and motion. 2015 , 23, 29978		
1460	Direct imaging of hybridized eigenmodes in coupled silicon nanoparticles. 2016 , 3, 93		
1459	Multipolar and dark-mode plasmon resonances on drilled silver nano-triangles. 2015 , 23, 18002		

1458	Aggregation-Driven Controllable Plasmonic Transition of Silica-Coated Gold Nanoparticles with Temperature-Dependent PolymerNanoparticle Interactions for Potential Applications in Optoelectronic Devices.		
1457	How Does a Plasmon-Induced Hot Charge Carrier Break a CC Bond?.		
1456	Strongly Interacting Plasmon Nanoparticle Pairs: From DipoleDipole Interaction to Conductively Coupled Regime. <i>Nano Letters</i> , 2004 , 4, 1627-1631	11.5	565
1455	Surface-enhanced Raman scattering on tunable plasmonic nanoparticle substrates. 2004 , 101, 17930-5		520
1454	Optical Properties of Metallodielectric Nanostructures Calculated Using the Finite Difference Time Domain Method. 2004 , 108, 17740-17747		273
1453	Plasmon Hybridization in Nanoparticles near Metallic Surfaces. <i>Nano Letters</i> , 2004 , 4, 2209-2213	11.5	282
1452	Imaging of localized silver plasmon dynamics with sub-fs time and nano-meter spatial resolution. 2005 , 645-649		1
1451	Coherently tunable third-order nonlinearity in a nanojunction. 2005 , 38, L347-L355		4
1450	Construction of a network structure composed of gold nanoparticles and spin-polarized molecular wires and its conducting and magnetic properties. 2005 , 24, 2263-2268		15
1449	Dipole-dipole plasmon interactions in gold-on-polystyrene composites. 2005 , 109, 21516-20		73
1448	Effect of glass pre-treatment on the nucleation of semi-transparent gold coatings. 2005 , 94, 266-274		12
1447	Finite-difference time-domain studies of the optical properties of nanoshell dimers. 2005 , 109, 10042-51		197
1446	Cumulative plasmon field enhancement in finite metal particle chains. 2005 , 30, 1882-4		41
1445	Surface-enhanced Raman scattering from individual au nanoparticles and nanoparticle dimer substrates. <i>Nano Letters</i> , 2005 , 5, 1569-74	11.5	978
1444	Highly confined electromagnetic fields in arrays of strongly coupled Ag nanoparticles. <i>Physical Review B</i> , 2005 , 71,	3.3	209
1443	Plasmons in the metallic nanoparticle-film system as a tunable impurity problem. <i>Nano Letters</i> , 2005 , 5, 2009-13	11.5	140
1442	Plasmon hybridization in nanoshell dimers. <i>Journal of Chemical Physics</i> , 2005 , 123, 24701	3.9	84
1441	Playing with Plasmons: Tuning the Optical Resonant Properties of Metallic Nanoshells. 2005 , 30, 362-367		243

1440	Plasmon tunability in metallodielectric metamaterials. <i>Physical Review B</i> , 2005 , 71,	3.3	41
1439	Nanosphere arrays with controlled sub-10-nm gaps as surface-enhanced raman spectroscopy substrates. 2005 , 127, 14992-3		568
1438	Profiling the near field of a plasmonic nanoparticle with Raman-based molecular rulers. <i>Nano Letters</i> , 2006 , 6, 2338-43	11.5	112
1437	Geometry dependent features of optically induced forces between silver nanoparticles. 2006 , 110, 19243-53		5
1436	Linear-response study of plasmon excitation in metallic thin films: Layer-dependent hybridization and dispersion. <i>Physical Review B</i> , 2006 , 73,	3.3	42
1435	Plasmon modes of nanosphere trimers and quadrumers. 2006 , 110, 12302-10		220
1434	Plasmonic nanoparticle heterodimers in a semiembedded geometry fabricated by stepwise upright assembly. <i>Nano Letters</i> , 2006 , 6, 2945-8	11.5	38
1433	Symmetry breaking in individual plasmonic nanoparticles. 2006 , 103, 10856-60		246
1432	Plasmons in nearly touching metallic nanoparticles: singular response in the limit of touching dimers. <i>Optics Express</i> , 2006 , 14, 9988-99	3.3	658
1431	Localized Spins Exchange-coupled with Itinerant Electrons in Organic Electronic System. 2006 , 1-22		2
1430	Plasmons in nanostructures with reduced symmetry. 2006 ,		1
1429	Nanorice: a hybrid plasmonic nanostructure. <i>Nano Letters</i> , 2006 , 6, 827-32	11.5	661
1428	Plasmon coupling in nanorod assemblies: optical absorption, discrete dipole approximation simulation, and exciton-coupling model. 2006 , 110, 18243-53		685
1427	Plasmonic structure and electromagnetic field enhancements in the metallic nanoparticle-film system. 2006 , 84, 35-41		76
1426	Near field properties in the vicinity of gold nanoparticles placed on various substrates for precise nanostructuring. <i>Journal Physics D: Applied Physics</i> , 2006 , 39, 5037-5042	3	57
1425	Optimized plasmonic nanoparticle distributions for solar spectrum harvesting. 2006 , 89, 153120		158
1424	Optical properties of photonic crystals composed of metal-coated spheres. <i>Physical Review B</i> , 2006 , 73,	3.3	29
1423	Plasmon hybridization in nanoshells with a nonconcentric core. <i>Journal of Chemical Physics</i> , 2006 , 125, 124708	3.9	70

1422	Plasmonics: Fundamentals and Applications. 2007 ,		4591
1421	Hyper-Raman scattering enhanced by anisotropic dimer plasmons on artificial nanostructures. <i>Journal of Chemical Physics</i> , 2007 , 127, 111103	3.9	36
1420	Surface-enhanced Raman spectroscopy and correlated scanning electron microscopy of individual carbon nanotubes. 2007 , 91, 223105		52
1419	Particle plasmons of metal nanospheres: application of multiple scattering approach. 2007 , 76, 016609		52
1418	Spectral degeneracy breaking of the plasmon resonance of single metal nanoparticles by nanoscale near-field photopolymerization. 2007 , 98, 107402		72
1417	Optical properties of metallic nanoparticle arrays on a thin metallic film. <i>Physical Review B</i> , 2007 , 75,	3.3	102
1416	Mercury Detection with Ag Nanoparticles Reduced on Si Thin Films. 2007 , 1010, 1		0
1415	Optical near-field excitations on plasmonic nanoparticle-based structures. <i>Optics Express</i> , 2007 , 15, 4253367		89
1414	Colloquium: Light scattering by particle and hole arrays. 2007 , 79, 1267-1290		956
1413	Plasmonic nanostructures: artificial molecules. 2007 , 40, 53-62		580
1412	Interparticle coupling effect on the surface plasmon resonance of gold nanoparticles: from theory to applications. 2007 , 107, 4797-862		2094
1411	Optical Effects of Metallic Nanoparticles. 2007 , 60, 447		21
1410	Improved effective medium approach: Application to metal nanocomposites. <i>Journal of Applied Physics</i> , 2007 , 101, 024302	2.5	18
1409	Solid-state Electrochemical Stamping of Functional Metallic Nanostructures. 2007 ,		
1408	pH-Dependent Intercalation of Gold Nanoparticles into a Synthetic Fluoromica Modified with Poly(Allylamine). 2007 , 19, 6588-6596		19
1407	Controlling the Fano interference in a plasmonic lattice. <i>Physical Review B</i> , 2007 , 76,	3.3	157
1406	Electromigrated nanoscale gaps for surface-enhanced Raman spectroscopy. <i>Nano Letters</i> , 2007 , 7, 1396-409		280
1405	Magnetic plasmon hybridization and optical activity at optical frequencies in metallic nanostructures. <i>Physical Review B</i> , 2007 , 76,	3.3	189

1404	The effect of plasmon field on the coherent lattice phonon oscillation in electron-beam fabricated gold nanoparticle pairs. <i>Nano Letters</i> , 2007 , 7, 3227-34	11.5	123
1403	PLASMON HYBRIDIZATION IN COMPLEX NANOSTRUCTURES. 2007 , 183-196		12
1402	Strong enhancement of the radiative decay rate of emitters by single plasmonic nanoantennas. <i>Nano Letters</i> , 2007 , 7, 2871-5	11.5	435
1401	Universal scaling of plasmon coupling in metal nanostructures: extension from particle pairs to nanoshells. <i>Nano Letters</i> , 2007 , 7, 2854-8	11.5	261
1400	Characterization of the optical properties of silver nanoparticle films. 2007 , 18, 075706		62
1399	Moving nanoparticles with Raman scattering. <i>Nano Letters</i> , 2007 , 7, 2753-7	11.5	68
1398	Plasmonic nanoshell arrays combine surface-enhanced vibrational spectroscopies on a single substrate. 2007 , 46, 9040-4		162
1397	Plasmonic Nanoshell Arrays Combine Surface-Enhanced Vibrational Spectroscopies on a Single Substrate. 2007 , 119, 9198-9202		11
1396	Plasmon Hybridization in Stacked Cut-Wire Metamaterials. <i>Advanced Materials</i> , 2007 , 19, 3628-3632	24	181
1395	HoleMask Colloidal Lithography. <i>Advanced Materials</i> , 2007 , 19, 4297-4302	24	461
1394	Analytic T-matrix solution of light scattering from capsule and bi-sphere particles: Applications to spore detection. 2007 , 108, 81-105		20
1393	Nano-optics from sensing to waveguiding. 2007 , 1, 641-648		1716
1392	Strongly localized plasmon oscillations in a cluster of two metallic nanospheres and their influence on spontaneous emission of an atom. <i>Physical Review B</i> , 2007 , 75,	3.3	47
1391	Radiation damping in metal nanoparticle pairs. <i>Nano Letters</i> , 2007 , 7, 318-22	11.5	120
1390	On the Universal Scaling Behavior of the Distance Decay of Plasmon Coupling in Metal Nanoparticle Pairs: A Plasmon Ruler Equation. <i>Nano Letters</i> , 2007 , 7, 2080-2088	11.5	1240
1389	Symmetric and antisymmetric modes of electromagnetic resonators. 2007 , 87, 171-174		15
1388	Plasmonic atoms and plasmonic molecules. 2007 , 89, 305-314		30
1387	Monofunctional gold nanoparticles: synthesis and applications. 2007 , 9, 1013-1025		43

1386	Nanostructured surfaces and assemblies as SERS media. 2008 , 4, 1576-99		668
1385	Metal-nanoparticle plasmonics. 2008 , 2, 136-159		519
1384	Plasmonic Building Blocks for Magnetic Molecules in Three-Dimensional Optical Metamaterials. <i>Advanced Materials</i> , 2008 , 20, 3859-3865	24	137
1383	Surface enhanced infrared absorption (SEIRA) spectroscopy on nanoshell aggregate substrates. 2008 , 452, 115-119		179
1382	Raman scattering of aryl isocyanide monolayers on atomically flat Au(1 1 1) single crystal surfaces enhanced by gap-mode plasmon excitation. 2008 , 460, 205-208		83
1381	A computational study of the optical response of strongly coupled metal nanoparticle chains. 2008 , 281, 855-864		22
1380	Modelling the optical response of gold nanoparticles. 2008 , 37, 1792-805		924
1379	Three-dimensional photonic metamaterials at optical frequencies. 2008 , 7, 31-7		710
1378	High NA particle- and tip-enhanced nanoscale Raman spectroscopy with a parabolic-mirror microscope. 2008 , 229, 247-53		44
1377	Near-field-induced tunability of surface plasmon polaritons in composite metallic nanostructures. 2008 , 229, 344-53		35
1376	Gold nanolenses generated by laser ablation-efficient enhancing structure for surface enhanced Raman scattering analytics and sensing. 2008 , 80, 4247-51		71
1375	Fano profiles induced by near-field coupling in heterogeneous dimers of gold and silver nanoparticles. 2008 , 101, 197401		173
1374	Three-dimensional optical antennas: Nanocones in an apertureless scanning near-field microscope. 2008 , 93, 111114		50
1373	Coupling of plasmonic nanoparticles to their environments in the context of van der Waals-Casimir interactions. <i>Physical Review B</i> , 2008 , 77,	3.3	8
1372	Surface Plasmon Coupling and Its Universal Size Scaling in Metal Nanostructures of Complex Geometry: Elongated Particle Pairs and Nanosphere Trimers. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 4954-4960	3.8	178
1371	Synthesis of a gold nanoparticle dimer plasmonic resonator through two-phase-mediated functionalization. 2008 , 19, 435605		28
1370	Nanoparticle-induced enhancement and suppression of photocurrent in a silicon photodiode. <i>Nano Letters</i> , 2008 , 8, 624-30	11.5	107
1369	Electrodynamics study of plasmonic bonding and antibonding forces in a bisphere. <i>Physical Review B</i> , 2008 , 77,	3.3	35

1368	Excitation and emission enhancement of single molecule fluorescence through multiple surface-plasmon resonances on metal trimer nanoantennas. 2008 , 33, 899-901		51
1367	Optically controlled interparticle distance tuning and welding of single gold nanoparticle pairs by photochemical metal deposition. <i>Optics Express</i> , 2008 , 16, 12362-71	3.3	44
1366	Electric and magnetic resonances in arrays of coupled gold nanoparticle in-tandem pairs. <i>Optics Express</i> , 2008 , 16, 13287-95	3.3	53
1365	SERS--a single-molecule and nanoscale tool for bioanalytics. 2008 , 37, 1052-60		831
1364	Symmetry breaking in a plasmonic metamaterial at optical wavelength. <i>Nano Letters</i> , 2008 , 8, 2171-5	11.5	200
1363	Close encounters between two nanoshells. <i>Nano Letters</i> , 2008 , 8, 1212-8	11.5	421
1362	Polarization-Dependent Surface Enhanced Raman Scattering from Silver 1D Nanoparticle Arrays. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 11609-11613	3.8	39
1361	Managing light polarization via plasmon-molecule interactions within an asymmetric metal nanoparticle trimer. 2008 , 105, 16448-53		203
1360	Resonances of individual lithographic gold nanowires in the infrared. 2008 , 93, 163105		43
1359	Chapter 7 Photoexcitation and Optical Absorption. 2008 , 5, 175-229		1
1358	Gold Nanoparticle Aggregate Morphology with Controllable Interparticle Spacing Prepared by a Polyelectrolyte Network Template. 2008 , 61, 1		6
1357	Plasmon resonances in linear atomic chains: Free-electron behavior and anisotropic screening of d electrons. <i>Physical Review B</i> , 2008 , 78,	3.3	123
1356	Gain, detuning, and radiation patterns of nanoparticle optical antennas. <i>Physical Review B</i> , 2008 , 78,	3.3	48
1355	Plasmon molecules in overlapping nanovoids. <i>Physical Review B</i> , 2008 , 77,	3.3	9
1354	Near-field Raman imaging and electromagnetic field confinement in the self-assembled monolayer array of gold nanoparticles. 2008 , 24, 9241-4		38
1353	Observation of plasmonic dipolar anti-bonding mode in silver nanoring structures. 2009 , 20, 465203		62
1352	Probing surface plasmons in individual Ag nanoparticles in the ultra-violet spectral regime. 2009 , 20, 235705		9
1351	Van der Waals Forces Between Plasmonic Nanoparticles. <i>Plasmonics</i> , 2009 , 4, 31-36	2.4	20

1350	Coupled magnetic plasmons in metamaterials. 2009 , 246, 1397-1406		73
1349	Plasmon coupling in clusters composed of two-dimensionally ordered gold nanocubes. 2009 , 5, 2111-9		110
1348	Stereometamaterials. 2009 , 3, 157-162		569
1347	Near-field electrical detection of optical plasmons and single-plasmon sources. 2009 , 5, 475-479		256
1346	Surface plasmon resonance in near-field coupled gold cylinder arrays fabricated by EUV-interference lithography and hot embossing. 2009 , 256, 431-434		14
1345	High resolution probing of multi wall carbon nanotubes by Tip Enhanced Raman Spectroscopy in gap-mode. 2009 , 469, 161-165		30
1344	Polymer-encapsulated silver nanoparticle monomer and dimer for surface-enhanced Raman scattering. 2009 , 473, 317-320		18
1343	Distance and orientation dependence of excitation energy transfer: from molecular systems to metal nanoparticles. 2009 , 113, 1817-32		118
1342	Plasmon coupling of gold nanorods at short distances and in different geometries. <i>Nano Letters</i> , 2009 , 9, 1651-8	11.5	627
1341	Bridging of gold nanoparticles by functional polyphenylene dendrimers. 2009 , 25, 11917-22		11
1340	Electron energy-loss spectroscopy (EELS) of surface plasmons in single silver nanoparticles and dimers: influence of beam damage and mapping of dark modes. <i>ACS Nano</i> , 2009 , 3, 3015-22	16.7	286
1339	Acousto-plasmonic hot spots in metallic nano-objects. <i>Nano Letters</i> , 2009 , 9, 3732-8	11.5	32
1338	Robust plasmon waveguides in strongly interacting nanowire arrays. <i>Nano Letters</i> , 2009 , 9, 1285-9	11.5	92
1337	High Fidelity Nano-Hole Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 11190-4	11.5	1197
1336	Tuning of an optical dimer nanoantenna by electrically controlling its load impedance. <i>Nano Letters</i> , 2009 , 9, 3914-21	11.5	73
1335	Real-space mapping of the strongly coupled plasmons of nanoparticle dimers. <i>Nano Letters</i> , 2009 , 9, 3619-25	11.5	128
1334	Plasmonic Resonances of Closely Coupled Gold Nanosphere Chains. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 2784-2791	3.8	75
1333	Enhancement of optical properties of nanoscaled objects by metal nanoparticles. 2009 , 26, B83		69

1332	The role of nanoparticle shapes and deterministic aperiodicity for the design of nanoplasmonic arrays. <i>Optics Express</i> , 2009 , 17, 9648-61	3.3	46
1331	Comparison of FDTD numerical computations and analytical multipole expansion method for plasmonics-active nanosphere dimers. <i>Optics Express</i> , 2009 , 17, 9688-703	3.3	80
1330	Excitation of dark plasmons in metal nanoparticles by a localized emitter. 2009 , 102, 107401		182
1329	Surface Plasmon Resonance of Single Gold Nanodimers near the Conductive Contact Limit. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 4349-4356	3.8	83
1328	Quantum description of the plasmon resonances of a nanoparticle dimer. <i>Nano Letters</i> , 2009 , 9, 887-91	11.5	688
1327	Ag@SiO ₂ core-shell nanoparticles for probing spatial distribution of electromagnetic field enhancement via surface-enhanced Raman scattering. <i>ACS Nano</i> , 2009 , 3, 3493-6	16.7	111
1326	Plasmonic Enhancement of Raman Scattering on Non-SERS-Active Platinum Substrates. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 11816-11821	3.8	69
1325	Probing bright and dark surface-plasmon modes in individual and coupled noble metal nanoparticles using an electron beam. <i>Nano Letters</i> , 2009 , 9, 399-404	11.5	286
1324	Light-bending nanoparticles. <i>Nano Letters</i> , 2009 , 9, 1255-9	11.5	133
1323	Influence of the tip in near-field imaging of nanoparticle plasmonic modes: Weak and strong coupling regimes. <i>Physical Review B</i> , 2009 , 79,	3.3	95
1322	A plasmonic fluid with dynamically tunable optical properties. 2009 , 19, 8728		21
1321	High-throughput fabrication of nanoantennae over large areas for biosensing and nanospectroscopy. 2009 , 95, 231903		4
1320	Hot spots in highly Raman-enhancing silver nano-dendrites. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 175403	3	44
1319	Influence of the close sphere interaction on the surface plasmon resonance absorption peak. 2009 , 11, 5922-9		16
1318	Perturbation theory for plasmonic eigenvalues. <i>Physical Review B</i> , 2009 , 80,	3.3	7
1317	Gold nanoparticles can induce the formation of protein-based aggregates at physiological pH. <i>Nano Letters</i> , 2009 , 9, 666-71	11.5	317
1316	Nanostructures of Cysteine-Coated CdS Nanoparticles Produced with Two-Particle Lithography. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 5933-5940	3.8	20
1315	Negative effective permeability of multilayers of ordered arrays of metal-dielectric nanosandwiches. 2009 ,		

1314	Electric field enhancement between two parallel cylinders due to plasmonic resonance. 2010 , 110, 193-198	11
1313	Coupling of optical resonances in a compositionally asymmetric plasmonic nanoparticle dimer. <i>Nano Letters</i> , 2010 , 10, 2655-60	11.5 305
1312	Electromagnetic forces on plasmonic nanoparticles induced by fast electron beams. <i>Physical Review B</i> , 2010 , 82,	3.3 28
1311	Effects of symmetry breaking and conductive contact on the plasmon coupling in gold nanorod dimers. <i>ACS Nano</i> , 2010 , 4, 4657-66	16.7 186
1310	Optical response features of Si-nanoparticle arrays. <i>Physical Review B</i> , 2010 , 82,	3.3 568
1309	From artificial atoms to nanocrystal molecules: preparation and properties of more complex nanostructures. 2010 , 61, 369-89	156
1308	Plasmonic light-harvesting devices over the whole visible spectrum. <i>Nano Letters</i> , 2010 , 10, 2574-9	11.5 311
1307	Collection and concentration of light by touching spheres: a transformation optics approach. 2010 , 105, 266807	80
1306	Interaction between plasmonic nanoparticles revisited with transformation optics. 2010 , 105, 233901	101
1305	Broadband nano-focusing of light using kissing nanowires. 2010 , 12, 093030	63
1304	Semianalytical theory of plasmon nanoruler. 2010 , 100, 875-881	3
1303	Plasmonic coupling in noble metal nanostructures. 2010 , 487, 153-164	688
1302	Plasmon hybridization for real metals. 2010 , 55, 2629-2634	12
1301	Chemical sensing based on the plasmonic response of nanoparticle aggregation: anion sensing in nanoparticles stabilized by amino-functional ionic liquid. 2010 , 5, 330-336	9
1300	Hybridization effect in coupled metamaterials. 2010 , 5, 277-290	10
1299	Aliphatic Diamines as Molecular Linkers for Engineering Ag Nanoparticle Clusters: Tuning of the Interparticle Distance and Sensing Application. <i>Plasmonics</i> , 2010 , 5, 273-286	2.4 17
1298	Properties and applications of colloidal nonspherical noble metal nanoparticles. <i>Advanced Materials</i> , 2010 , 22, 1805-25	24 809
1297	Kopplungseffekte in optischen Metamaterialien. 2010 , 122, 10034-10049	6

1296	Coupling effects in optical metamaterials. 2010 , 49, 9838-52		246
1295	Enhancement or quenching effect of metallic nanodimer on spontaneous emission. 2010 , 111, 454-465		40
1294	Control of the fluorescence features of a dipole emitter with coupled plasmonic modes. 2010 ,		
1293	Symmetric and antisymmetric resonances in a pair of metal-dielectric nanoshells: tunability and closed-form formulas. 2010 , 4, 041577		13
1292	SERS on periodic arrays of coupled quadrate-holes and squares. 2010 , 21, 195203		11
1291	Enhancement of optical emission and absorption by metal nanoparticles. 2010 ,		
1290	Buffering plasmons in nanoparticle waveguides at the virtual-localized transition. <i>Physical Review B</i> , 2010 , 82,	3.3	16
1289	A joint resource allocation scheme for multi-relay aided uplink multi-user OFDMA system. 2010 ,		3
1288	Defect-induced activation of symmetry forbidden infrared resonances in individual metallic nanorods. 2010 , 96, 213111		28
1287	Twinned Fano interferences induced by hybridized plasmons in AuAg nanorod heterodimers. 2010 , 96, 131113		55
1286	Mode-balancing far-field control of light localization in nanoantennas. <i>Physical Review B</i> , 2010 , 81,	3.3	18
1285	Optical manipulation of plasmonic nanoparticles, bubble formation and patterning of SERS aggregates. 2010 , 21, 105304		26
1284	Controlling the quantum yield of a dipole emitter with coupled plasmonic modes. <i>Physical Review B</i> , 2010 , 81,	3.3	31
1283	Immobilization of Gold Nanoparticles on Aluminum Oxide Nanoporous Structure for Highly Sensitive Plasmonic Sensing. 2010 , 49, 06GM02		6
1282	Lighting up multipolar surface plasmon polaritons by collective resonances in arrays of nanoantennas. 2010 , 105, 266801		153
1281	Optical spectroscopy of conductive junctions in plasmonic cavities. <i>Nano Letters</i> , 2010 , 10, 3090-5	11.5	187
1280	Symmetry breaking in gold-silica-gold multilayer nanoshells. <i>ACS Nano</i> , 2010 , 4, 1521-8	16.7	95
1279	Coupled nanoantenna plasmon resonance spectra from two-photon laser excitation. <i>Nano Letters</i> , 2010 , 10, 4161-5	11.5	38

1278	Simple model for the hybridization of surface plasmon resonances in metallic nanoparticles. <i>Nano Letters</i> , 2010 , 10, 2618-25	11.5	114
1277	The effects of retardation on plasmon hybridization within metallic nanostructures. 2010 , 12, 083062		27
1276	Plasmonics: an emerging field fostered by Nano Letters. <i>Nano Letters</i> , 2010 , 10, 3816-22	11.5	243
1275	Plasmonic nanoparticle dimers for optical sensing of DNA in complex media. 2010 , 132, 9600-1		169
1274	Influence of gold nanorod geometry on optical response. <i>ACS Nano</i> , 2010 , 4, 7667-75	16.7	36
1273	Heterodimers: plasmonic properties of mismatched nanoparticle pairs. <i>ACS Nano</i> , 2010 , 4, 819-32	16.7	375
1272	Nanopolaritons: vacuum Rabi splitting with a single quantum dot in the center of a dimer nanoantenna. <i>ACS Nano</i> , 2010 , 4, 6369-76	16.7	214
1271	Layer-by-layer assembly of three-dimensional colloidal supercrystals with tunable plasmonic properties. 2010 , 132, 11259-63		97
1270	Magnetic Plasmon Modes Introduced by the Coupling Effect in Metamaterials. 2010 , 247-269		2
1269	Fano-like interference in self-assembled plasmonic quadrumer clusters. <i>Nano Letters</i> , 2010 , 10, 4680-5	11.5	314
1268	Cavity plasmonics: large normal mode splitting of electric and magnetic particle plasmons induced by a photonic microcavity. <i>Nano Letters</i> , 2010 , 10, 4394-8	11.5	109
1267	Dual wavelength sensing based on interacting gold nanodisk trimers. 2010 , 21, 305501		26
1266	On the Far Field Optical Properties of Ag/Au Nanosphere Pairs. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 16278-16284	3.8	43
1265	Charge-selective Raman scattering and fluorescence quenching by "nanometal on semiconductor" substrates. <i>Nano Letters</i> , 2010 , 10, 3880-7	11.5	27
1264	Interactions of Nanorod Particles in the Strong Coupling Regime. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 21123-21131	3.8	31
1263	Plasmonic Nanoparticles and Nanowires: Design, Fabrication and Application in Sensing. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 7480-7488	3.8	92
1262	Silver Nanosphere SERS Probes for Sensitive Identification of Pathogens. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 16122-16128	3.8	119
1261	Bright and Dark Plasmon Modes in Three Nanocylinder Cluster. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 22398-22405	3.8	10

1260	Optically-driven collapse of a plasmonic nanogap self-monitored by optical frequency mixing. <i>Nano Letters</i> , 2010 , 10, 1522-8	11.5	14
1259	Adsorption of beta-adrenergic agonists used in sport doping on metal nanoparticles: a detection study based on surface-enhanced Raman scattering. 2010 , 26, 14663-70		55
1258	Gold nanoring trimers: a versatile structure for infrared sensing. <i>Optics Express</i> , 2010 , 18, 22271-82	3.3	36
1257	Enlarging the negative-index bandwidth of optical metamaterials by hybridized plasmon resonances. 2010 , 35, 4205-7		5
1256	Direct near-field optical imaging of plasmonic resonances in metal nanoparticle pairs. <i>Optics Express</i> , 2010 , 18, 165-72	3.3	56
1255	Plasmon hybridization in individual gold nanocrystal dimers: direct observation of bright and dark modes. <i>Nano Letters</i> , 2010 , 10, 632-7	11.5	147
1254	Calibration of Silver Plasmon Rulers in the 1-25 nm Separation Range: Experimental Indications of Distinct Plasmon Coupling Regimes. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 4901-4908	3.8	97
1253	Plasmon Coupling in Silver Nanosphere Pairs. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 3918-3923	3.8	90
1252	Plasmon resonant enhancement of carbon monoxide catalysis. <i>Nano Letters</i> , 2010 , 10, 1314-8	11.5	146
1251	Au nanoparticle arrays with tunable particle gaps by template-assisted electroless deposition for high performance surface-enhanced Raman scattering. 2010 , 21, 015604		60
1250	Sub-10 nm patterning of gold nanostructures on silicon-nitride membranes for plasmon mapping with electron energy-loss spectroscopy. 2010 , 28, C6O45-C6O49		33
1249	Bio-enabled synthesis of metamaterials. 2010 , 61, 323-44		30
1248	Transition from isolated to collective modes in plasmonic oligomers. <i>Nano Letters</i> , 2010 , 10, 2721-6	11.5	483
1247	Photonic Microresonator Research and Applications. 2010 ,		38
1246	Mode imaging and selection in strongly coupled nanoantennas. <i>Nano Letters</i> , 2010 , 10, 2105-10	11.5	115
1245	Broadband plasmonic device concentrating the energy at the nanoscale: The crescent-shaped cylinder. <i>Physical Review B</i> , 2010 , 82,	3.3	58
1244	Concave plasmonic particles: broad-band geometrical tunability in the near-infrared. <i>Nano Letters</i> , 2010 , 10, 1405-8	11.5	42
1243	Angle- and energy-resolved plasmon coupling in gold nanorod dimers. <i>ACS Nano</i> , 2010 , 4, 3053-62	16.7	144

1242	Amplitude- and Phase-Resolved Near-Field Mapping of Infrared Antenna Modes by Transmission-Mode Scattering-Type Near-Field Microscopy <i>Journal of Physical Chemistry C</i> , 2010 , 114, 7341-7345	3.8	75
1241	Analysis of the impact of particle separation in a plasmonic spherical dimer on the resonance wavelength. 2010 ,		
1240	Understanding the impact of particle separation in a plasmonic dimer on the resonance wavelength. 2010 ,		
1239	Laser pulse induced transient currents through a single molecule. 2011 , 13, 8755-68		23
1238	Spectroscopic ultra-trace detection of nitroaromatic gas vapor on rationally designed two-dimensional nanoparticle cluster arrays. 2011 , 83, 2243-9		74
1237	Gold nanoparticle dimers for plasmon sensing. 2011 , 27, 7884-91		62
1236	Field enhancement by spherical dimers in the quasistatic regime. 2011 ,		
1235	Characterizing Plasmons in Nanoparticles and Their Assemblies with Single Particle Spectroscopy. 2011 , 2, 2015-2023		70
1234	Excitation and tuning of higher-order Fano resonances in plasmonic oligomer clusters. <i>ACS Nano</i> , 2011 , 5, 8202-11	16.7	121
1233	Metal nanoparticle ensembles: tunable laser pulses distinguish monomer from dimer vibrations. <i>Nano Letters</i> , 2011 , 11, 3685-9	11.5	25
1232	Plasmonic Spheroidal Metal Nanoshells Showing Larger Tunability and Stronger Near Fields Than Their Spherical Counterparts: An Effect of Enhanced Plasmon Coupling. 2011 , 2, 374-378		19
1231	Hot-spot engineering in polygonal nanofinger assemblies for surface enhanced Raman spectroscopy. <i>Nano Letters</i> , 2011 , 11, 2538-42	11.5	165
1230	Influence of plasmon destructive interferences on optical properties of gold planar quadrumers. 2011 , 22, 245204		41
1229	Thin wire shortening of plasmonic nanoparticle dimers: the reason for red shifts. <i>Nano Letters</i> , 2011 , 11, 2079-82	11.5	16
1228	Anisotropic Plasmonic Sensing of Individual or Coupled Gold Nanorods. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 22877-22885	3.8	31
1227	Optical characterization of charge transfer and bonding dimer plasmons in linked interparticle gaps. 2011 , 13, 083013		43
1226	DNA-enabled self-assembly of plasmonic nanoclusters. <i>Nano Letters</i> , 2011 , 11, 4859-64	11.5	128
1225	Surface Plasmon Resonance of a Few Particles Linear Arrays. 2011 , 03, 458-464		2

1224	Optical properties of metallic nanoparticles: manipulating light, heat and forces at the nanoscale. 2011 , 3, 4042-59		181
1223	Enhanced Fano Resonance in Asymmetrical Au:Ag Heterodimers. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 6410-6414	3.8	75
1222	Strawberry Silver/SiO ₂ Structure: Synthesis and Its Optical Resonances. 2011 ,		
1221	Trimeric plasmonic molecules: the role of symmetry. <i>Nano Letters</i> , 2011 , 11, 2440-5	11.5	144
1220	Effect of Symmetry Breaking on the Mode Structure of Trimeric Plasmonic Molecules. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 19488-19495	3.8	50
1219	Plasmonic nanoantennas: fundamentals and their use in controlling the radiative properties of nanoemitters. 2011 , 111, 3888-912		1015
1218	Trace detection of aminoglutethimide drug by surface-enhanced Raman spectroscopy: a vibrational and adsorption study on gold nanoparticles. 2011 , 3, 1540		22
1217	Far-field optical imaging of a linear array of coupled gold nanocubes: direct visualization of dark plasmon propagating modes. <i>ACS Nano</i> , 2011 , 5, 8223-9	16.7	47
1216	Plasmonic oligomers: the role of individual particles in collective behavior. <i>ACS Nano</i> , 2011 , 5, 2042-50	16.7	238
1215	Controlled localized surface plasmon resonance wavelength for conductive nanoparticles over the ultraviolet to near-infrared region. 2011 , 21, 10238		33
1214	Surface plasmon resonances in strongly coupled gold nanosphere chains from monomer to hexamer. <i>Nano Letters</i> , 2011 , 11, 4180-7	11.5	185
1213	Tunable Resonance Absorption of Light in a Chain of Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 8911-8917	3.8	6
1212	Computational Multiscattering of Spherical Multilayered Gold Nanoshells. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 5323-5333	3.8	14
1211	Plasmons in strongly coupled metallic nanostructures. 2011 , 111, 3913-61		2348
1210	Plasmon hybridization reveals the interaction between individual colloidal gold nanoparticles confined in an optical potential well. <i>Nano Letters</i> , 2011 , 11, 4505-8	11.5	40
1209	Metallic dimers: When bonding transverse modes shine light. <i>Physical Review B</i> , 2011 , 84,	3.3	14
1208	Controlled formation of gold nanoparticle dimers using multivalent thiol ligands. 2011 , 27, 15165-75		39
1207	Quantum plexcitonics: strongly interacting plasmons and excitons. <i>Nano Letters</i> , 2011 , 11, 2318-23	11.5	313

1206	Illuminating epidermal growth factor receptor densities on filopodia through plasmon coupling. <i>ACS Nano</i> , 2011 , 5, 6619-28	16.7	58
1205	Universal scaling and Fano resonance in the plasmon coupling between gold nanorods. <i>ACS Nano</i> , 2011 , 5, 5976-86	16.7	106
1204	Palladium-based plasmonic perfect absorber in the visible wavelength range and its application to hydrogen sensing. <i>Nano Letters</i> , 2011 , 11, 4366-9	11.5	322
1203	Plasmonic interaction between overlapping nanowires. <i>ACS Nano</i> , 2011 , 5, 597-607	16.7	47
1202	Plasmonic hybridization between nanowires and a metallic surface: a transformation optics approach. <i>ACS Nano</i> , 2011 , 5, 3293-308	16.7	78
1201	Effects of symmetry breaking on plasmon resonance in a noncoaxial nanotube and nanotube dimer. 2011 , 28, 1662-7		8
1200	Physics of Electron Scattering. 2011 , 111-229		9
1199	Plasmon coupling in silver nanocube dimers: resonance splitting induced by edge rounding. <i>ACS Nano</i> , 2011 , 5, 9450-62	16.7	120
1198	Combined plasmonic gratings in organic solar cells. <i>Optics Express</i> , 2011 , 19 Suppl 6, A1202-10	3.3	58
1197	Plasmonic properties of gold ring-disk nano-resonators: fine shape details matter. <i>Optics Express</i> , 2011 , 19, 5587-95	3.3	32
1196	Dark and bright localized surface plasmons in nanocrosses. <i>Optics Express</i> , 2011 , 19, 11034-51	3.3	52
1195	Longitudinal and transverse coupling in infrared gold nanoantenna arrays: long range versus short range interaction regimes. <i>Optics Express</i> , 2011 , 19, 15047-61	3.3	85
1194	Plasmon-enhanced depolarization of reflected light from arrays of nanoparticle dimers. <i>Optics Express</i> , 2011 , 19, 21081-90	3.3	15
1193	Coupling strength of complex plasmonic structures in the multiple dipole approximation. <i>Optics Express</i> , 2011 , 19, 22156-66	3.3	13
1192	Adaptive on-chip control of nano-optical fields with optoplasmonic vortex nanogates. <i>Optics Express</i> , 2011 , 19, 22305-15	3.3	34
1191	Coupling of Plasmon Resonances in Tunable Layered Arrays of Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 8955-8960	3.8	51
1190	Design and Implementation of Noble Metal Nanoparticle Cluster Arrays for Plasmon Enhanced Biosensing. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 24437-24453	3.8	81
1189	Directional double Fano resonances in plasmonic hetero-oligomers. <i>Nano Letters</i> , 2011 , 11, 3694-700	11.5	132

1188	Self-assembled plasmonic core-shell clusters with an isotropic magnetic dipole response in the visible range. <i>ACS Nano</i> , 2011 , 5, 6586-92	16.7	96
1187	Selective optical trapping based on strong plasmonic coupling between gold nanorods and slab. 2011 , 98, 083117		13
1186	Fingers Crossed: Optical Activity of a Chiral Dimer of Plasmonic Nanorods. 2011 , 2, 846-51		174
1185	Near Field Enhancement in Ag Au Nanospheres Heterodimers. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 15908-15914	3.8	38
1184	Coupling of nanoparticle plasmons with molecular linkers. 2011 ,		3
1183	Plasmon-plasmon coupling in nested fullerenes: photoexcitation of interlayer plasmonic cross modes. 2011 , 44, 241002		9
1182	Building plasmonic nanostructures with DNA. 2011 , 6, 268-76		673
1181	Plasmon Enhancement of Luminescence by Metal Nanoparticles. 2011 , 17, 110-118		31
1180	Optical properties of a plasmonic nano-antenna: an analytical approach. 2011 , 13, 053034		25
1179	Collective plasmon modes in a compositionally asymmetric nanoparticle dimer. 2011 , 1, 032134		44
1178	Multimodal plasmon coupling in low symmetry gold nanoparticle pairs detected in surface-enhanced Raman scattering. 2011 , 98, 183115		24
1177	From near-field to far-field coupling in the third dimension: retarded interaction of particle plasmons. <i>Nano Letters</i> , 2011 , 11, 4421-4	11.5	53
1176	Plasmon hybridization and strong near-field enhancements in opposing nanocrescent dimers with tunable resonances. 2011 , 3, 4788-97		38
1175	Coupled-mode theory of field enhancement in complex metal nanostructures. <i>Physical Review B</i> , 2011 , 84,	3.3	26
1174	Controlling the synthesis and assembly of silver nanostructures for plasmonic applications. 2011 , 111, 3669-712		2056
1173	Subwavelength control of electromagnetic field confinement in self-similar chains of magnetoplasmonic core-shell nanostructures. 2011 , 84, 026612		8
1172	Resonances on-demand for plasmonic nano-particles. <i>Nano Letters</i> , 2011 , 11, 2329-33	11.5	62
1171	Nonlinear photonics with metallic nanostructures on top of dielectrics and waveguides. 2011 , 105, 51-65		10

1170	From individual to collective chirality in metal nanoparticles. 2011 , 6, 381-400		245
1169	Surface Plasmon Resonances of Clustered Nanoparticles. <i>Plasmonics</i> , 2011 , 6, 407-412	2.4	11
1168	Individual Ag Nanowire Dimer for Surface-Enhanced Raman Scattering. <i>Plasmonics</i> , 2011 , 6, 761-766	2.4	12
1167	Optical detection of protein in complex media with plasmonic nanoparticle dimers. 2011 , 7, 1993-7		37
1166	Plasmonic coupling interference (PCI) nanoprobe for nucleic acid detection. 2011 , 7, 3067-74		31
1165	SERS enhancement of gold nanospheres of defined size. 2011 , 42, 1736-1742		119
1164	Wafer-Scale Fabrication of Ordered Binary Colloidal Monolayers with Adjustable Stoichiometries. 2011 , 21, 3064-3073		132
1163	Photochemical reaction fields with strong coupling between a photon and a molecule. 2011 , 221, 130-137		17
1162	Strong plasmon coupling between two gold nanospheres on a gold slab. 2011 , 13, 073040		27
1161	Quantum mechanical study of the coupling of plasmon excitations to atomic-scale electron transport. <i>Journal of Chemical Physics</i> , 2011 , 134, 074701	3.9	80
1160	A copper negative index metamaterial in the visible/near-infrared. 2011 , 99, 161108		10
1159	Theory of optical emission enhancement by coupled metal nanoparticles: An analytical approach. 2011 , 98, 113116		16
1158	Electromagnetic contribution to surface-enhanced Raman scattering from rough metal surfaces: A transformation optics approach. <i>Physical Review B</i> , 2011 , 83,	3.3	38
1157	Plasmonic coupling of SiO ₂ /Ag post-cap nanostructures and silver film for surface enhanced Raman scattering. 2011 , 98, 153103		32
1156	Vibron and phonon hybridization in dielectric nanostructures. 2011 , 108, 5532-6		15
1155	The Stuttgart Center for Electron Microscopy at the Max Planck Institute for Metals Research. 2011 , 102, 815-827		
1154	Near-field: a finite-difference time-dependent method for simulation of electrodynamics on small scales. <i>Journal of Chemical Physics</i> , 2011 , 135, 084121	3.9	24
1153	On The Phase Of The Electric Field In Optical Antennas. 2011 ,		

1152	Plasmon hybridization in parallel nano-wire systems. 2011 , 18, 064508		10
1151	Periodic plasmonic nanoantennas in a piecewise homogeneous background. <i>Optics Express</i> , 2012 , 20, 18044-65	3-3	21
1150	Palladium bridged gold nanocylinder dimer: plasmonic properties and hydrogen sensitivity. 2012 , 51, 1688-93		15
1149	Near-field properties of a shell nanocylinder pair with gain materials. 2012 , 21, 117302		
1148	Nanostructures for surface plasmons. 2012 , 4, 157		79
1147	Localized surface plasmon modes in a system of two interacting metallic cylinders. 2012 , 29, 1263		9
1146	Fano-like resonance in symmetry-broken gold nanotube dimer. <i>Optics Express</i> , 2012 , 20, 26559-67	3-3	22
1145	Decay rates modification through coupling of degenerate surface plasmon modes. 2012 , 37, 2736-8		3
1144	Diffractive chains of plasmonic nanolenses: combining near-field focusing and collective enhancement mechanisms. 2012 , 37, 4624-6		8
1143	Three types of couplings between asymmetric plasmonic dimers. <i>Optics Express</i> , 2012 , 20, 2887-94	3-3	4
1142	Power transfer between neighboring planar waveguides. <i>Optics Express</i> , 2012 , 20, 3152-7	3-3	2
1141	Effective permittivity for resonant plasmonic nanoparticle systems via dressed polarizability. <i>Optics Express</i> , 2012 , 20, 16480	3-3	23
1140	Plasmonic mode converter for controlling optical impedance and nanoscale light-matter interaction. <i>Optics Express</i> , 2012 , 20, 20342-55	3-3	13
1139	Broadband spontaneous emission rate enhancement through the design of plasmonic nanoantennas. 2012 , 2, 566		3
1138	Non-exponential decay of dark localized surface plasmons. <i>Optics Express</i> , 2012 , 20, 6720-7	3-3	13
1137	A combination of concave/convex surfaces for field-enhancement optimization: the indented nanocone. <i>Optics Express</i> , 2012 , 20, 25201-12	3-3	9
1136	Influence of symmetry breaking in a planar metamaterial on transparency effect and sensing application. 2012 , 51, 7794-9		21
1135	Cascaded plasmonic metamaterials for phase-controlled enhancement of nonlinear absorption and refraction. <i>Physical Review B</i> , 2012 , 85,	3-3	16

1134	Quantum mechanical study of plasmonic coupling in sodium nanoring dimers. 2012 , 101, 061906		8
1133	Plasmon resonances and electron transport in linear sodium atomic chains. <i>Journal of Applied Physics</i> , 2012 , 112, 053707	2.5	5
1132	Plasmon hybridization for enhanced nonlinear optical response. <i>Optics Express</i> , 2012 , 20, 29923-30	3.3	12
1131	PLASMONIC PROPERTIES OF DIELECTRIC-CORE PLASMONIC-SHELL NANOCYLINDERS IN PASCAL TRIANGLE. 2012 , 11, 1250017		2
1130	Taking cascaded plasmonic field enhancement to the ultimate limit in silver nanoparticle dimers. 2012 ,		1
1129	Cooperative effects of two optical dipole antennas coupled to plasmonic Fabry-Pérot cavity. 2012 , 4, 5308-11		9
1128	Voltage controlled nanoparticle plasmon resonance tuning through anodization. 2012 ,		
1127	- Location and Biomarker Characterization of Circulating Tumor Cells. 2012 , 282-299		
1126	Ag@SiO ₂ Core-Shell Nanostructures: Distance-Dependent Plasmon Coupling and SERS Investigation. 2012 , 3, 1459-64		147
1125	Probing local electromagnetic field enhancements on the surface of plasmonic nanoparticles. 2012 , 87, 209-220		13
1124	Self-assembly of noble metal nanocrystals: Fabrication, optical property, and application. 2012 , 7, 564-585		178
1123	Revealing the quantum regime in tunnelling plasmonics. 2012 , 491, 574-7		788
1122	Nano-plasmonic antennas in the near infrared regime. 2012 , 24, 073202		43
1121	How chain plasmons govern the optical response in strongly interacting self-assembled metallic clusters of nanoparticles. 2012 , 28, 8881-90		68
1120	Molding the flow of light on the nanoscale: from vortex nanogears to phase-operated plasmonic machinery. 2012 , 4, 76-90		53
1119	Band-selective coupling-induced enhancement of two-photon photoluminescence in gold nanocubes and its application as turn-on fluorescent probes for cysteine and glutathione. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 5711-6	9.5	49
1118	The surface plasmon modes of self-assembled gold nanocrystals. 2012 , 3, 1275		144
1117	Quantum optical response of metallic nanoparticles and dimers. 2012 , 37, 5015-7		12

1116	High electric field enhancement near electron-doped semiconductor nanoribbons. 2012 , 546, 99-105		
1115	Designing and fabricating of surface-enhanced Raman scattering substrate with high density hot spots by polyaniline template-assisted self-assembly. 2012 , 4, 6449-54		41
1114	Fano-Like Resonances in Asymmetric Homodimer of Gold Elliptical Nanowires. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 13745-13748	3.8	19
1113	Analysis of metallic nanoparticle-DNA assembly formation in bulk solution via localized surface plasmon resonance shift. 2012 , 2, 5154		8
1112	Plasmon-Enhanced Single-Molecule Electroluminescence: A Computational Study. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 25962-25968	3.8	15
1111	Magnetic dipolar interactions in solid gold nanosphere dimers. 2012 , 134, 4477-80		28
1110	Fano resonant ring/disk plasmonic nanocavities on conducting substrates for advanced biosensing. <i>ACS Nano</i> , 2012 , 6, 9989-95	16.7	240
1109	Infrared optical properties of nanoantenna dimers with photochemically narrowed gaps in the 5 nm regime. <i>ACS Nano</i> , 2012 , 6, 7326-32	16.7	58
1108	Scavenger receptor mediated endocytosis of silver nanoparticles into J774A.1 macrophages is heterogeneous. <i>ACS Nano</i> , 2012 , 6, 7122-32	16.7	96
1107	Radiation Damping of Surface Plasmons in a Pair of Nanoparticles and in Nanoparticles near Interfaces. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 16800-16805	3.8	4
1106	Plasmon Resonance of Isolated Gold Hollow Nanoparticles and Nanoparticle Pairs: Insights from Electronic Structure Calculations. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 1755-1763	3.8	9
1105	Surface-enhanced Raman trajectories on a nano-dumbbell: transition from field to charge transfer plasmons as the spheres fuse. <i>ACS Nano</i> , 2012 , 6, 10343-54	16.7	112
1104	Organization of Metal Nanoparticles for Surface-Enhanced Spectroscopy: A Difference in Size Matters. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 21982-21991	3.8	26
1103	Extraordinary nonlinear absorption in 3D bowtie nanoantennas. <i>Nano Letters</i> , 2012 , 12, 269-74	11.5	46
1102	The theory of surface-enhanced Raman scattering. <i>Journal of Chemical Physics</i> , 2012 , 136, 144704	3.9	92
1101	Plasmon spectroscopy and imaging of individual gold nanodecahedra: a combined optical microscopy, cathodoluminescence, and electron energy-loss spectroscopy study. <i>Nano Letters</i> , 2012 , 12, 4172-80	11.5	120
1100	Tuning and maximizing the single-molecule surface-enhanced Raman scattering from DNA-tethered nanodumbbells. <i>ACS Nano</i> , 2012 , 6, 9574-84	16.7	122
1099	Graphene plasmon waveguiding and hybridization in individual and paired nanoribbons. <i>ACS Nano</i> , 2012 , 6, 431-40	16.7	564

1098	Nanoparticle cluster arrays for high-performance SERS through directed self-assembly on flat substrates and on optical fibers. <i>ACS Nano</i> , 2012 , 6, 2056-70	16.7	212
1097	Metamaterials with tailored nonlinear optical response. <i>Nano Letters</i> , 2012 , 12, 673-7	11.5	125
1096	Plasmonics and single-molecule detection in evaporated silver-island films. 2012 , 524, 697-704		12
1095	Localized Surface Plasmons of Multifaceted Metal Nanoparticles. 2012 , 361-393		3
1094	Propagating anti-symmetrically coupled plasmons generation by electron beams. 2012 , 285, 4608-4611		
1093	Electromagnetic field enhancement and spectrum shaping through plasmonically integrated optical vortices. <i>Nano Letters</i> , 2012 , 12, 219-27	11.5	33
1092	Plasmonic mode engineering with templated self-assembled nanoclusters. <i>Nano Letters</i> , 2012 , 12, 5318-24.5	11.5	97
1091	Surface-Enhanced Raman Scattering from Individual Au Nanoparticles on Au Films. <i>Plasmonics</i> , 2012 , 7, 475-478	2.4	19
1090	Dark modes and Fano resonances in plasmonic clusters excited by cylindrical vector beams. <i>ACS Nano</i> , 2012 , 6, 8415-23	16.7	86
1089	Distinct plasmonic manifestation on gold nanorods induced by the spatial perturbation of small gold nanospheres. <i>Nano Letters</i> , 2012 , 12, 1424-30	11.5	95
1088	Plasmonic-enhanced molecular fluorescence within isolated bowtie nano-apertures. <i>ACS Nano</i> , 2012 , 6, 1438-48	16.7	70
1087	Interference, coupling, and nonlinear control of high-order modes in single asymmetric nanoantennas. <i>ACS Nano</i> , 2012 , 6, 6462-70	16.7	37
1086	Photoinduced switching of the current through a single molecule: effects of surface plasmon excitations of the leads. <i>Nano Letters</i> , 2012 , 12, 446-52	11.5	43
1085	Electromagnetic Interactions with Solids. 2012 , 181-237		
1084	References. 387-445		
1083	Digital Heterodyne Holography Reveals the Non-Quasi-Static Scattering Behaviour of Transversally Coupled Nanodisk Pairs. 2012 , 2012, 1-8		2
1082	Nanoplasmonics with colloidal quantum dots. 185-202		3
1081	High-yield assembly of soluble and stable gold nanorod pairs for high-temperature plasmonics. 2012 , 8, 1013-20		53

1080	Plasmonic coupling in gold nanoring dimers: observation of coupled bonding mode. <i>Nano Letters</i> , 2012 , 12, 1648-54	11.5	140
1079	Magneto-optical enhancement by plasmon excitations in nanoparticle/metal structures. 2012 , 28, 9010-20		21
1078	Developments in and practical guidelines for tip-enhanced Raman spectroscopy. 2012 , 4, 1856-70		148
1077	Compensation of Coulomb blocking and energy transfer in the current voltage characteristic of molecular conduction junctions. <i>Nano Letters</i> , 2012 , 12, 2228-32	11.5	23
1076	Light-controlled plasmon switching using hybrid metal-semiconductor nanostructures. <i>Nano Letters</i> , 2012 , 12, 2690-6	11.5	17
1075	Nanoantennas for visible and infrared radiation. 2012 , 75, 024402		599
1074	A plethora of plasmonics from the laboratory for nanophotonics at Rice University. <i>Advanced Materials</i> , 2012 , 24, 4842-77, 4774	24	76
1073	Localized Surface Plasmons: Basics and Applications in Field-Enhanced Spectroscopy. 2012 , 151-176		7
1072	Bottom-up assembly of colloidal gold and silver nanostructures for designable plasmonic structures and metamaterials. 2012 , 28, 8902-8		30
1071	Transformation optics description of touching metal nanospheres. <i>Physical Review B</i> , 2012 , 85,	3.3	11
1070	Synthesis of Peptide Mediated Au Core-Ag Shell Nanoparticles as Surface-Enhanced Raman Scattering Labels. <i>Plasmonics</i> , 2012 , 7, 77-86	2.4	19
1069	Microcavity plasmonics: strong coupling of photonic cavities and plasmons. 2013 , 7, 141-169		101
1068	Plasmonically nanoconfined light probing invisible phonon modes in defect-free graphene. 2013 , 135, 11489-92		25
1067	Multipole Analysis of Self-assembled Metamaterials. 2013 , 89-117		2
1066	Amorphous Nanophotonics. 2013 ,		17
1065	Unidirectional side scattering of light by a single-element nanoantenna. <i>Nano Letters</i> , 2013 , 13, 3843-9	11.5	117
1064	Plasmon Hybridization and Field Confinement in Multilayer Metal-Dielectric Nanocups. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 15782-15789	3.8	14
1063	Long-wavelength optical properties of a plasmonic crystal composed of end-to-end nanorod dimers. 2013 , 3, 062122		

1062	Maximal Raman optical activity in hybrid single molecule-plasmonic nanostructures with multiple dipolar resonances. <i>Nano Letters</i> , 2013 , 13, 1285-90	11.5	39
1061	Tunable assembly of gold nanoparticles on nanopatterned poly(ethylene glycol) brushes. 2013 , 9, 4168-74		27
1060	Capturing photons with transformation optics. 2013 , 9, 518-522		77
1059	Linking Ag Nanoparticles by Aliphatic β -Dithiols: A Study of the Aggregation and Formation of Interparticle Hot Spots. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 16203-16212	3.8	19
1058	Enhanced second harmonic generation by photonic-plasmonic Fano-type coupling in nanoplasmonic arrays. <i>Nano Letters</i> , 2013 , 13, 3111-7	11.5	115
1057	Nanogap structures: combining enhanced Raman spectroscopy and electronic transport. 2013 , 15, 5262-75		60
1056	Hybrid Au@Fe ₃ O ₄ Nanoparticles: Plasmonic, Surface Enhanced Raman Scattering, and Phase Transition Properties. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 16166-16174	3.8	52
1055	Coexistence of classical and quantum plasmonics in large plasmonic structures with subnanometer gaps. 2013 , 103, 083103		32
1054	Optical Properties of Silver-Coated Silicon Nanowires: Morphological and Plasmonic Excitations. <i>Plasmonics</i> , 2013 , 8, 1417-1428	2.4	7
1053	A Kirchhoff solution to plasmon hybridization. 2013 , 113, 519-525		4
1052	Plasmonic coupling from silver nanoparticle dimer array mediating surface plasmon resonant enhancement on the thin silver film. 2013 , 113, 503-509		4
1051	Surface modes in metal-insulator composites with strong interaction of metal particles. 2013 , 111, 577-588		4
1050	Surface Plasmon Coupling of Compositionally Heterogeneous Core-Satellite Nanoassemblies. 2013 , 4, 1371-8		56
1049	Optical activity in single-molecule surface-enhanced Raman scattering: Role of symmetry. 2013 , 38, 642-647		20
1048	Plasmonic materials for energy: From physics to applications. <i>Materials Today</i> , 2013 , 16, 375-386	21.8	242
1047	Cluster Size Effects in the Surface-Enhanced Raman Scattering Response of Ag and Au Nanoparticle Aggregates: Experimental and Theoretical Insight. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 23090-23107	3.8	64
1046	Quasi-analytic study of scattering from optical plasmonic patch antennas. <i>Journal of Applied Physics</i> , 2013 , 114, 163108	2.5	30
1045	Plasmon hybridization model generalized to conductively bridged nanoparticle dimers. <i>Journal of Chemical Physics</i> , 2013 , 139, 064310	3.9	26

1044	Nonlinear properties of nanoscale antennas. 2013 , 8, 469-479		33
1043	Coupled magnetic resonator optical waveguides. 2013 , 7, 882-900		10
1042	Localized surface plasmon resonance: a unique property of plasmonic nanoparticles for nucleic acid detection. 2013 , 5, 12043-71		105
1041	Revisiting the physics of Fano resonances for nanoparticle oligomers. 2013 , 88,		109
1040	Stabilization of metal nanoparticle films on glass surfaces using ultrathin silica coating. 2013 , 85, 10022-7		19
1039	High performance plasmonic random laser based on nanogaps in bimetallic porous nanowires. 2013 , 103, 023504		32
1038	Near-field spatial mapping of strongly interacting multiple plasmonic infrared antennas. 2013 , 15, 18944-50		23
1037	Plasmonic Coupling in Three-Dimensional Au Nanoparticle Assemblies Fabricated by Anodic Aluminum Oxide Templates. 2013 , 2013, 1-6		2
1036	Plasmonic Ruler With Angstrom Distance Resolution Based on Double Metal Blocks. 2013 , 25, 1619-1622		10
1035	Highly selective recognition and ultrasensitive quantification of enantiomers. 2013 , 1, 4478-4483		46
1034	Plasmon Resonances and Their Quality Factors in a Finite Linear Chain of Coupled Metal Wires. 2013 , 19, 4602207-4602207		6
1033	Plasmonic nanoparticle networks formed using iron porphyrin molecular bridges. 2013 , 15, 11840-5		7
1032	Plasmonic Devices for Fast Optoelectronics and Enhanced Raman Sensors. 2013 , 1-40		1
1031	Plasmon hybridization in stacked nanorods dimer. 2013 , 311, 20-25		3
1030	Efficient modal-expansion discrete-dipole approximation: Application to the simulation of optical extinction and electron energy-loss spectroscopies. <i>Physical Review B</i> , 2013 , 88,	3-3	8
1029	Dimeric gold nanoparticle assemblies as tags for SERS-based cancer detection. 2013 , 2, 1370-6		76
1028	Interpreting chiral nanophotonic spectra: the plasmonic Born-Kuhn model. <i>Nano Letters</i> , 2013 , 13, 6238-43,5		253
1027	Universal scaling of plasmon coupling in metal nanostructures: Checking the validity for higher plasmonic modes using second harmonic generation. <i>Physical Review B</i> , 2013 , 87,	3-3	7

1026	Enhanced optical absorption and electric field resonance in diabolical metal bar optical antennas. <i>Optics Express</i> , 2013 , 21, 32491-500	3.3	18
1025	Engineering the broadband spectrum of close-packed plasmonic honeycomb array surfaces. 2013 , 120, 70-80		11
1024	Plasmon resonances in nanoparticle system consisting of different materials. 2013 , 295, 235-238		2
1023	Optical Properties of a Particle above a Dielectric Interface: Cross Sections, Benchmark Calculations, and Analysis of the Intrinsic Substrate Effects. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 6383-6398	3.8	38
1022	Surface plasmon coupling in end-to-end linked gold nanorod dimers and trimers. 2013 , 15, 4258-64		61
1021	Probing the Structure-Property Interplay of Plasmonic Nanoparticle Transducers Using Femtosecond Laser Spectroscopy. 2013 , 4, 1109-19		9
1020	Can Surface Plasmon Fields Provide a New Way to Photosensitize Organic Photoreactions? From Designer Nanoparticles to Custom Applications. 2013 , 4, 1177-87		66
1019	DNA-directed gold nanodimers with tunable sizes and interparticle distances and their surface plasmonic properties. 2013 , 9, 2308-15		48
1018	Geometrically Tunable Optical Properties of Metal Nanoparticles. 2013 , 1-74		2
1017	Modeling and Optical Characterization of the Localized Surface Plasmon Resonances of Tailored Metal Nanoparticles. 2013 , 231-285		3
1016	A Broadband Negative Index Metamaterial at Optical Frequencies. <i>Advanced Optical Materials</i> , 2013 , 1, 327-333	8.1	40
1015	Linear and nonlinear optical characterization of aluminum nanoantennas. <i>Nano Letters</i> , 2013 , 13, 1535-40	1.5	32
1014	A Review of Surface Plasmon Resonance-Enhanced Photocatalysis. 2013 , 23, 1612-1619		1069
1013	Spectral properties and electromagnetic field enhancement effects on nano-engineered metallic nanoparticles. 2013 , 15, 4093-9		24
1012	Plasmon enhanced spectroscopy. 2013 , 15, 5355-63		97
1011	Optical response of individual Au-Ag@SiO ₂ heterodimers. <i>ACS Nano</i> , 2013 , 7, 2522-31	16.7	77
1010	Optical nanoantennas for multiband surface-enhanced infrared and Raman spectroscopy. <i>ACS Nano</i> , 2013 , 7, 3522-31	16.7	173
1009	Large-scale gold nanoparticle superlattice and its SERS properties for the quantitative detection of toxic carbaryl. 2013 , 5, 5274-8		32

1008	A self-organized anisotropic liquid-crystal plasmonic metamaterial. <i>Advanced Materials</i> , 2013 , 25, 1999-2004	44
1007	Immunoassays based on surface-enhanced fluorescence using gap-plasmon-tunable Ag bilayer nanoparticle films. 2013 , 23, 71-7	14
1006	Huge enhancement in two-photon photoluminescence of Au nanoparticle clusters revealed by single-particle spectroscopy. 2013 , 135, 7272-7	88
1005	Self-assembled plasmonic metamaterials. 2013 , 2, 211-240	38
1004	Optical field enhancement by strong plasmon interaction in graphene nanostructures. 2013 , 110, 187401	75
1003	Surface plasmon-enhanced photochemical reactions. 2013 , 15, 31-52	155
1002	Structure enhancement factor relationships in single gold nanoantennas by surface-enhanced Raman excitation spectroscopy. 2013 , 135, 301-8	264
1001	Directing cluster formation of Au nanoparticles from colloidal solution. 2013 , 29, 4242-51	21
1000	Aligned Linear Arrays of Crystalline Nanoparticles. 2013 , 4, 1994-2001	16
999	Chromophores arranged as "magnetic meta atoms": building blocks for molecular metamaterials. 2013 , 78, 5889-97	5
998	Plasmonic amplifiers: engineering giant light enhancements by tuning resonances in multiscale plasmonic nanostructures. 2013 , 9, 1939-46	15
997	Transformation Optics for Plasmonics. 2013 , 105-152	4
996	Optical properties of strongly interacting supported silver nanocube monolayers. 2013 ,	1
995	Quantum junction plasmons in graphene dimers. 2013 , 7, 297-302	14
994	DNA-directed self-assembly and optical properties of discrete 1D, 2D and 3D plasmonic structures. 2013 , 8, 138-167	103
993	Theoretical Studies of Plasmonic Effects in Organic Solar Cells. 2013 , 177-210	
992	Enhancing molecule fluorescence with asymmetrical plasmonic antennas. 2013 , 5, 6545-51	20
991	Sensitive Detection of Silver Ions Based on Chiroplasmonic Assemblies of Nanoparticles. <i>Advanced Optical Materials</i> , 2013 , 1, 626-630	8.1 52

990	Onset of bonding plasmon hybridization preceded by gap modes in dielectric splitting of metal disks. <i>Nano Letters</i> , 2013 , 13, 6033-9	11.5	25
989	Single-molecule and single-particle-based correlation studies between localized surface plasmons of dimeric nanostructures with ~1 nm gap and surface-enhanced Raman scattering. <i>Nano Letters</i> , 2013 , 13, 6113-21	11.5	68
988	Silver Nanoprisms Acting as Multipolar Nanoantennas under a Low-Intensity Infrared Optical Field Exciting Fluorescence from Eu ³⁺ . 2013 , 4, 3834-3838		12
987	Nano-analysis of DNA conformation changes induced by transcription factor complex binding using plasmonic nanodimers. <i>ACS Nano</i> , 2013 , 7, 10733-40	16.7	16
986	Nanodentures and Mechanical Electrodynamics: Three-Dimensional Relative Orientation of Plasmonic Nanoarches from Absorption Spectra. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 9381-9385	3.8	1
985	Electromagnetic dipole coupling mechanism in layered terahertz metamaterials. <i>Optics Express</i> , 2013 , 21, 16975-9	3.3	4
984	Substrate-mediated charge transfer plasmons in simple and complex nanoparticle clusters. 2013 , 5, 9897-901		42
983	Plasmon Hybridization and Dipolar Interaction on the Resonances of Helix Metamaterials. 2013 , 5, 2700510-2700510		
982	Excitation of confined modes on particle arrays. <i>Optics Express</i> , 2013 , 21, 5636-42	3.3	11
981	A plasmon ruler based on nanoscale photothermal effect. <i>Optics Express</i> , 2013 , 21, 172-81	3.3	56
980	Linewidth enhancement in spasers and plasmonic nanolasers. <i>Optics Express</i> , 2013 , 21, 2147-53	3.3	14
979	Schottky-contact plasmonic dipole rectenna concept for biosensing. <i>Optics Express</i> , 2013 , 21, 4328-47	3.3	23
978	Optical transport and sensing in plexcitonic nanocavities. <i>Optics Express</i> , 2013 , 21, 15847-58	3.3	22
977	The ratio of the kinetic inductance to the geometric inductance: a key parameter for the frequency tuning of the THz semiconductor split-ring resonator. <i>Optics Express</i> , 2013 , 21, 20363-75	3.3	7
976	Strong optical interaction of two adjacent rectangular nanoholes in a gold film. <i>Optics Express</i> , 2013 , 21, 31769-81	3.3	9
975	Optimization of nonlinear optical localization using electromagnetic surface fields (NOLES) imaging. <i>Journal of Chemical Physics</i> , 2013 , 138, 214202	3.9	21
974	Tuning the surface plasmon resonance of core-shell particles. 2013 ,		2
973	Engineering the plasmonic optical properties of cubic silver nanostructures based on Fano resonance. <i>Journal of Chemical Physics</i> , 2013 , 139, 164713	3.9	2

972	New effects in an ultracompact Young's double nanoslit with plasmon hybridization. 2013 , 15, 073024		5
971	Optical Properties of Nanostructured Electrodes. 2013 , 1552, 119-124		
970	Plasmon focusing in short gold sphere nanochains for surface-enhanced Raman scattering. 2013 , 52, 8809-16		6
969	Surface-enhanced Raman spectroscopy: Substrates and materials for research and applications. 2013 , 38, 607-611		34
968	The size and structure of Ag particles responsible for surface plasmon effects and luminescence in Ag homogeneously doped bulk glass. <i>Journal of Applied Physics</i> , 2013 , 114, 073102	2.5	19
967	Plasmon resonances and the plasmon-induced field enhancement in nanoring dimers. <i>Journal of Applied Physics</i> , 2013 , 113, 113107	2.5	4
966	Analytical model for luminescence enhancement by metal nanoparticles. 2013 ,		
965	SERS study on surface chain geometry of atactic poly (methyl methacrylate) film and nanosphere. 2013 , 44, 1136-1143		11
964	Plasmonic interaction in 3D multiparticle structures. 2013 ,		
963	Functional DNA nanostructures for photonic and biomedical applications. 2013 , 9, 2210-22		50
962	MULTI-PHYSICAL PROPERTIES OF PLASMONIC ORGANIC SOLAR CELLS (Invited Paper). 2014 , 146, 25-46		10
961	Plasmonic metamaterials. 2014 , 3,		49
960	Optical Properties of Strongly Coupled Plasmonic Nanoparticle Clusters. 2014 , 4, 75-108		3
959	Collective photonic-plasmonic resonances in noble metal - dielectric nanoparticle hybrid arrays. 2014 , 4, 2409		12
958	Optical Response of Metallic Nanoparticle Heteroaggregates with Subnanometric Gaps. 2014 , 31, 152-160		31
957	Accounting for inhomogeneous broadening in nano-optics by electromagnetic modeling based on Monte Carlo methods. 2014 , 111, E639-44		16
956	Plasmonic Effect of a Nanoshell Dimer with Different Gain Materials. <i>Plasmonics</i> , 2014 , 9, 1463-1469	2.4	3
955	Plasmonic coupling between metallic nanocavities. 2014 , 16, 114012		35

954	Plasmonic mode mixing in nanoparticle dimers with nm-separations via substrate-mediated coupling. 2014 , 7, 1344-1354		11
953	Ultra-confined Modes in Metal Nanoparticle Arrays for Subwavelength Light Guiding and Amplification. <i>Advanced Optical Materials</i> , 2014 , 2, 394-399	8.1	10
952	Probing the nano-bio interface with nanoplasmonic optical probes. 2014 ,		
951	Correlation studies between localized surface plasmons and surface-enhanced Raman scattering of Gold-Silver NanoDumbbells (GSNDs) at the single-particle and single-molecule level. 2014 ,		
950	Influence of localized surface plasmon resonance and free electrons on the optical properties of ultrathin Au films: a study of the aggregation effect. <i>Optics Express</i> , 2014 , 22, 5124-32	3.3	31
949	Optical response of threaded chain plasmons: from capacitive chains to continuous nanorods. <i>Optics Express</i> , 2014 , 22, 23851-60	3.3	13
948	Plasmon hybridization in composite nanostructures with tunable resonances and vertex truncation analysis. 2014 , 53, 3528-32		3
947	Interaction of localized surface plasmons with chiral molecules. <i>Physical Review B</i> , 2014 , 90,	3.3	22
946	Quantum coherent plasmon in silver nanowires: a real-time TDDFT study. <i>Journal of Chemical Physics</i> , 2014 , 140, 244705	3.9	50
945	Modeling anisotropic plasmon excitations in self-assembled fullerenes. 2014 , 104, 203103		8
944	Near-field plasmonic coupling for enhanced nonlinear absorption by femtosecond pulses in bowtie nanoantenna arrays. 2014 , 117, 1841-1848		5
943	The simplest plasmonic molecules: Metal nanoparticle dimers and trimers. 2014 , 21, 26-39		62
942	Metamaterials and plasmonics: From nanoparticles to nanoantenna arrays, metasurfaces, and metamaterials. 2014 , 23, 047809		75
941	Ab initio nanoplasmonics: The impact of atomic structure. <i>Physical Review B</i> , 2014 , 90,	3.3	128
940	Plasmon induced transparency in metal-insulator-metal waveguide by a stub coupled with F-P resonator. 2014 , 1, 036201		18
939	Photothermal response enhancement in heterogeneous plasmon-resonant nanoparticle trimers. <i>Physical Review B</i> , 2014 , 90,	3.3	25
938	Nanoparticle above a Dielectric Interface: Plasmon Hybridization Model, Comparison with the Dimer System, and against Exact Electrodynamics Calculations. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 28118-28133	3.8	4
937	Electron energy loss spectroscopy of gold nanoparticles on graphene. <i>Journal of Applied Physics</i> , 2014 , 116, 054313	2.5	25

936	Electrically controlled plasmonic lasing resonances with silver nanoparticles embedded in amplifying nematic liquid crystals. 2014 , 11, 115814		5
935	Substrate-induced effects on the plasmonic properties of strongly coupled silver nanocubes. 2014 ,		
934	A nanolens-type enhancement in the linear and second harmonic response of a metallic dimer. 2014 , 16, 114010		2
933	Plasmon and compositional mapping of plasmonic nanostructures. 2014 ,		2
932	Localized Surface Plasmon Resonance Based Nanobiosensors. 2014 ,		29
931	Interparticle Coupling-Enhanced Detection. 2014 , 63-82		
930	Investigation of Plasmonic Resonances in Mismatched Gold Nanocone Dimers. <i>Plasmonics</i> , 2014 , 9, 35-45.4	17	
929	Rational Assembly of Optoplasmonic Hetero-nanoparticle Arrays with Tunable Photonic-Plasmonic Resonances. 2014 , 24, 739-746		31
928	Optical Properties of Noncontinuous Gold Shell Engineered on Silica Mesosphere. <i>Plasmonics</i> , 2014 , 9, 121-127	2.4	8
927	Experimental Study on Localized Surface Plasmon Mode Hybridization in the Near and Mid Infrared. <i>Plasmonics</i> , 2014 , 9, 707-713	2.4	1
926	Fano Resonances Induced by Strong Interactions Between Dipole and Multipole Plasmons in T-Shaped Nanorod Dimer. <i>Plasmonics</i> , 2014 , 9, 691-698	2.4	35
925	Coupled nano-plasmons. 2014 , 115, 387-392		1
924	Survey of Plasmonic Nanoparticles: From Synthesis to Application. 2014 , 31, 721-744		34
923	Effect of Nanoparticle Symmetry on Plasmonic Fields: Implications for Single-Molecule Raman Scattering. 2014 , 37-57		
922	Self-Assembled Plasmonic Oligomers for Organic Photovoltaics. <i>Advanced Optical Materials</i> , 2014 , 2, 171-175	8.1	18
921	Dark to Bright Mode Conversion on Dipolar Nanoantennas: A Symmetry-Breaking Approach. 2014 , 1, 310-314		51
920	Nonlinear plasmonic nanorulers. <i>ACS Nano</i> , 2014 , 8, 4931-9	16.7	53
919	Direct excitation of dark plasmonic resonances under visible light at normal incidence. 2014 , 6, 2106-11		16

918	Nanofocusing of electromagnetic radiation. 2014 , 8, 13-22		257
917	Effective model for plasmonic coupling: A rigorous derivation. <i>Physical Review B</i> , 2014 , 89,	3-3	9
916	Resonant Rayleigh light scattering of single Au nanoparticles with different sizes and shapes. 2014 , 6, 2307-15		49
915	Probing subdiffraction limit separations with plasmon coupling microscopy: concepts and applications. 2014 , 43, 3884-97		47
914	Highly Sensitive Plasmonic Sensor Based on Fano Resonance from Silver Nanoparticle Heterodimer Array on a Thin Silver Film. <i>Plasmonics</i> , 2014 , 9, 499-505	2-4	18
913	Refractive index sensing with Fano resonant plasmonic nanostructures: a symmetry based nonlinear approach. 2014 , 6, 15262-70		27
912	Hybrid plasmons in assemblies of coupled metal nanowires. 2014 ,		0
911	Systematic study of antibonding modes in gold nanorod dimers and trimers. <i>Nano Letters</i> , 2014 , 14, 6949-54		41
910	Nanoscale optical rulers beyond the FRET distance limit: fundamentals and applications. 2014 , 43, 6370-404		113
909	Optical sensing of biological, chemical and ionic species through aggregation of plasmonic nanoparticles. 2014 , 2, 7460		177
908	Selective excitation of bright and dark plasmonic resonances of single gold nanorods. <i>Optics Express</i> , 2014 , 22, 15088-96	3-3	15
907	Plasmon-enhanced photoluminescence of Si-V centers in diamond from a nanoassembled metal-diamond hybrid structure. 2014 , 16, 8356		14
906	Plasmonic polymers unraveled through single particle spectroscopy. 2014 , 6, 11451-61		17
905	The quest for optical magnetism: from split-ring resonators to plasmonic nanoparticles and nanoclusters. 2014 , 2, 9059-9072		82
904	Plasmon Mapping in Au@Ag Nanocube Assemblies. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 15356-15362		38
903	Scaling of the Surface Plasmon Resonance in Gold and Silver Dimers Probed by EELS. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 5478-5485	3-8	54
902	Plasmonic Interactions at Close Proximity in Chiral Geometries: Route toward Broadband Chiroptical Response and Giant Enantiomeric Sensitivity. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 4991-4997	3-8	27
901	Optical properties and sensing in plexcitonic nanocavities: from simple molecular linkers to molecular aggregate layers. 2014 , 25, 035201		13

900	Ferroplasmons: intense localized surface plasmons in metal-ferromagnetic nanoparticles. <i>ACS Nano</i> , 2014 , 8, 9790-8	16.7	40
899	Gold Bipyrmaid Nanoparticle Dimers. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 6405-6412	3.8	18
898	Universal surface-enhanced Raman tags: individual nanorods for measurements from the visible to the infrared (514-1064 nm). <i>ACS Nano</i> , 2014 , 8, 8600-9	16.7	38
897	Amorphous nanoshell formed through random growth and related plasmonic behaviors. 2014 , 610-611, 278-283		4
896	Relating surface-enhanced Raman scattering signals of cells to gold nanoparticle aggregation as determined by LA-ICP-MS micromapping. 2014 , 406, 7003-14		55
895	High precision and high yield fabrication of dense nanoparticle arrays onto DNA origami at statistically independent binding sites. 2014 , 6, 13928-38		25
894	Nanogold plasmonic photocatalysis for organic synthesis and clean energy conversion. 2014 , 43, 7188-216		415
893	Quantum mechanical origin of the plasmon: from molecular systems to nanoparticles. 2014 , 6, 11512-27		84
892	Quantum mechanical limit to plasmonic enhancement as observed by surface-enhanced Raman scattering. 2014 , 5, 5228		235
891	Multipole plasmon excitations of C60 dimers. <i>Journal of Chemical Physics</i> , 2014 , 141, 024111	3.9	7
890	Probing quantum plasmon coupling using gold nanoparticle dimers with tunable interparticle distances down to the subnanometer range. <i>ACS Nano</i> , 2014 , 8, 8554-63	16.7	146
889	Engineering nonlinear response of nanomaterials using Fano resonances. 2014 , 16, 105009		22
888	Modular plasmonic antennas built of ultrathin silica-shell silver-core nanoparticles. 2014 , 30, 7919-27		21
887	Optimized plasmonic configurations: adjacent and merging regimes between a symmetric couple of Au rod/shell nano-arrangements for LSPR sensing and spectroscopic purposes. 2014 , 16, 1		14
886	Design, Fabrication, and Characterization of Near-IR Gold Bowtie Nanoantenna Arrays. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 20553-20558	3.8	33
885	Optical interactions in plasmonic nanostructures. 2014 , 1,		17
884	Modes and resonances of plasmonic scatterers. <i>Physical Review B</i> , 2014 , 89,	3.3	37
883	Size-Dependent Plasmonic Resonances from Large-Scale Quantum Simulations. 2014 , 5, 1163-9		35

882	The resonant, near-resonant, and off-resonant plasmon coupling effects for the bonding modes in two types of asymmetric dimer. 2014 , 16, 075004		
881	Touching Gold Nanoparticle Chain Based Plasmonic Antenna Arrays and Optical Metamaterials. 2014 , 1, 228-234		38
880	Modulation of Fano resonances in symmetry-broken gold-SiO ₂ -gold nanotube dimers. 2014 , 57, 1063-1067		0
879	Excitation of Multiple Fano-Like Resonances Induced by Higher Order Plasmon modes in Three-Layered Bimetallic Nanoshell Dimer. <i>Plasmonics</i> , 2014 , 9, 461-475	2.4	26
878	Near and Far-Field Properties of Nanoprisms with Rounded Edges. <i>Plasmonics</i> , 2014 , 9, 607-614	2.4	29
877	Aluminum and Indium Plasmonic Nanoantennas in the Ultraviolet. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 12506-12514	3.8	69
876	Growing gold nanoparticles on a flexible substrate to enable simple mechanical control of their plasmonic coupling. 2014 , 2, 7927-7933		69
875	Light scattering and surface plasmons on small spherical particles. 2014 , 3, e179-e179		347
874	Self-Assembled Silver Nanoparticles in a Bow-Tie Antenna Configuration. 2014 , 10, 1057-1062		17
873	Monodisperse Colloidal Gold Nanorings: Synthesis and Utility for Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 16011-16018	3.8	22
872	Plasmonic nanoantenna arrays for surface-enhanced Raman spectroscopy of lipid molecules embedded in a bilayer membrane. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 8947-52	9.5	19
871	Collective Plasmonic Resonances on Arrays of Cysteine-Functionalized Silver Nanoparticle Aggregates. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 17940-17955	3.8	7
870	Quantum conductivity for metal-insulator-metal nanostructures. 2014 , 31, 259		38
869	Plasmonic supermodes in nanocrescent dimer with tunable resonances at the near-infrared. 2014 , 325, 9-14		7
868	Robust and Versatile Light Absorption at Near-Infrared Wavelengths by Plasmonic Aluminum Nanorods. 2014 , 1, 538-546		74
867	Electromagnetic plasmon propagation and coupling through gold nanoring heptamers: a route to design optimized telecommunication photonic nanostructures. 2014 , 53, 3832-40		13
866	SERS biosensor using metallic nano-sculptured thin films for the detection of endocrine disrupting compound biomarker vitellogenin. 2014 , 10, 3579-87		56
865	Plasmonic nanoparticles: fabrication, simulation and experiments. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 213001	3	63

864	Plasmon resonance analysis with configuration interaction. 2014 , 16, 15501-9		21
863	Interaction between slots as oscillator model. 2015 ,		
862	An electrodynamic-Langevin dynamics (ED-LD) approach to simulate metal nanoparticle interactions and motion. <i>Optics Express</i> , 2015 , 23, 29978-92	3-3	23
861	Nucleophile-Induced Shift of Surface Plasmon Resonance and its Implication in Chemistry. 2015 , 335-369		1
860	Hybridization of plasmonic antenna and cavity modes: Extreme optics of nanoparticle-on-mirror nanogaps. 2015 , 92,		92
859	Retardation-induced phase singularities in coupled plasmonic oscillators. <i>Physical Review B</i> , 2015 , 91,	3-3	9
858	Asymmetric and connected graphene dimers for a tunable plasmonic response. <i>Physical Review B</i> , 2015 , 92,	3-3	12
857	Hybridization and the origin of Fano resonances in symmetric nanoparticle trimers. <i>Physical Review B</i> , 2015 , 92,	3-3	28
856	Quantized Evolution of the Plasmonic Response in a Stretched Nanorod. 2015 , 115, 236804		46
855	References. 572-624		
854	Plasmon-Induced Transparency by Hybridizing Concentric-Twisted Double Split Ring Resonators. 2015 , 5, 15735		45
853	Visualizing Plasmonic Coupling in Metamaterials and Applying Angular Resolved EELS. 2015 , 21, 2385-2386		
852	Directional side scattering of light by a single plasmonic trimer. 2015 , 9, 530-537		33
851	Plasmon-Phonon Interactions in Topological Insulator Microrings. <i>Advanced Optical Materials</i> , 2015 , 3, 1257-1263	8.1	55
850	Mapping the near fields of plasmonic nanoantennas by scattering-type scanning near-field optical microscopy. 2015 , 9, 637-649		68
849	Gold-based SERS tags for biomedical imaging. 2015 , 17, 114002		59
848	. 2015 ,		11
847	Exploring plasmonic coupling in hole-cap arrays. 2015 , 6, 1-10		10

846	Localized Surface Plasmon Resonance Biosensing: Current Challenges and Approaches. 2015 , 15, 15684-716	281
845	A hyperspectral and toxicological analysis of protein corona impact on silver nanoparticle properties, intracellular modifications, and macrophage activation. 2015 , 10, 6509-21	34
844	. 2015 ,	3
843	Plasmon resonance tuning using DNA origami actuation. 2015 , 51, 4789-92	18
842	Optical Dark-Field and Electron Energy Loss Imaging and Spectroscopy of Symmetry-Forbidden Modes in Loaded Nanogap Antennas. <i>ACS Nano</i> , 2015 , 9, 6222-32	16.7 9
841	Electromagnetic Resonances of Silicon Nanoparticle Dimers in the Visible. 2015 , 2, 913-920	110
840	Investigating Plasmonic Structure-Dependent Light Amplification and Electronic Dynamics Using Advances in Nonlinear Optical Microscopy. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 15779-15800	3.8 29
839	Percolating plasmonic networks for light emission control. 2015 , 178, 237-52	17
838	Battling absorptive losses by plasmon-exciton coupling in multimeric nanostructures. 2015 , 5, 53245-53254	12
837	Insight into the eigenmodes of plasmonic nanoclusters based on the Green's tensor method. 2015 , 32, 194	6
836	Linear Optics of Plasmonic Concepts to Enhance Solar Cell Performance. 2015 , 209-230	1
835	Fano resonance in all-dielectric binary nanodisk array realizing optical filter with efficient linewidth tuning. <i>Optics Express</i> , 2015 , 23, 6858-66	3.3 59
834	Experimental verifications on an effective model for photonic coupling. 2015 , 40, 272-5	7
833	Charge Transfer Plasmons: Optical Frequency Conductances and Tunable Infrared Resonances. <i>ACS Nano</i> , 2015 , 9, 6428-35	16.7 96
832	Optical properties of cellulose nanocrystals decorated with silver nanospheres. 2015 ,	1
831	Field Enhancement Around Al Nanostructures in the DUV-Visible Region. <i>Plasmonics</i> , 2015 , 10, 1729-1740	4 8
830	Femtosecond Laser-Controlled Tip-to-Tip Assembly and Welding of Gold Nanorods. <i>Nano Letters</i> , 2015 , 15, 8282-8	11.5 86
829	Singular Representation of Plasmon Resonance Modes to Optimize the Near- and Far-Field Properties of Metal Nanoparticles. <i>Plasmonics</i> , 2015 , 10, 1391-1399	2.4 9

- 828 Transforming polarisation to wavelength via two-colour quantum dot plasmonic enhancement. **2015**,
- 827 Interparticle Forces Underlying Nanoparticle Self-Assemblies. **2015**, 11, 5984-6008 85
- 826 Tunable Electromagnetically Induced Transparency in Plasmonic System and Its Application in Nanosensor and Spectral Splitting. **2015**, 7, 1-8 11
- 825 Angle-insensitive plasmonic color filters with randomly distributed silver nanodisks. **2015**, 40, 4979-82 35
- 824 Janus magneto-electric nanosphere dimers exhibiting unidirectional visible light scattering and strong electromagnetic field enhancement. *ACS Nano*, **2015**, 9, 436-48 16.7 81
- 823 Spectral Splitting Based on Electromagnetically Induced Transparency in Plasmonic Waveguide Resonator System. *Plasmonics*, **2015**, 10, 721-727 2.4 46
- 822 The Morphology of Narrow Gaps Modifies the Plasmonic Response. **2015**, 2, 295-305 89
- 821 Raman scattering of linear chains of strongly coupled Ag nanoparticles on SWCNTs. **2014**, 4, 5238 37
- 820 A flexible pressure sensitive colour changing device using plasmonic nanoparticles. **2015**, 26, 075502 8
- 819 Probing the Anisotropy of SERS Enhancement with Spatially Separated Plasmonic Modes in Strongly Coupled Silver Nanocubes on a Dielectric Substrate. *Journal of Physical Chemistry C*, **2015**, 119, 3293-3301 3.8 16
- 818 Gallium plasmonics: deep subwavelength spectroscopic imaging of single and interacting gallium nanoparticles. *ACS Nano*, **2015**, 9, 2049-60 16.7 93
- 817 Nanometric Rulers Based on Plasmon Coupling in Pairs of Gold Nanoparticles. *Journal of Physical Chemistry C*, **2015**, 119, 4990-5001 3.8 36
- 816 Regioselective plasmonic coupling in metamolecular analogs of benzene derivatives. *Nano Letters*, **2015**, 15, 542-8 11.5 14
- 815 Plasmonic Effects of Phenylenediisocyanides Linked at Interparticle Junctions of Metal Nanoparticles. *Journal of Physical Chemistry C*, **2015**, 119, 599-609 3.8 14
- 814 Electron Energy-Loss Spectroscopy Calculation in Finite-Difference Time-Domain Package. **2015**, 2, 369-375 54
- 813 Optical properties of SiO₂@M (M = Au, Pd, Pt) core-shell nanoparticles: material dependence and damping mechanisms. **2015**, 3, 2282-2290 32
- 812 Prospects for plasmonic hot spots in single molecule SERS towards the chemical imaging of live cells. **2015**, 17, 21072-93 197
- 811 Strong Chiroptical Activities in Gold Nanorod Dimers Assembled Using DNA Origami Templates. **2015**, 2, 392-397 59

810	Coupled Mode Modeling To Interpret Hybrid Modes and Fano Resonances in Plasmonic Systems. 2015 , 2, 246-255		14
809	Multilayered core-satellite nanoassemblies with fine-tunable broadband plasmon resonances. 2015 , 7, 3445-52		38
808	Direct detection of microRNA based on plasmon hybridization of nanoparticle dimers. 2015 , 140, 1140-8		15
807	Extreme blueshift of surface plasmon resonance frequency in graphene nanodisk stacks. 2015 , 158, 27-35		6
806	Quantum Beats from Entangled Localized Surface Plasmons. 2015 , 2, 157-164		16
805	Metal-elastomer nanostructures for tunable SERS and easy microfluidic integration. 2015 , 5, 4404-4410		37
804	Standing wave plasmon modes interact in an antenna-coupled nanowire. <i>Nano Letters</i> , 2015 , 15, 1324-30	1.5	18
803	Pump-Probe Noise Spectroscopy of Molecular Junctions. 2015 , 6, 470-6		23
802	Engineering resonance dynamics of plasmon hybridized systems. <i>Journal of Applied Physics</i> , 2015 , 117, 023110	2.5	6
801	Decay of dark and bright plasmonic modes in a metallic nanoparticle dimer. <i>Physical Review B</i> , 2015 , 91,	3.3	20
800	Probing plasmonic nanostructures by photons and electrons. 2015 , 6, 2721-2726		34
799	Nanoscale Control of Temperature Distribution Using a Plasmonic Trimer. <i>Plasmonics</i> , 2015 , 10, 911-918	2.4	6
798	A Topography-Metrology Correlation in Nanoscale Probed by Near-Field Scanning Optical Microscopy. <i>Plasmonics</i> , 2015 , 10, 447-454	2.4	8
797	Interaction between Nanoprisms with Different Coupling Strength. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 6195-6203	3.8	18
796	Hybridization in Three Dimensions: A Novel Route toward Plasmonic Metamolecules. <i>Nano Letters</i> , 2015 , 15, 5200-7	11.5	32
795	Phase effects on the optical near-field interaction of a nanohole dimer milled in a gold film. 2015 , 355, 523-532		3
794	Strong Coupling between ZnO Excitons and Localized Surface Plasmons of Silver Nanoparticles Studied by STEM-EELS. <i>Nano Letters</i> , 2015 , 15, 5926-31	11.5	38
793	Far- and Deep-Ultraviolet Spectroscopy. 2015 ,		31

792	Revealing plasmonic interactions in both isolated and arrayed dimers with analytical and numerical approaches. 2015 ,		
791	Probing DNA Stiffness through Optical Fluctuation Analysis of Plasmon Rulers. <i>Nano Letters</i> , 2015 , 15, 5349-57	11.5	41
790	Subdiffraction Light Concentration by J-Aggregate Nanostructures. 2015 , 2, 971-979		31
789	Quantitative Plasmon Mode and Surface-Enhanced Raman Scattering Analyses of Strongly Coupled Plasmonic Nanotrimers with Diverse Geometries. <i>Nano Letters</i> , 2015 , 15, 4628-36	11.5	43
788	High-Density 2D Homo- and Hetero- Plasmonic Dimers with Universal Sub-10-nm Gaps. <i>ACS Nano</i> , 2015 , 9, 9331-9	16.7	46
787	Plasmon coupling in vertical split-ring resonator metamolecules. 2015 , 5, 9726		53
786	Tuning the optical response of a dimer nanoantenna using plasmonic nanoring loads. 2015 , 5, 9813		14
785	Quantum Effects in Charge Transfer Plasmons. 2015 , 2, 987-992		38
784	Plasmonic eigenmodes in individual and bow-tie graphene nanotriangles. 2015 , 5, 9535		48
783	Coulomb excitations for a short linear chain of metallic shells. 2015 , 22, 032116		3
782	Atomistic near-field nanoplasmonics: reaching atomic-scale resolution in nanooptics. <i>Nano Letters</i> , 2015 , 15, 3410-9	11.5	205
781	Active magnetoplasmonic ruler. <i>Nano Letters</i> , 2015 , 15, 3204-11	11.5	42
780	Toward the Design of Highly Stable Small Colloidal SERS Substrates with Supramolecular Host-Guest Interactions for Ultrasensitive Detection. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 8876-8888 ³⁸		27
779	Evolution of the localized surface plasmon resonance and electron confinement effect with the film thickness in ultrathin Au films. 2015 , 17, 1		3
778	Role of Symmetry in Coupled Localized Surface Plasmon Resonance of a Nanosphere Pair. <i>Plasmonics</i> , 2015 , 10, 643-653	2.4	4
777	Optical Forces on Silver Homogeneous Nanotubes: Study of Shell Plasmonic Interaction. <i>Plasmonics</i> , 2015 , 10, 989-998	2.4	6
776	Nonlocal optical response in metallic nanostructures. 2015 , 27, 183204		214
775	Recent advances in noble metal based composite nanocatalysts: colloidal synthesis, properties, and catalytic applications. 2015 , 7, 10559-83		124

774	Gold Nanocube Nanosphere Dimers: Preparation, Plasmon Coupling, and Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 7873-7882	3.8	60
773	Characterizing the Optical Response of Symmetric Hemispherical Nano-dimers. <i>Plasmonics</i> , 2015 , 10, 1453-1466	2.4	8
772	Anisotropy Effects on the Plasmonic Response of Nanoparticle Dimers. 2015 , 6, 1891-8		26
771	Theory of plasmon enhanced interfacial electron transfer. 2015 , 27, 134209		7
770	Optical Resonances of Colloidal Gold Nanorods: From Seeds to Chemically Thiolated Long Nanorods. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 7856-7864	3.8	8
769	Spatially Mapping Energy Transfer from Single Plasmonic Particles to Semiconductor Substrates via STEM/EELS. <i>Nano Letters</i> , 2015 , 15, 3465-71	11.5	66
768	Localized surface plasmon resonances in core-embedded heterogeneous nano-bowtie antenna. 2015 , 120, 47-51		5
767	Fano resonance by dipole-hexapole coupling in a B-shaped plasmonic nanostructure. 2015 , 54, 2710-4		12
766	Nanoscale Imaging of Local Few-Femtosecond Near-Field Dynamics within a Single Plasmonic Nanoantenna. <i>Nano Letters</i> , 2015 , 15, 6601-8	11.5	61
765	Resonance hybridization and near field properties of strongly coupled plasmonic ring dimer-rod nanosystem. <i>Journal of Applied Physics</i> , 2015 , 118, 113101	2.5	17
764	Investigating hybridization schemes of coupled split-ring resonators by electron impacts. <i>Optics Express</i> , 2015 , 23, 20721-31	3.3	5
763	One-to-One Correlation between Structure and Optical Response in a Heterogeneous Distribution of Plasmonic Constructs. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 24086-24094	3.8	12
762	Harnessing the interparticle J-aggregate induced plasmonic coupling for surface-enhanced Raman scattering. 2015 , 17, 28529-33		5
761	Laser pulse induced transient currents in a molecular junction: Effects of plasmon excitations of the leads. <i>Journal of Chemical Physics</i> , 2015 , 142, 224701	3.9	2
760	Bridging the Nanogap with Light: Continuous Tuning of Plasmon Coupling between Gold Nanoparticles. <i>ACS Nano</i> , 2015 , 9, 12292-300	16.7	62
759	Optical Second Harmonic Generation in Plasmonic Nanostructures: From Fundamental Principles to Advanced Applications. <i>ACS Nano</i> , 2015 , 9, 10545-62	16.7	351
758	Nanogap effects on near- and far-field plasmonic behaviors of metallic nanoparticle dimers. 2015 , 17, 29293-8		49
757	Coupled T-Shaped Optical Antennas with Two Resonances Localized in a Common Nanogap. 2015 , 2, 1644-1651		16

756	Experimental demonstration of sharp Fano resonance within binary gold nanodisk array through lattice coupling effects. 2015 , 40, 93-6		21
755	Robustness of plasmonic angular momentum confinement in cross resonant optical antennas. 2015 , 106, 261101		9
754	Multipolar and dark-mode plasmon resonances on drilled silver nano-triangles. <i>Optics Express</i> , 2015 , 23, 18002-13	3.3	25
753	Accurate Modeling of Dark-Field Scattering Spectra of Plasmonic Nanostructures. <i>ACS Nano</i> , 2015 , 9, 10039-46	16.7	27
752	Plasmon Hybridization Model for a Nanoparticle above a Dielectric Interface: Dielectric Effects, Comparison with the Dimer System, Range of Applicability, and Limits. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 21087-21104	3.8	7
751	Double Fano resonances in plasmonic nanocross molecules and magnetic plasmon propagation. 2015 , 7, 19914-20		11
750	Hydrogen-Induced Tuning of Plasmon Resonance in PalladiumSilver Layered Nanodimer Arrays. 2015 , 2, 66-72		10
749	Fano resonances in complex plasmonic super-nanoclusters: The effect of environmental modifications on the LSPR sensitivity. 2015 , 10, 222-230		2
748	Quantifying lipid contents in enveloped virus particles with plasmonic nanoparticles. 2015 , 11, 1592-602		11
747	Fano Resonances in Complex Plasmonic Necklaces Composed of Gold Nanodisks Clusters for Enhanced LSPR Sensing. <i>IEEE Sensors Journal</i> , 2015 , 15, 1588-1594	4	15
746	Plasmonic coupling with most of the transition metals: a new family of broad band and near infrared nanoantennas. 2015 , 7, 1181-92		23
745	Sharp Fano Resonance within Bi-periodic Silver Particle Array and Its Application as Plasmonic Sensor with Ultra-high Figure of Merit. <i>Plasmonics</i> , 2015 , 10, 469-474	2.4	9
744	A classical treatment of optical tunneling in plasmonic gaps: extending the quantum corrected model to practical situations. 2015 , 178, 151-83		119
743	Comment on "(Au-Ag) ₁₄₄ (SR) ₆₀ alloy nanomolecules" by C. Kumara and A. Dass, <i>Nanoscale</i> , 2011, 3, 3064. 2015 , 7, 8166-7		16
742	Plasmon-Exciton Resonant Energy Transfer: Across Scales Hybrid Systems. 2016 , 2016, 1-21		20
741	Self-Assembly of Gold Nanocrystals into Discrete Coupled Plasmonic Structures. 2016 , 6, 117		4
740	Complex-Morphology Metal-Based Nanostructures: Fabrication, Characterization, and Applications. 2016 , 6,		59
739	Experimental study on the transition of plasmonic resonance modes in double-ring dimers by conductive junctions in the terahertz regime. <i>Optics Express</i> , 2016 , 24, 27415-27422	3.3	12

738	Metamorphic plasmonic nanoantennas for self-enhanced nonlinear light generation. 2016 , 3, 1453		8
737	Fluorescence excitation by enhanced plasmon upconversion under continuous wave illumination. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2016 , 21, 32-43	2.6	3
736	Tunable Fano resonances and plasmonic hybridization of gold triangle-dimer nanostructure. 2016 , 25, 057303		2
735	Direct Comparison of Second Harmonic Generation and Two-Photon Photoluminescence from Single Connected Gold Nanodimers. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 17699-17710	3.8	22
734	Gold Nanotrimers: A Preparation Method and Optical Responses. 2016 , 37, 987-988		1
733	The Role of Size and Dimerization of Decorating Plasmonic Silver Nanoparticles on the Photoelectrochemical Solar Water Splitting Performance of BiVO ₄ Photoanodes. 2016 , 2, 739-747		31
732	Impact of the Nanoscale Gap Morphology on the Plasmon Coupling in Asymmetric Nanoparticle Dimer Antennas. 2016 , 12, 1667-75		22
731	Gap-Dependent Coupling of Ag-Au Nanoparticle Heterodimers Using DNA Origami-Based Self-Assembly. 2016 , 3, 1589-1595		66
730	Simply controllable growth of single crystal plasmonic Au-Ag nano-spines with anisotropic multiple sites for highly sensitive and uniform surface-enhanced Raman scattering sensing. 2016 , 6, 66056-66065		7
729	Assembling Color on the Nanoscale: Multichromatic Switchable Pixels from Plasmonic Atoms and Molecules. <i>Advanced Materials</i> , 2016 , 28, 3522-7	24	62
728	Hybridized plasmon modes and near-field enhancement of metallic nanoparticle-dimer on a mirror. 2016 , 6, 30011		66
727	Self-Assembled Active Plasmonic Waveguide with a Peptide-Based Thermomechanical Switch. <i>ACS Nano</i> , 2016 , 10, 11377-11384	16.7	32
726	Different optical properties in different periodic slot cavity geometrical morphologies. 2016 , 25, 097301		0
725	Plasmonic circuits for manipulating optical information. 2016 , 6, 543-559		79
724	Bonding and Anti-bonding Modes of Plasmon Coupling Effects in TiO ₂ -Ag Core-shell Dimers. 2016 , 6, 19433		29
723	Imaging of sub-wavelength structures radiating coherently near microspheres. 2016 , 108, 051104		57
722	Plasmon transmission through excitonic subwavelength gaps. <i>Journal of Chemical Physics</i> , 2016 , 144, 144703	3.9	7
721	Photoluminescence spectra and quantum yields of gold nanosphere monomers and dimers in aqueous suspension. 2016 , 18, 33264-33273		4

720	Toward Cavity Quantum Electrodynamics with Hybrid Photon Gap-Plasmon States. <i>ACS Nano</i> , 2016 , 10, 11360-11368	16.7	47
719	Dynamic coupling of plasmonic resonators. 2016 , 6, 21989		6
718	Electrochemical transformation of individual nanoparticles revealed by coupling microscopy and spectroscopy. 2016 , 193, 339-352		24
717	Emission redistribution from a quantum dot-bowtie nanoantenna. 2016 , 10, 033509		9
716	Effect of Proximity in Arrays of Plasmonic Nanoantennas on Hot Spots Density: Degenerate Semiconductors vs. Conventional Metals. <i>Plasmonics</i> , 2016 , 11, 1487-1493	2.4	9
715	Surface Enhanced Raman Spectroscopy of a Au@Au Core-Shell Structure Containing a Spiky Shell. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 20814-20821	3.8	17
714	Molecular Plasmonics. 2016 , 9, 27-43		22
713	Plasmonic-Field Interactions at Nanoparticle Interfaces for Infrared Thermal-Shielding Applications Based on Transparent Oxide Semiconductors. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 11749-57	9.5	19
712	Ultrafast Coherent Raman Scattering at Plasmonic Nanojunctions. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 20943-20953	3.8	38
711	Effect of Nanogap Curvature on SERS: A Finite-Difference Time-Domain Study. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 20642-20650	3.8	39
710	Optical properties of local surface plasmon resonance in Ag/ITO sliced nanosphere by the discrete dipole approximation. 2016 , 122, 1		2
709	Numerical Simulation of Extinction Spectra of Plasmonically Coupled Nanospheres Using Discrete Dipole Approximation: Influence of Compositional Asymmetry. <i>Plasmonics</i> , 2016 , 11, 1603-1612	2.4	13
708	Mechanical Coupling in Gold Nanoparticles Supermolecules Revealed by Plasmon-Enhanced Ultralow Frequency Raman Spectroscopy. <i>Nano Letters</i> , 2016 , 16, 3843-9	11.5	38
707	Chiral and Achiral Nanodumbbell Dimers: The Effect of Geometry on Plasmonic Properties. <i>ACS Nano</i> , 2016 , 10, 6180-8	16.7	64
706	Polarization dependence of plasmonic near-field enhanced photoemission from cross antennas. 2016 , 122, 1		5
705	Rhodium Plasmonics for Deep-Ultraviolet Bio-Chemical Sensing. <i>Plasmonics</i> , 2016 , 11, 839-849	2.4	20
704	Theoretical Study on Enhancement of Sensing Capability of Plasmonic Dimer Au Nanoparticles with Amphiphilic Polymer Brushes. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 11068-11077	3.8	7
703	Energy Levels of Coupled Plasmonic Cavities. 2016 , 33, 087303		3

702	Plasmon Enhanced Direct Bandgap Emissions in Cu S @Au S@Au Nanorings. 2016 , 12, 5728-5733	12
701	Dry Sintering Meets Wet Silver-Ion "Soldering": Charge-Transfer Plasmon Engineering of Solution-Assembled Gold Nanodimers From Visible to Near-Infrared I and II Regions. 2016 , 55, 14296-14300	26
700	Plasmonic coupling in single flower-like gold nanoparticle assemblies. 2016 , 26, 449-454	4
699	Quantum plasmonic and electromagnetic coupling in plasmon rulers: new opportunities for imaging and sensing at the nanoscale. 2016 ,	
698	Improved optical enhancement in binary plasmonic gratings with nanogap spacing. 2016 ,	1
697	Dry Sintering Meets Wet Silver-Ion Soldering—Charge-Transfer Plasmon Engineering of Solution-Assembled Gold Nanodimers From Visible to Near-Infrared I and II Regions. 2016 , 128, 14508-14512	9
696	Plasmonic nanoparticle-semiconductor composites for efficient solar water splitting. 2016 , 4, 17891-17912	129
695	Revisiting Newton's rings with a plasmonic optical flat for high-accuracy surface inspection. 2016 , 5, e16156	6
694	Morphological modulation of graphene-mediated hybridization in plasmonic systems. 2016 , 18, 27493-27499	3
693	Diffraction Enhanced Transparency and Slow THz Light in Periodic Arrays of Detuned and Displaced Dipoles. 2016 , 3, 1596-1603	24
692	Optical interaction between small plasmonic nanowires: a perspective from induced forces and torques. 2016 , 18, 085003	3
691	Colorimetric detection of catalase and catalase-positive bacteria (E. coli) using silver nanoprisms. 2016 , 8, 6625-6630	10
690	Hybridization between nanocavities for a polarimetric color sorter at the sub-micron scale. 2016 , 8, 15296-302	18
689	Manipulating light-matter interaction in a gold nanorod assembly by plasmonic coupling. 2016 , 10, 826-834	16
688	Dark spots along slowly scaling chains of plasmonic nanoparticles. <i>Optics Express</i> , 2016 , 24, 13584-9	3,3 11
687	Improved optical enhancement using double-width plasmonic gratings with nanogaps. <i>Photonics Research</i> , 2016 , 4, 173	6 13
686	Filtering light with nanoparticles: a review of optically selective particles and applications. 2016 , 8, 541	45
685	A sensitive 2D plasmon ruler based on Fano resonance. 2016 , 6, 81757-81762	3

684	Dimerization of Colloidal Particles through Controlled Aggregation for Enhanced Properties and Applications. 2016 , 11, 2341-51		11
683	Nanoparticle polymer composites on solid substrates for plasmonic sensing applications. 2016 , 11, 415-434		45
682	Quantum Plasmonics. 2016 , 104, 2307-2322		47
681	Hybrid Optical/Thermal Antennas for Enhanced Light Focusing and Local Temperature Control. 2016 , 3, 1714-1722		15
680	Surface plasmon resonance spectroscopy of single bowtie nano-antennas using a differential reflectivity method. 2016 , 6, 23203		44
679	Nonlocal Plasmonic Response and Fano Resonances at Visible Frequencies in Sub-Nanometer Gap Coupling Regime. 2016 , 3, 2467-2474		8
678	Fano Transparency in Rounded Nanocube Dimers Induced by Gap Plasmon Coupling. <i>ACS Nano</i> , 2016 , 10, 11266-11279	16.7	39
677	Controllable Synthesis of Gold Nanoparticles in Aqueous Solution by Microwave Assisted Flow Chemistry. 2016 , 4, 6435-6442		36
676	Coupling of plasmonic nanopore pairs: facing dipoles attract each other. 2016 , 5, e16146		26
675	Designer Colloidal Layers of Disordered Plasmonic Nanoparticles for Light Extraction. 2016 , 26, 6215-6223		9
674	Theoretical model for optical properties of symmetric trimer nanoholes in a gold film. 2016 , 33, 1627		1
673	Plasmon dissipation in gapped graphene open systems at finite temperature. <i>Physical Review B</i> , 2016 , 93,	3.3	15
672	Combined electron energy-loss and cathodoluminescence spectroscopy on individual and composite plasmonic nanostructures. <i>Physical Review B</i> , 2016 , 93,	3.3	19
671	Controlling the nonlinear optical properties of plasmonic nanoparticles with the phase of their linear response. <i>Optics Express</i> , 2016 , 24, 17138-48	3.3	11
670	Nanomanipulation and controlled self-assembly of metal nanoparticles and nanocrystals for plasmonics. 2016 , 45, 5672-5716		122
669	Photoinduced Force Mapping of Plasmonic Nanostructures. <i>Nano Letters</i> , 2016 , 16, 7942-7949	11.5	50
668	Orientation-Dependent Handedness of Chiral Plasmons on Nanosphere Dimers: How to Turn a Right Hand into a Left Hand. 2016 , 3, 2482-2489		14
667	Shaping optical absorption in a disorder gold nanorod assembly. 2016 ,		

666	Optical Twist Induced by Plasmonic Resonance. 2016 , 6, 27927		5
665	Quantum mechanical effects in plasmonic structures with subnanometre gaps. 2016 , 7, 11495		453
664	Fano-like resonance emerging from magnetic and electric plasmon mode coupling in small arrays of gold particles. 2016 , 6, 32061		25
663	Sub-one-nanometer gap (SONG) for nanogap-enhanced Raman scattering (NERS). 2016 ,		
662	Evanescent Wave-Assisted Symmetry Breaking of Gold Dipolar Nanoantennas. 2016 , 6, 32194		7
661	Theory of tailorable optical response of two-dimensional arrays of plasmonic nanoparticles at dielectric interfaces. 2016 , 6, 33712		30
660	Noble Metal Nanoparticles as SERS Tags: Fundamentals and Biomedical Applications. 2016 , 67-101		
659	Noble Metal Nanoparticles to Probe and Alter Biological Phenomena. 2016 , 103-149		1
658	Hollow Gold Nanoprism as Highly Efficient Single-Nanotransducer for Surface-Enhanced Raman Scattering Applications. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 25548-25556	3.8	15
657	Plasmon coupling behavior in aluminium nanoparticle arrangements. 2016 , 4, 10616-10619		3
656	Form and identify plasmonic dimer antennas: emitting-polarization resolved scattering from classical to quantum regime. 2016 ,		
655	Tip-enhanced Raman scattering microscopy: Recent advance in tip production. 2016 , 55, 08NA02		14
654	Ultrafast Thermal Nonlinearity. 2015 , 5, 17899		31
653	Quantum plasmonics: from jellium models to ab initio calculations. 2016 , 5, 409-426		84
652	Free-standing gold elliptical nanoantenna with tunable wavelength in near-infrared region for enhanced Raman spectroscopy. 2016 , 122, 1		6
651	Tunable dark plasmons in a metallic nanocube dimer: toward ultimate sensitivity nanoplasmonic sensors. 2016 , 8, 13722-9		42
650	Enhanced Third Harmonic Generation in Single Germanium Nanodisks Excited at the Anapole Mode. <i>Nano Letters</i> , 2016 , 16, 4635-40	11.5	257
649	Longitudinal Localized Surface Plasmons in Trimer Nanocylinder System. <i>Plasmonics</i> , 2016 , 11, 1049-1055.4		2

648	Molecular electronic plasmonics. 2016 , 3, 73-86		53
647	Standing-wave resonances in plasmonic nanoumbrella cavities for color generation and colorimetric refractive index sensor. 2016 , 384, 534-538		12
646	Plasmonic trapping and tuning of a gold nanoparticle dimer. <i>Optics Express</i> , 2016 , 24, 4801-4811	3-3	12
645	Tunable plasmonic response of metallic nanoantenna heterodimer arrays modified by atomic-layer deposition. 2016 , 10, 026024		3
644	Sui Generis Cerulean Fluorescence from YAG:Ce by Selective Plasmonic Mode Coupling with Silver Nanorods. <i>Plasmonics</i> , 2016 , 11, 395-402	2-4	
643	Hot electron generation by aluminum oligomers in plasmonic ultraviolet photodetectors. <i>Optics Express</i> , 2016 , 24, 13665-78	3-3	33
642	Strong Near-Field Coupling of Plasmonic Resonators Embedded in Si Nanowires. 2016 , 3, 184-189		14
641	Direct imaging of hybridized eigenmodes in coupled silicon nanoparticles. 2016 , 3, 93		58
640	Reviews in Plasmonics 2015. 2016 ,		1
639	Plasmon-Induced Transparency in a Surface Plasmon Polariton Waveguide with a Right-Angled Slot and Rectangle Cavity. <i>Plasmonics</i> , 2016 , 11, 1151-1155	2-4	15
638	Single-Particle Plasmon Voltammetry (spPV) for Detecting Anion Adsorption. <i>Nano Letters</i> , 2016 , 16, 2314-21	11-5	60
637	Symmetry breaking induced mode splitting based on a plasmonic waveguide system. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 145109	3	12
636	Hierarchical ultrathin alumina membrane for the fabrication of unique nanodot arrays. 2016 , 27, 025302		4
635	Expanding the plasmonic response of bimetallic nanoparticles by laser seeding. 2016 , 27, 105301		5
634	Tuning the EDTA-induced self-assembly and plasmonic spectral properties of gold nanorods: application in surface-enhanced Raman scattering. 2016 , 18, 1		1
633	Gradual plasmon evolution and huge infrared near-field enhancement of metallic bridged nanoparticle dimers. 2016 , 18, 2319-23		18
632	Modeling and Interpretation of Hybridization in Coupled Plasmonic Systems. 2016 , 19-49		3
631	Plasmonic surface lattice resonances in arrays of metallic nanoparticle dimers. 2016 , 18, 035005		30

630	Optical Properties of One-, Two-, and Three-Dimensional Arrays of Plasmonic Nanostructures. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 816-830	3.8	195
629	Plasmonic paper: a porous and flexible substrate enabling nanoparticle-based combinatorial chemistry. 2016 , 6, 4136-4144		19
628	Polarization State of Light Scattered from Quantum Plasmonic Dimer Antennas. <i>ACS Nano</i> , 2016 , 10, 1580-8	16.7	56
627	Silver coated gold nanocolloids entrapped in organized LangmuirBlodgett Film of stearic acid: Potential evidence of a new SERS active substrate. 2016 , 362, 364-373		14
626	All-dielectric metamaterials. 2016 , 11, 23-36		1140
625	Optical Transmission Enhancement of Stacked Plasmonic Apertures. 2016 , 34, 961-968		3
624	Plasmon coupling between silver nanoparticles: Transition from the classical to the quantum regime. 2016 , 464, 18-24		27
623	Broadband Mid-Infrared Super-Resolution Imaging with Metallic Nanorod-Bridged Dimer Array. <i>Plasmonics</i> , 2016 , 11, 797-802	2.4	
622	Scaffold-Based Multi-nanoparticle Clusters as Tunable LSPR Substrates for SERS Applications. <i>Plasmonics</i> , 2017 , 12, 9-17	2.4	7
621	Fundamentals of Plasmonics. 2017 , 13-35		2
620	Spray-assisted alignment of Layer-by-Layer assembled silver nanowires: a general approach for the preparation of highly anisotropic nano-composite films. 2017 , 9, 1307-1314		53
619	Large-Scale Plasmonic Pyramidal Supercrystals via Templated Self-Assembly of Monodisperse Gold Nanospheres. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 10899-10906	3.8	54
618	Near- and Far-Field Optical Response of Eccentric Nanoshells. <i>Nanoscale Research Letters</i> , 2017 , 12, 16	5	7
617	Resonant properties of coupled silver hemispheroids. 2017 , 11, 032503		1
616	Super-Resolution Imaging and Plasmonics. 2017 , 117, 7538-7582		173
615	Computational Modeling for the Ag Nanoparticle Coalescence Process: A Case of Surface Plasmon Resonance. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 7030-7036	3.8	13
614	Control of Primary Particle Spacing in Gold Nanoparticle Clusters for Both High NIR Extinction and Full Reversibility. 2017 , 33, 3413-3426		5
613	Colloquium: An algebraic model of localized surface plasmons and their interactions. 2017 , 89,		51

612	Reviews in Plasmonics 2016. 2017,		4
611	Cost-Effective Plasmonic Platforms: Glass Capillaries Decorated with Ag@SiO Nanoparticles on Inner Walls as SERS Substrates. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 19470-19477	9.5	27
610	Dark mode-Baraday rotation synergy for enhanced magneto-optics. <i>Physical Review B</i> , 2017 , 95,	3.3	2
609	Reading the Orbital Angular Momentum of Light Using Plasmonic Nanoantennas. 2017 , 4, 891-896		25
608	Effects of thickness & shape on localized surface plasmon resonance of sexfoil nanoparticles. 2017 , 26, 017807		1
607	Interplay Between In-Plane and Out-of-Plane Resonances of Heptamer Oligomer Nanoapertures. 2017 , 35, 186-192		
606	Tailored Surfaces/Assemblies for Molecular Plasmonics and Plasmonic Molecular Electronics. 2017 , 10, 201-224		7
605	One-dimensional aluminum nanoparticle chains: the influence of interparticle spacing and chain length on plasmon coupling behavior. 2017 , 5, 4379-4383		23
604	Hybrid magnetite-gold nanoparticles as bifunctional magnetic-plasmonic systems: three representative cases. 2017 , 2, 205-216		23
603	Neuartige Ansätze für die laserbasierte Manipulation von Zellen mit Hilfe plasmoneninduzierter Effekte. 2017 ,		0
602	Surface plasmon resonance in gold nanoparticles: a review. 2017 , 29, 203002		686
601	Charge transfer plasmons: Recent theoretical and experimental developments. 2017 , 4, 021104		35
600	Perspective on molecular quantum plasmonic nanoantennas. 2017 , 19, 060401		2
599	Broadband light scattering and photoluminescence enhancement from plasmonic Vogel's golden spirals. 2017 , 11, 1600235		13
598	Monitoring transient nanoparticle interactions with liposome-confined plasmonic transducers. 2017 , 3,		8
597	Landau Damping—The Ultimate Limit of Field Confinement and Enhancement in Plasmonic Structures. 2017 , 303-322		6
596	Phonon-Polaritonic Bowtie Nanoantennas: Controlling Infrared Thermal Radiation at the Nanoscale. 2017 , 4, 1753-1760		84
595	Fabrication of gold nanocages and nanoshells using lanreotide acetate and a comparison study of their photothermal antitumor therapy. 2017 , 5, 5641-5647		11

594	Optical Properties of Gold Nanoparticle Assemblies on a Glass Surface. <i>Nanoscale Research Letters</i> , 2017 , 12, 348	5	26
593	Ultrafast Multipolar Plasmon for Unidirectional Optical Switching in a Hemisphere-Nanoshell Array. <i>Advanced Optical Materials</i> , 2017 , 5, 1601088	8.1	19
592	Active coherent control of nanoscale light confinement: Modulation of plasmonic modes and position of hotspots for surface-enhanced Raman scattering detection. 2017 , 10, 2934-2943		1
591	Far-field plasmonic coupling in 2-dimensional polycrystalline plasmonic arrays enables wide tunability with low-cost nanofabrication. 2017 , 2, 267-276		12
590	Split-orientation-modulated plasmon coupling in disk/sector dimers. <i>Journal of Applied Physics</i> , 2017 , 121, 213105	2.5	2
589	The Computational Studies of Plasmon Interaction. <i>Nanoscale Research Letters</i> , 2017 , 12, 273	5	8
588	Tunable growth of gold nanostructures at a PDMS surface to obtain plasmon rulers with enhanced optical features. 2017 , 184, 3093-3102		6
587	Probing Gap Plasmons Down to Subnanometer Scales Using Collapsible Nanofingers. <i>ACS Nano</i> , 2017 , 11, 5836-5843	16.7	22
586	Mode Evolution in Strongly Coupled Plasmonic Dolmens Fabricated by Templated Assembly. 2017 , 4, 1661-1668		9
585	Surface enhanced hyper Raman scattering (SEHRS) and its applications. 2017 , 46, 3980-3999		42
584	Terahertz plasmonic excitations in BiSe topological insulator. 2017 , 29, 183002		12
583	Quantum Effects in Plasmon Coupling Across Subnanometer Gaps. 2017 , 38, 419-420		1
582	Whispering gallery mode hybridization in photonic molecules. 2017 , 11, 1600278		40
581	Optical interactions of silver nanoparticle decorated cellulose nanocrystals created from a one-pot reduction method. <i>Journal of Applied Physics</i> , 2017 , 121, 095502	2.5	3
580	Multidimensional Hybridization of Dark Surface Plasmons. <i>ACS Nano</i> , 2017 , 11, 4265-4274	16.7	16
579	A giant chiroptical effect caused by the electric quadrupole. 2017 , 9, 5110-5118		14
578	Spatial Confinement of Light onto a Flat Metallic Surface Using Hybridization between Two Cavities. <i>Advanced Optical Materials</i> , 2017 , 5, 1700097	8.1	17
577	Mechanical control of the plasmon coupling with Au nanoparticle arrays fixed on the elastomeric film via chemical bond. 2017 , 56, 035201		5

576	Mode Coupling in Plasmonic Heterodimers Probed with Electron Energy Loss Spectroscopy. <i>ACS Nano</i> , 2017 , 11, 3485-3495	16.7	32
575	Self-Assembly of Large Gold Nanoparticles for Surface-Enhanced Raman Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 13457-13470	9.5	77
574	The SERS effect in coordination chemistry. 2017 , 333, 108-131		18
573	Reversible Self-Assembly of Glutathione-Coated Gold Nanoparticle Clusters via pH-Tunable Interactions. 2017 , 33, 12244-12253		34
572	Radiative frequency shifts in nanoplasmonic dimers. <i>Physical Review B</i> , 2017 , 96,	3.3	14
571	Landau Damping and Limit to Field Confinement and Enhancement in Plasmonic Dimers. 2017 , 4, 2871-2880		54
570	Tuning the Gold Nanoparticle Colorimetric Assay by Nanoparticle Size, Concentration, and Size Combinations for Oligonucleotide Detection. 2017 , 2, 1627-1636		15
569	Exploring the coherent interaction in a hybrid system of hollow gold nanoprisms and cyanine dye J-aggregates: role of plasmon-hybridization mediated local electric-field enhancement. 2017 , 19, 27997-28005 ¹⁴		
568	Controlled Patterning of Plasmonic Dimers by Using an Ultrathin Nanoporous Alumina Membrane as a Shadow Mask. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 36199-36205	9.5	39
567	Aggregation-Driven Controllable Plasmonic Transition of Silica-Coated Gold Nanoparticles with Temperature-Dependent Polymer-Nanoparticle Interactions for Potential Applications in Optoelectronic Devices. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 39688-39698	9.5	13
566	Optics of exciton-plasmon nanomaterials. 2017 , 29, 443003		56
565	Understanding the Collective Optical Properties of Complex Plasmonic Vesicles. <i>Advanced Optical Materials</i> , 2017 , 5, 1700403	8.1	10
564	Plasmonic Nonlocal Response Effects on Dipole Decay Dynamics in the Weak- and Strong-Coupling Regimes. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 22361-22368	3.8	18
563	Biomolecule-Enabled Chiral Assembly of Plasmonic Nanostructures. 2017 , 3, 685-697		34
562	Graphene Optical Switch Based on Charge Transfer Plasmons. 2017 , 11, 1700285		13
561	Enhanced Second Harmonic Generation by Mode Matching in Gain-assisted Double-plasmonic Resonance Nanostructure. 2017 , 7, 9776		12
560	Macroscopic Strain-Induced Transition from Quasi-infinite Gold Nanoparticle Chains to Defined Plasmonic Oligomers. <i>ACS Nano</i> , 2017 , 11, 8871-8880	16.7	39
559	Nanocross: A Highly Tunable Plasmonic System. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 16521-16527	3.8	4

558	Analytical normalization of resonant states in photonic crystal slabs and periodic arrays of nanoantennas at oblique incidence. <i>Physical Review B</i> , 2017 , 96,	3.3	32
557	Spin-Momentum Locking in the Near Field of Metal Nanoparticles. 2017 , 4, 2242-2249		30
556	Theoretical realization of dynamically tunable double plasmonically induced transparency in a graphene-based waveguide structure. 2017 , 72, 632-636		7
555	Double Fano resonances in individual metallic nanostructure for high sensing sensitivity. 2017 ,		20
554	Quantum plasmonic nanoantennas. <i>Physical Review B</i> , 2017 , 95,	3.3	26
553	Mechanisms of resonant low frequency Raman scattering from metallic nanoparticle Lamb modes. <i>Journal of Chemical Physics</i> , 2017 , 146, 194201	3.9	6
552	Formalism of optical coherence and polarization based on material media states. 2017 , 95,		9
551	Multiscale time-dependent density functional theory: Demonstration for plasmons. <i>Journal of Chemical Physics</i> , 2017 , 147, 054102	3.9	
550	Triangle-, tripod-, and tetrapod-branched ITO nanocrystals for anisotropic infrared plasmonics. 2017 , 9, 19374-19383		8
549	Wavelength-Dependent Nonlinear Optical Properties of Ag Nanoparticles Dispersed in a Glass Host. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 27580-27589	3.8	29
548	Analysis of Localized Surface Plasmon Resonances in Spherical Jellium Clusters and Their Assemblies. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 27036-27052	3.8	9
547	Highly doped semiconductor plasmonic nanoantenna arrays for polarization selective broadband surface-enhanced infrared absorption spectroscopy of vanillin. 2017 , 7, 507-516		22
546	Tuning the Sensing Performance of Multilayer Plasmonic Core-Satellite Assemblies for Rapid Detection of Targets from Lysed Cells. 2017 , 2, 1578-1583		9
545	Plasmonic Nanoparticles Application in Biosensor and Bioimaging. 2017 , 151-205		
544	Influence of Gold Metallo-dielectric Partial-Shell Geometrical Irregularities on Dark Plasmon Resonances. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 15937-15942	3.8	2
543	Tuning Plasmon Resonance in Magnetoplasmonic Nanochains by Controlling Polarization and Interparticle Distance for Simple Preparation of Optical Filters. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 24433-24439	9.5	18
542	Oblique Colloidal Lithography for the Fabrication of Nonconcentric Features. <i>ACS Nano</i> , 2017 , 11, 6594-6604	6.0	11
541	Large second harmonic generation from hollow gold nanoprisms: role of plasmon hybridization and structural effects. 2017 , 19, 18394-18399		8

540	Long-Range Plasmon Field and Plasmoelectric Effect on Catalysis Revealed by Shell-Thickness-Tunable Pinhole-Free 2 CoreShell Nanoparticles: A Case Study of p-Nitrophenol Reduction. 2017 , 7, 5391-5398		54
539	Computational and experimental evaluation of selective substitution of thiolated coumarin derivatives on gold nanoparticles: Surface enhancing Raman scattering and electrochemical studies. 2017 , 396, 695-704		4
538	Hollow metal nanostructures for enhanced plasmonics: synthesis, local plasmonic properties and applications. 2017 , 6, 193-213		73
537	Characteristics and mechanism analysis of Fano resonances in $\{\pi\}$ -shaped gold nano-trimer. 2017 , 26, 127301		2
536	Towards Optimal Disorder in Gold Nanosponges for Long-Lived Localized Plasmonic Modes. 2017 , 529, 1600234		3
535	On the substrate contribution to the back action trapping of plasmonic nanoparticles on resonant near-field traps in plasmonic films. <i>Optics Express</i> , 2017 , 25, 26198-26214	3-3	10
534	Vortex energy flows generated by core-shell nanospheres. <i>Optics Express</i> , 2017 , 25, 8950-8965	3-3	
533	Hybridized metamaterial platform for nano-scale sensing. <i>Optics Express</i> , 2017 , 25, 15590-15598	3-3	9
532	Optical second harmonic generation from nanostructured graphene: a full wave approach. <i>Optics Express</i> , 2017 , 25, 27015-27027	3-3	13
531	Dependence of plasmon coupling on curved interfaces. 2017 , 56, 8240-8245		1
530	Surface-Enhanced Spectroscopy for Surface Characterization. 2017 , 115-154		
529	Computing the T-matrix of a scattering object with multiple plane wave illuminations. 2017 , 8, 614-626		33
528	Infrared Solar Thermal-Shielding Applications Based on Oxide Semiconductor Plasmonics. 2017 ,		2
527	Nanoplasmonics in Metallic Nanostructures and Dirac Systems. 2017 ,		1
526	Plasmonic Field Distribution of Homo- and Hetero Dimeric Ag and Au Nanoparticles. 2017 ,		0
525	Plasmonic Spherical Heterodimers: Reversal of Optical Binding Force Based on the Forced Breaking of Symmetry. 2018 , 8, 3164		12
524	Application of ordered nanoparticle self-assemblies in surface-enhanced spectroscopy. 2018 , 2, 835-860		25
523	Localized Surface Plasmon Coupling between Mid-IR-Resonant ITO Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 5698-5704	3-8	18

522	Coupling of Molecular Emitters and Plasmonic Cavities beyond the Point-Dipole Approximation. <i>Nano Letters</i> , 2018 , 18, 2358-2364	11.5	98
521	Controlling Magnetic Dipole Resonance in Raspberry-like Metamolecules. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 6808-6817	3.8	14
520	Macroscopic Aerogels with Retained Nanoscopic Plasmonic Properties. 2018 , 232, 1675-1689		12
519	Two-dimensional gold trisoctahedron nanoparticle superlattice sheets: self-assembly, characterization and immunosensing applications. 2018 , 10, 5065-5071		43
518	Effect of interstitial palladium on plasmon-driven charge transfer in nanoparticle dimers. 2018 , 9, 1608		20
517	Chemical Routes to Surface Enhanced Infrared Absorption (SEIRA) Substrates. 2018 , 232, 1527-1539		2
516	Optothermally Controlled Charge Transfer Plasmons in Au-Ge ₂ Sb ₂ Te ₅ Core-Shell Dimers. <i>Plasmonics</i> , 2018 , 13, 1921-1928	2.4	1
515	Wavelength-Dependent Optical Force Imaging of Bimetallic Al-Au Heterodimers. <i>Nano Letters</i> , 2018 , 18, 2040-2046	11.5	34
514	Fabrication and near-field visualization of a wafer-scale dense plasmonic nanostructured array.. 2018 , 8, 6444-6451		7
513	Polarization control of high transmission/reflection switching by all-dielectric metasurfaces. 2018 , 112, 063103		27
512	Lithographically Prepared SERS-Active Substrates with Well-Defined Gaps Below 1 nm. 2018 , 137-159		
511	New Characterization of Plasmons in Nanowire Dimers by Optical Forces and Torques. <i>Plasmonics</i> , 2018 , 13, 1817-1831	2.4	2
510	DNA-Assembled Advanced Plasmonic Architectures. 2018 , 118, 3032-3053		220
509	Nanoscale control of plasmon-active metal nanodimer structures via electrochemical metal dissolution reaction. 2018 , 29, 045702		6
508	Optical properties of electrically connected plasmonic nanoantenna dimer arrays. <i>Journal of Applied Physics</i> , 2018 , 123, 063101	2.5	1
507	Broadband Plasmonic Antenna Enhanced Upconversion and Its Application in Flexible Fingerprint Identification. <i>Advanced Optical Materials</i> , 2018 , 6, 1701119	8.1	24
506	Self-hybridization within non-Hermitian localized plasmonic systems. 2018 , 14, 360-364		23
505	Multiwavelength Surface-Enhanced Raman Spectroscopy Using Rainbow Trapping in Width-Graded Plasmonic Gratings. <i>Advanced Optical Materials</i> , 2018 , 6, 1701136	8.1	12

504	Boosting the Photoluminescence of Monolayer MoS ₂ on High-Density Nanodimer Arrays with Sub-10 nm Gap. <i>Advanced Optical Materials</i> , 2018 , 6, 1700984	8.1	58
503	Polarization-resolved optical response of plasmonic particle-on-film nanocavities. 2018 , 20, 024010		16
502	Gold Nanostructures for Plasmonic Enhancement of Hyper-Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 2931-2940	3.8	21
501	Circular Gold Nanodisks with Synthetically Tunable Diameters and Thicknesses. 2018 , 28, 1705516		36
500	Hybridization of Lattice Resonances. <i>ACS Nano</i> , 2018 , 12, 1618-1629	16.7	55
499	The investigation of an LSPR refractive index sensor based on periodic gold nanorings array. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 045101	3	28
498	Enhanced Fluorescence of a Dye on DNA-Assembled Gold Nanodimers Discriminated by Lifetime Correlation Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 10971-10980	3.8	11
497	Plasmonic Interaction between Nanospheres. 2018 , 60, 356-385		19
496	Acoustic Mode Hybridization in a Single Dimer of Gold Nanoparticles. <i>Nano Letters</i> , 2018 , 18, 3800-3806	11.5	16
495	Long-Range Self-Assembly via the Mutual Lorentz Force of Plasmon Radiation. <i>Nano Letters</i> , 2018 , 18, 2564-2570	11.5	4
494	Effect of plasmonic coupling on photothermal behavior of random nanoparticles. 2018 , 420, 52-58		12
493	Nanoparticle heterodimers: The role of size and interparticle gap distance on the optical response. 2018 , 699, 28-31		5
492	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
491	Chiral Light Design and Detection Inspired by Optical Antenna Theory. <i>Nano Letters</i> , 2018 , 18, 4633-4640	11.5	50
490	Fast Energy Transfer in the Vicinity of Two Metallic Nanospheres (Dimer). <i>Plasmonics</i> , 2018 , 13, 873-883	4	14
489	Physics Models of Plasmonics: Single Nanoparticle, Complex Single Nanoparticle, Nanodimer, and Single Nanoparticle over Metallic Thin Film. <i>Plasmonics</i> , 2018 , 13, 997-1014	2.4	7
488	Sensitive Gap-Enhanced Raman Spectroscopy with a Perfect Radially Polarized Beam. <i>Plasmonics</i> , 2018 , 13, 991-996	2.4	7
487	Active Plasmonics: Principles, Structures, and Applications. 2018 , 118, 3054-3099		340

486	Probing Nanoparticle Plasmons with Electron Energy Loss Spectroscopy. 2018 , 118, 2994-3031		80
485	Plasmonic Nanoparticle Dimers with Reversibly Photoswitchable Interparticle Distances Linked by DNA. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 13363-13370	3.8	12
484	Screened bonding, antibonding and charge transfer plasmon modes in conductively connected nanorod heterodimer. 2018 , 20, 025001		6
483	Emitting-polarization of surface plasmons coupling in metallic nanoantennas. 2018 , 20, 014002		3
482	A flexible pressure responsive device based on the interaction between silver nanoparticles and an aluminum reflector. 2018 , 29, 015503		2
481	Increasing the optical absorption in a-Si thin films by embedding gold nanoparticles. 2018 , 75, 204-210		22
480	Functionalization of Plasmonic Nanoparticles and Controlled Assembly for High-Surface-Enhanced Raman Scattering Performance and Molecular Detection. 2018 , 725-733		
479	Orbital angular momentum dichroism in nanoantennas. 2018 , 1,		26
478	Nanoscale Insights into Enhanced Raman Spectroscopy. 2018 ,		
477	Plasmonics in Sensing: From Colorimetry to SERS Analytics. 2018 ,		10
476	Hybrid Toroidal Modes in Planar Core-Shell Metamaterial Structures. 2018 ,		2
475	To Etch or not to Etch. 2018 ,		1
474	Femtosecond Direct Laser-Induced Assembly of Monolayer of Gold Nanostructures with Tunable Surface Plasmon Resonance and High Performance Localized Surface Plasmon Resonance and Surface Enhanced Raman Scattering Sensing. 2018 , 34, 15763-15772		2
473	Implementation of plasmonic band structure to understand polariton hybridization within metamaterials. <i>Optics Express</i> , 2018 , 26, 29363-29374	3.3	2
472	Tailoring the Core-Satellite Nanoassembly Architectures by Tuning Internanoparticle Electrostatic Interactions. 2018 , 34, 14617-14623		10
471	Selected Mode Mixing and Interference Visualized within a Single Optical Nanoantenna. 2018 , 5, 4986-4992		6
470	Dark-Mode Characteristics of Metasurfaces Engineered by Symmetry Matching of Resonant Elements and Electromagnetic Fields. 2018 , 219-239		
469	SERS induced by two coupled monolayers of Au plasmonic nanoparticles. 2018 , 1124, 051024		1

468	Dark Plasmon Modes in Symmetric Gold Nanoparticle Dimers Illuminated by Focused Cylindrical Vector Beams. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 27662-27672	3.8	26
467	Surface Enhanced Raman Spectroscopy for Biophysical Applications. 2018 ,		2
466	Investigation on Nanoparticles and Their Molecular Functionalization. 2018 , 57-83		
465	Ligand Density and Nanoparticle Clustering Cooperate in the Multivalent Amplification of Epidermal Growth Factor Receptor Activation. <i>ACS Nano</i> , 2018 , 12, 10473-10485	16.7	18
464	Chemical bonds and edge states in a metamolecular crystal. <i>Physical Review B</i> , 2018 , 98,	3.3	4
463	Plasmonic Biosensing. 2018 , 118, 10617-10625		215
462	Dark Interlayer Plasmons in Colloidal Gold Nanoparticle Bi- and Few-Layers. 2018 , 5, 3962-3969		19
461	Negative index and mode coupling in all-dielectric metamaterials at terahertz frequencies. 2018 , 5, 10		1
460	Ultrasensitive nanosensors based on localized surface plasmon resonances: From theory to applications. 2018 , 27, 107403		17
459	Visible light emission from Dy ³⁺ doped tellurite glass: Role of silver and titania nanoparticles co-embedding. 2018 , 502, 198-209		8
458	Dark dimer mode excitation and strong coupling with a nanorod dipole. <i>Photonics Research</i> , 2018 , 6, 887	6	9
457	Plasmonic Properties of Periodic Arrays of Ag Nanocylinders and Dimers, and the Effects of an Underlying Ag Layer. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 22083-22093	3.8	3
456	Circular Dichroism of Chiral Molecules in DNA-Assembled Plasmonic Hotspots. <i>ACS Nano</i> , 2018 , 12, 9110-9115	16.7	66
455	Comprehensive studies of the Ag ⁺ effect on borosilicate glass ceramics containing Ag nanoparticles and Er-doped hexagonal NaYF ₄ nanocrystals: morphology, structure, and 2.7 μ m emission. 2018 , 7, 913-923		14
454	Interaction of an Archimedean spiral structure with orbital angular momentum light. 2018 , 20, 095005		9
453	Size Control of Self-Organized Gold Nanoparticles on Nanopatterned Single Crystal Diamond. 2018 ,		
452	Direct Characterization of Near-Field Coupling in Gap Plasmon-Based Metasurfaces. <i>Nano Letters</i> , 2018 , 18, 6265-6270	11.5	26
451	Transformation optics approach to singular metasurfaces. <i>Physical Review B</i> , 2018 , 98,	3.3	16

450	Dumbbell gold nanoparticle dimer antennas with advanced optical properties. 2018 , 9, 2188-2197		5
449	Systematic Analysis of the Coupling Effects within Supported Plasmonic Nanorod Antenna Arrays. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 22041-22053	3.8	3
448	A Metamaterial Analog of the Ising Model. <i>Advanced Materials</i> , 2018 , 30, e1804210	24	20
447	Strong Fano Resonance Excited in an Array of Nanoparticle-in-Ring Nanostructures for Dual Plasmonic Sensor Applications. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 20935-20944	3.8	19
446	Plasmonic Modes in Au and AuAg Nanowires and Nanowire Dimers Studied by Electron Energy Loss Spectroscopy. 2018 ,		
445	Modeling of the surface plasmon resonance tunability of silver/gold core-shell nanostructures.. 2018 , 8, 19616-19626		13
444	Plasmonic Sensing and Control of Single-Nanoparticle Electrochemistry. 2018 , 4, 1560-1585		67
443	Efficient Circular Polarizer Using a Two-Layer Nanoparticle Dimer Array with Designed Chirality. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 12428-12433	3.8	5
442	Artificial Plasmonic Molecules and Their Interaction with Real Molecules. 2018 , 118, 5539-5580		57
441	Morphology dependent near-field response in atomistic plasmonic nanocavities. 2018 , 10, 11410-11417		24
440	Tunable Spectral Ordering of Magnetic Plasmon Resonances in Noble Metal Nanoclusters. 2018 , 5, 3272-3281		11
439	Plasmon response evaluation based on image-derived arbitrary nanostructures. 2018 , 10, 9830-9839		14
438	Discrete sources method for modeling the nonlocal optical response of a nonspherical particle dimer. 2018 , 217, 35-44		15
437	TD-DFT and TD-DFTB Investigation of the Optical Properties and Electronic Structure of Silver Nanorods and Nanorod Dimers. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 23639-23650	3.8	29
436	Electromagnetically-induced Transparency in Metamaterials for the Potential Applications. 2018 , 72, 1491-1501		3
435	Numerical investigation of nonlinear photothermal effect in Vanadium Dioxide phase-change particles. 2018 , 427, 184-189		3
434	From Fundamental toward Applied SERS: Shared Principles and Divergent Approaches. <i>Advanced Optical Materials</i> , 2018 , 6, 1800292	8.1	39
433	Large-area, low-cost, ultra-broadband, infrared perfect absorbers by coupled plasmonic-photonic micro-cavities. 2018 , 186, 142-148		29

432	Optical properties of bimetallic compositional heterodimers. 2018 , 20, 19017-19022		1
431	Long-Distance Resonant Energy Transfer Mediated by Hybrid Plasmonic Photonic Modes. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 15853-15860	3.8	14
430	Color rendering based on a plasmon fullerene cavity. <i>Optics Express</i> , 2018 , 26, 9984-9999	3.3	2
429	Chimera states in plasmonic nanoresonators. <i>Photonics Research</i> , 2018 , 6, 427	6	1
428	Second-harmonic generation of electrostatic origin from extreme nanosized bi-metal structures. 2018 , 43, 3662-3665		2
427	Metal-Enhanced Fluorescence and Its Applications. 2018 , 1-28		
426	Chirality of Symmetric Resonant Heterostructures. 2018 , 12, 1800109		6
425	Silver Nanoparticles: Synthesis, Characterization and Applications. 2018 ,		24
424	Nanometric Plasmonic Rulers Based on Orthogonal Plasmonic Gap Modes in Metal Nanoblocks. 2018 , 8, 386		1
423	Electromagnetic Nanoparticles for Sensing and Medical Diagnostic Applications. 2018 , 11,		78
422	Light scattering by coupled oriented dipoles: Decomposition of the scattering matrix. <i>Physical Review B</i> , 2018 , 98,	3.3	9
421	Bonding state energy of metal nanoparticle dimer and its dependence on nanosphere size and interparticle separation. 2018 , 27, 1850018		5
420	Sculpting Extreme Electromagnetic Field Enhancement in Free Space for Molecule Sensing. 2018 , 14, e1801146		26
419	Continuous reversible tuning of the gap size and plasmonic coupling of bow tie nanoantennas on flexible substrates. 2018 , 10, 14915-14922		29
418	Tailoring Electromagnetic Hot Spots toward Visible Frequencies in Ultra-Narrow Gap Al/Al ₂ O ₃ Bowtie Nanoantennas. 2018 , 5, 3399-3407		12
417	2D Binary Plasmonic Nanoassemblies with Semiconductor n/p-Doping-Like Properties. <i>Advanced Materials</i> , 2018 , 30, e1801118	24	23
416	(Invited) Plasmonic Patch Nanoantennas for Reproducible and High-Sensitivity Chemical Detection with Surface-Enhanced Raman Spectroscopy. 2018 , 85, 77-85		1
415	Probing the Plasmon Coupling, Quantum Yield, and Effects of Tip Geometry of Gold Nanoparticle Using Analytical Models and FDTD Simulation. 2018 , 10, 1-10		8

414	Tunable multiband plasmonic response of indium antimonide touching microrings in the terahertz range. 2018 , 57, 4368-4375		3
413	Sensing Picomolar Concentrations of RNA Using Switchable Plasmonic Chirality. 2018 , 130, 13683-13686		22
412	Plasmon heating of one-dimensional gold nanoparticle chains. 2018 , 173, 665-674		12
411	Electron Energy-Loss Spectroscopy of Spatial Nonlocality and Quantum Tunneling Effects in the Bright and Dark Plasmon Modes of Gold Nanosphere Dimers. 2018 , 1, 1800016		8
410	Sensing Picomolar Concentrations of RNA Using Switchable Plasmonic Chirality. 2018 , 57, 13495-13498		71
409	Probing Interactions between AuNPs/AgNPs and Giant Unilamellar Vesicles (GUVs) Using Hyperspectral Dark-field Microscopy. 2018 , 19,		6
408	Optical properties of coupled silicon nanowires and unusual mechanical inductions. 2018 , 20, 095002		
407	Plasmonic Surface Lattice Resonances: A Review of Properties and Applications. 2018 , 118, 5912-5951		517
406	Single particle dark-field spectroscopy of spherical dimers with down to sub-10 nm gaps fabricated by the annealing of nano-pillars. 2018 , 7, 1317-1324		10
405	Surface-enhanced spectroscopy: Toward practical analysis probe. 2019 , 54, 142-175		12
404	Optical Response Tuning of Compositional Heterodimers: a TDDFT Study. <i>Plasmonics</i> , 2019 , 14, 539-545	2.4	
403	Surface Depletion Layers in Plasmonic Metal Oxide Nanocrystals. 2019 , 52, 2516-2524		21
402	Fabrication of a Three-Dimensional Plasmon Ruler Using an Atomic Force Microscope. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 19871-19878	3.8	2
401	Well-ordered self-assembled plasmonic dimers for surface-enhanced Raman scattering. 2019 , 20, 100593		
400	Plasmonic nano bow-tie arrays with enhanced LSPR refractive index sensing. 2019 , 14, 566-571		7
399	Forward to Backward Scattering Ratio of Dielectric/Metal Heterodimer Suspended in Almost Free-Space. <i>Advanced Optical Materials</i> , 2019 , 7, 1900591	8.1	19
398	Probing Subnanometric-Scale Hotspots in Metallic Interfaces. <i>Plasmonics</i> , 2019 , 14, 2031-2043	2.4	0
397	Utilizing the Organizational Power of DNA Scaffolds for New Nanophotonic Applications. <i>Advanced Optical Materials</i> , 2019 , 7, 1900562	8.1	16

396	Colloidal Gold Nanorings and Their Plasmon Coupling with Gold Nanospheres. 2019 , 15, e1902608	24
395	Tunable magnetoplasmonics in lattices of Ni/SiO/Au dimers. 2019 , 9, 9907	10
394	Electromagnetic field decomposition model for understanding solar energy absorption in multi-nanoparticle systems. 2019 , 236, 106588	4
393	Multiresonant plasmonics with spatial mode overlap: overview and outlook. 2019 , 8, 1199-1225	23
392	Plasmonic Nanoparticles and Island Films for Solar Energy Harvesting: A Comparative Study of Cu, Al, Ag and Au Performance. 2019 , 9, 382	8
391	Modifying Plasmonic-Field Enhancement and Resonance Characteristics of Spherical Nanoparticles on Metallic Film: Effects of Faceting Spherical Nanoparticle Morphology. 2019 , 9, 387	10
390	A Quantum Chemistry Approach Based on the Analogy with ESystem in Polymers for a Rapid Estimation of the Resonance Wavelength of Nanoparticle Systems. 2019 , 9,	4
389	Multicolor High-Speed Tracking of Single Biomolecules with Silver, Gold, and Silver-Gold Alloy Nanoparticles. 2019 , 6, 2870-2883	11
388	A Review on the Application of Integral Equation-Based Computational Methods to Scattering Problems in Plasmonics. 2019 , 2, 1900087	8
387	Dipole states and coherent interaction in surface-acoustic-wave-coupled phononic resonators. 2019 , 10, 4583	9
386	Nonlinear Spectroscopy on the Plasmonic Analog of Electromagnetically Induced Absorption: Revealing Minute Structural Asymmetries. 2019 , 6, 2850-2859	3
385	Gas Consumption-Aware Dynamic Load Balancing in Ethereum Sharding Environments. 2019 ,	5
384	Plasmon-driven high harmonic generation of benzene: effect of spatial inhomogeneity of near field. 2019 , 1, 044001	2
383	Analysis of Plasmonic Gold Nanostar Arrays with the Optimum Sens Enhancement Factor on the Human Skin Tissue. 2019 , 86, 925-933	4
382	Tunable and large plasmonic field enhancement in core-shell heterodimer/trimer. 2019 , 33, 2423-2433	2
381	Exciting Pseudospin-Dependent Edge States in Plasmonic Metasurfaces. 2019 , 6, 2985-2995	16
380	Spectrally broad plasmonic absorption in Ga and In nanoparticle hybrids. 2019 , 30, 475705	7
379	Multiresonant High- Plasmonic Metasurfaces. <i>Nano Letters</i> , 2019 , 19, 6429-6434	11.5 29

378	Surface plasmons in metamaterial heterostructures. 2019 , 1-12		3
377	Cavity quantum electrodynamic analysis of spasing in nanospherical dimers. <i>Physical Review B</i> , 2019 , 100,	3.3	8
376	Tip-Enhanced Raman Excitation Spectroscopy (TERES): Direct Spectral Characterization of the Gap-Mode Plasmon. <i>Nano Letters</i> , 2019 , 19, 7309-7316	11.5	22
375	Concentric designer plasmon hybridization in deep subwavelength metamaterial resonator. 2019 , 115, 121103		5
374	Carving Plasmon Modes in Silver Sierpiński Fractals. 2019 , 6, 2974-2984		7
373	Plasmonic Nanoparticle-Interfaced Lipid Bilayer Membranes. 2019 , 52, 2793-2805		12
372	Optimization of electric field enhancement of Ag@SiO ₂ trimer nanospheres by finite difference time domain method. 2019 , 495, 143547		7
371	Effect of Nanogap Morphology on Plasmon Coupling. <i>ACS Nano</i> , 2019 , 13, 12100-12108	16.7	24
370	Plasmonic effects in the enclosed and opened metallodielectric bowtie nanostructures. 2019 , 450, 180-189		3
369	Hybridized plasmon modes in a system of metal thin film–nanodisk array. <i>Journal of Applied Physics</i> , 2019 , 126, 113104	2.5	14
368	Direct optical excitation of dark plasmons for hot electron generation. 2019 , 214, 159-173		11
367	Dynamics of electron-emission currents in plasmonic gaps induced by strong fields. 2019 , 214, 147-157		9
366	Optical absorption spectroscopy in hybrid systems of plasmons and excitons. 2019 , 11, 2037-2047		2
365	Light incoupling and SPR tailoring of graphene coated silver-aluminum alloys dimer in mimicked humid ambient. 2019 , 6, 045063		
364	Crowding effects of nanoparticles on energy absorption in solar absorption coatings. <i>Journal of Applied Physics</i> , 2019 , 125, 033103	2.5	10
363	Enhanced Second-Harmonic Generation from Fanlike Resonance in an Asymmetric Homodimer of Gold Elliptical Nanodisks. <i>ACS Omega</i> , 2019 , 4, 1757-1762	3.9	2
362	Colour and SERS patterning using core-satellite nanoassemblies. 2019 , 55, 1466-1469		3
361	Plasmonic Heating of Nanostructures. 2019 , 119, 8087-8130		177

360	Inelastic Light Scattering by Multiple Vibrational Modes in Individual Gold Nanodimers. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 14834-14841	3.8	6
359	Atomistic electrostatics simulations of plasmonic nanoparticles. <i>Journal Physics D: Applied Physics</i> , 2019 , 52, 363002	3	4
358	Floating SERS substrates of silver nanoparticles-graphene based nanosheets for rapid detection of biomolecules and clinical uremic toxins. 2019 , 576, 36-42		19
357	Direct Observation of Plasmon Band Formation and Delocalization in Quasi-Infinite Nanoparticle Chains. <i>Nano Letters</i> , 2019 , 19, 3854-3862	11.5	19
356	Linear acene molecules in plasmonic cavities: mapping evolution of optical absorption spectra and electric field intensity enhancements. 2019 , 43, 10774-10783		7
355	Hybridization of singular plasmons via transformation optics. 2019 , 116, 13785-13790		8
354	Characterizing Large-Scale Receptor Clustering on the Single Cell Level: A Comparative Plasmon Coupling and Fluorescence Superresolution Microscopy Study. 2019 , 123, 5494-5505		6
353	Hierarchical Assembly of Plasmonic Nanoparticle Heterodimer Arrays with Tunable Sub-5 nm Nanogaps. <i>Nano Letters</i> , 2019 , 19, 4314-4320	11.5	20
352	Real-Time TDDFT Investigation of Optical Absorption in Gold Nanowires. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 14734-14745	3.8	18
351	Comparison of Octahedral and Spherical Nanoparticles for Plasmonics. 2019 , 11, 1-6		2
350	Quantum plasmon excitations in gold-fullerene mixture films. 2019 , 30, 365001		2
349	Chemically modified nanofoci unifying plasmonics and catalysis. 2019 , 10, 5929-5934		6
348	AFM-Nano Manipulation of Plasmonic Molecules Used as "Nano-Lens" to Enhance Raman of Individual Nano-Objects. 2019 , 12,		10
347	Large-Area 3D Plasmonic Crescents with Tunable Chirality. <i>Advanced Optical Materials</i> , 2019 , 7, 18017708.1		12
346	Nonlocal effects in singular plasmonic metasurfaces. <i>Physical Review B</i> , 2019 , 99,	3.3	8
345	New coupling mechanism of titanium nitride nanosphere dimers at short separation distances. 2019 , 30, 335204		2
344	Molecular Sensing by SERS Using Entangled Nanofibers. 2019 , 795-823		
343	Increased electric field enhancement and broad wavelength tunability by plasmonic bow-tie nano-antenna based on fractal geometry with grid. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2019 , 35, 100705	2.6	4

342	Precision Plasmonics with Monomers and Dimers of Spherical Gold Nanoparticles: Nonequilibrium Dynamics at the Time and Space Limits. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 13181-13191	3.8	10
341	Quantum plasmonics get applied. 2019 , 65, 1-20		50
340	Optical resonance coupling in compositionally different nanocube-nanosphere heterodimers. 2019 , 43, 6959-6964		1
339	Enhancement of Nonlinear Optical Scattering by Gold Nanoparticles through Aggregation-Induced Plasmon Coupling in the Near-Infrared. 2019 , 20, 1765-1774		1
338	A novel modulation mechanism in plasmon-induced transparency waveguide. 2019 , 125, 34002		4
337	Tackling the Scalability Challenge in Plasmonics by Wrinkle-Assisted Colloidal Self-Assembly. 2019 , 35, 8629-8645		17
336	Empowered Layer Effects and Prominent Properties in Few-Layer Metasurfaces. <i>Advanced Optical Materials</i> , 2019 , 7, 1801477	8.1	32
335	High Density Static Charges Governed Surface Activation for Long-Range Motion and Subsequent Growth of Au Nanocrystals. 2019 , 9,		0
334	Electrically Driven Highly Tunable Cavity Plasmons. 2019 , 6, 823-829		15
333	Connecting Theory with Experiment to Understand the Sintering Processes of Ag Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 11310-11318	3.8	8
332	Optical properties of nanodisk heterodimers using quantum chemical calculations. 2019 , 111, 226-232		0
331	Al-In nanoparticles and their clusters as solar spectrum plasmonic resonators. 2019 , 242, 75-82		2
330	Competition between Depletion Effects and Coupling in the Plasmon Modulation of Doped Metal Oxide Nanocrystals. <i>Nano Letters</i> , 2019 , 19, 2012-2019	11.5	27
329	In-plane coherent control of plasmon resonances for plasmonic switching and encoding. 2019 , 8, 21		13
328	A Mechanical Sensor Using Hybridized Metamolecules. 2019 , 12,		
327	Terahertz multi-plasmon induced reflection and transmission and sensor devices in a graphene-based coupled nanoribbons resonators. 2019 , 440, 1-13		8
326	Heterodimers for in Situ Plasmonic Spectroscopy: Cu Nanoparticle Oxidation Kinetics, Kirkendall Effect, and Compensation in the Arrhenius Parameters. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 6284-6293	3.8	10
325	Multipole Radiations from Large Gold Nanospheres Excited by Evanescent Wave. 2019 , 9,		1

324	Surface Plasmon Coupling in Dimers of Gold Nanoparticles: Experiment and Theory for Ideal (Spherical) and Nonideal (Faceted) Building Blocks. 2019 , 6, 642-648		30
323	A Novel Design of Multilayered Bowtie Nano-Antenna for SERS Applications. 2019 ,		2
322	Ag Ion Soldering: An Emerging Tool for Sub-nanometric Plasmon Coupling and Beyond. 2019 , 52, 3442-3454		5
321	Investigating of LSPR spectra on a hybrid Fe3O4-Au within core-shell structure. 2019 , 1341, 082041		
320	Understanding plasmon coupling in nanoparticle dimers using molecular orbitals and configuration interaction. 2019 , 21, 23065-23075		6
319	A quantum mechanical study of optical excitations in nanodisk plasmonic oligomers. 2019 , 21, 26540-26548		0
318	Coupled Plasmon Modes in 2D Gold Nanoparticle Clusters and Their Effect on Local Temperature Control. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 30594-30603	3.8	16
317	Electrically Driven Optical Antennas Based on Template Dielectrophoretic Trapping. <i>ACS Nano</i> , 2019 , 13, 14041-14047	16.7	11
316	Independent engineering of individual plasmon modes in plasmonic dimers with conductive and capacitive coupling. 2019 , 9, 623-632		9
315	Self-assembly of spherical and rod-shaped nanoparticles with full positional control. 2019 , 11, 22841-22848		11
314	SERS and plasmonic heating efficiency from anisotropic core/satellite superstructures. 2019 , 11, 17655-17663		37
313	Manipulating the confinement of electromagnetic field in size-specific gold nanoparticles dimers and trimers.. 2019 , 9, 42145-42154		9
312	Colloidal Self-Assembly Concepts for Plasmonic Metasurfaces. <i>Advanced Optical Materials</i> , 2019 , 7, 1800864		72
311	Optimization of 1D Plasmonic Grating of Nanostructured Devices for the Investigation of Plasmonic Bandgap. <i>Plasmonics</i> , 2019 , 14, 775-783	2.4	4
310	Virtual Plasmonic Dimers for Ultrasensitive Inspection of Cluster Surface Coupling. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 1379-1388	3.8	3
309	Simultaneous Imaging and Selective Photothermal Therapy through Aptamer-Driven Au Nanosphere Clustering. 2019 , 10, 183-188		14
308	Symmetry Breaking-Induced Plasmonic Mode Splitting in Coupled Gold-Silver Alloy Nanodisk Array for Ultrasensitive RGB Colorimetric Biosensing. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 2273-2281	9.5	19
307	All-Metal Resonant Metamaterials for One-, Two-, Three-Band Perfect Light Absorbers and Sensors. <i>Plasmonics</i> , 2019 , 14, 967-971	2.4	10

306	Near-field energy transfer between nanoparticles modulated by coupled multipolar modes. <i>Physical Review B</i> , 2019 , 99,	3.3	16
305	From localized to delocalized plasmonic modes, first observation of superradiant scattering in disordered semi-continuous metal films. 2019 , 30, 015706		4
304	Coupled plasmon in the rounded Ag hexagonal nanoplate dimer. 2019 , 180, 884-893		
303	From active plasmonic devices to plasmonic molecular electronics. 2019 , 68, 607-619		12
302	Surface plasmon amplification in refractory transition metal nitrides based nanoparticle dimers. 2019 , 433, 89-96		18
301	Asymptotic approximations for the plasmon resonances of nearly touching spheres. 2020 , 31, 246-276		2
300	Whole-exome sequencing identified compound heterozygous variants in ROR2 gene in a fetus with Robinow syndrome. 2020 , 34, e23074		8
299	Ultra-sharp Plasmonic Super-cavity Resonance and Light Absorption. <i>Plasmonics</i> , 2020 , 15, 11-19	2.4	3
298	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2020 , 14, 28-117	16.7	1000
297	Dual-Electromagnetic Field Enhancements through Suspended Metal/Dielectric/Metal Nanostructures and Plastic Phthalates Detection in Child Urine. <i>Advanced Optical Materials</i> , 2020 , 8, 1901305	8.1	8
296	MiR-22 restrains proliferation of rheumatoid arthritis by targeting IL6R and may be concerned with the suppression of NF- κ B pathway. 2020 , 36, 20-26		8
295	Miniaturized fractal optical nanoantennas defined by focused helium ion beam milling. 2020 , 31, 075301		4
294	Addressing the plasmonic hotspot region by site-specific functionalization of nanostructures. <i>Nanoscale Advances</i> , 2020 , 2, 394-400	5.1	9
293	Unveiling the effect of electron tunneling on the plasmonic resonance of closely spaced gold particles. 2020 , 22, 1747-1755		
292	Controlling spontaneous emission with dielectric optical antennas. 2020 , 109-144		1
291	Quantum Plasmonics in Nanorods: A Time-Dependent Orbital-Free Density Functional Theory Study with Thousands of Atoms. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 945-951	3.8	6
290	Plasmonic sensors with an ultra-high figure of merit. 2020 , 31, 115208		16
289	Fundamental limits of hot carrier injection from metal in nanoplasmonics. 2020 , 9, 453-471		45

288	Photo-induced electron transfer between a metal nanoparticle and a collection of molecular emitters. 2020 , 758, 137905		2
287	TD-DFTB study of optical properties of silver nanoparticle homodimers and heterodimers. <i>Journal of Chemical Physics</i> , 2020 , 153, 144711	3-9	5
286	Surface Plasmon Resonances in Sierpinski-Like Photonic Crystal Fibers: Polarization Filters and Sensing Applications. 2020 , 25,		2
285	Plasmons in two-dimensional lattices of near-field coupled nanoparticles. <i>Physical Review B</i> , 2020 , 102,	3-3	6
284	Near-field plasmonics of gold nanoparticles in dielectric media. 2020 , 254, 107207		1
283	Effects of Aspect Ratio Heterogeneity of an Assembly of Gold Nanorod on Localized Surface Plasmon Resonance. 2020 , 11, 5972-5979		7
282	Nanoplasmonic Arrays with High Spatial Resolutions, Quality, and Throughput for Quantitative Detection of Molecular Analytes. 2020 ,		2
281	Plasmon-Induced Optical Magnetism in an Ultrathin Metal Nanosphere-Based Dimer-on-Film Nanocavity. 2020 , 14, 2000068		14
280	Plasmonic Assemblies for Real-Time Single-Molecule Biosensing. 2020 , 16, e2003934		14
279	Hyperbolic Optical Metamaterials from Shear-Aligned Block Copolymer Cylinder Arrays. 2020 , 1, 2000037		3
278	CoreShell Nanocuboid Dimers with Nanometric Gaps. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 18690-18897		2
277	Coupling theory of quasinormal modes for lossy and dispersive plasmonic nanoresonators. <i>Physical Review B</i> , 2020 , 102,	3-3	7
276	Recent developments of colorimetric mechanical sensors based on polymer composites. 2020 , 8, 12036-12053		18
275	Nanoplasmonic Nanorods/Nanowires from Single to Assembly: Syntheses, Physical Mechanisms and Applications. 2020 , 20, 1043-1073		2
274	Super- and Subradiant Lattice Resonances in Bipartite Nanoparticle Arrays. <i>ACS Nano</i> , 2020 , 14, 11876-11887		21
273	Spectroscopic properties of neodymium doped magnesium zinc sulfophosphate glass: Synergistic effects of titanium and silver nanoparticles embedment. 2020 , 109, 110266		2
272	Facile preparation of nanoparticle based SERS substrates for trace molecule detection. 2020 , 22, 21139-21146		6
271	Wire resonator as a broadband Huygens superscatterer. <i>Physical Review B</i> , 2020 , 102,	3-3	8

270	Observation of Fano resonance in silver nanocube-nanosphere dimer. 2020 , 94, 1		0
269	Electron energy-loss spectroscopy of surface plasmon activity in wrinkled gold structures. <i>Journal of Chemical Physics</i> , 2020 , 153, 224703	3.9	2
268	Plasmonic modes in cylindrical nanoparticles and dimers. 2020 , 476, 20200530		2
267	Highly efficient unidirectional forward scattering induced by resonant interference in a metal-dielectric heterodimer. 2020 , 12, 22289-22297		7
266	Strongly coupled evenly divided disks: a new compact and tunable platform for plasmonic Fano resonances. 2020 , 31, 325202		2
265	Sensing Biomarkers with Plasmonics. 2020 , 92, 7373-7381		20
264	Constructing a library of metal and metal-oxide nanoparticle heterodimers through colloidal assembly. 2020 , 12, 11297-11305		3
263	Block Copolymer Derived Vertically Coupled Plasmonic Arrays for Surface-Enhanced Raman Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 23410-23416	9.5	13
262	Plasmonic Resonances in Ag-Au Nanosphere Heterodimers: How Accurate Are the Approximate Analytical Descriptions?. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 13858-13871	3.8	1
261	The tunable optical properties and characterization of plasmon mode of single nanoparticle-plane antenna. 2020 , 52, 1		
260	Parahydrophobic 3D nanohybrid substrates with two pathways of molecular enrichment and multilevel plasmon hybridization. 2020 , 320, 128357		7
259	Colloidal Assembly and Active Tuning of Coupled Plasmonic Nanospheres. 2020 , 2, 593-608		18
258	Plasmon-triggered living photopolymerization for elaboration of hybrid polymer/metal nanoparticles. <i>Materials Today</i> , 2020 , 40, 38-47	21.8	11
257	Design of a multilayer nano-antenna as a hyperbolic metamaterial with Fano response for optical sensing. 2020 , 52, 1		5
256	Strong-field nano-optics. 2020 , 92,		51
255	Further enhancement of the near-field on Au nanogap dimers using quasi-dark plasmon modes. <i>Journal of Chemical Physics</i> , 2020 , 152, 104706	3.9	7
254	Describing Meta-Atoms Using the Exact Higher-Order Polarizability Tensors. 2020 , 7, 1153-1162		21
253	DNA-Modulated Plasmon Resonance: Methods and Optical Applications. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 14741-14760	9.5	14

- 252 Theory of Optical Coupling Effects Among Surfactant Au Nanoparticles Films. *Plasmonics*, **2020**, 15, 1243-1250 2
- 251 Highly localized characterization of protein structure and interaction by surface-enhanced Raman scattering. **2020**, 529-551
- 250 Electromagnetic resonance analysis of asymmetric carbon nanotube dimers for sensing applications. **2020**, 31, 425501 1
- 249 Emerging Dirac materials for THz plasmonics. **2020**, 20, 100732 6
- 248 Discrete pH-Responsive Plasmonic Actuators via Site-Selective Encoding of Nanoparticles with DNA Triple Helix Motif. **2020**, 1, 100080 2
- 247 Modified plasmonic response of dimer nanoantennas with nonlocal effects: From near-field enhancement to optical force. **2020**, 245, 106878 5
- 246 Simulation guided design of silver nanostructures for plasmon-enhanced fluorescence, singlet oxygen generation and SERS applications. **2020**, 22, 5673-5687 38
- 245 Humic Acid Functionalized - Silver Nanoparticles as Nanosensor for Colorimetric Detection of Copper (II) Ions in Aqueous Solutions. **2020**, 831, 142-150 2
- 244 Refractive index mediated plasmon hybridization in an array of aluminium nanoparticles. **2020**, 12, 6394-6402 11
- 243 Resonance phenomena in electromagnetic metamaterials for the terahertz domain: a review. **2020**, 34, 1314-1337 6
- 242 Selective excitation and enhancement of multipolar resonances in dielectric nanospheres using cylindrical vector beams. *Journal of Applied Physics*, **2020**, 127, 033101 2.5 12
- 241 Collective resonance in helical superstructures of gold nanorods. *Physical Review B*, **2020**, 101, 3-3 3
- 240 Plasmon lifetime enhancement in a bright-dark mode coupled system. *Physical Review B*, **2020**, 101, 3-3 7
- 239 Spectral absorption control of femtosecond laser-treated metals and application in solar-thermal devices. **2020**, 9, 14 37
- 238 Multipolar Resonances of Ag Nanoparticle Arrays in Anodic Aluminum Oxide Nanochannels for Enhanced Hot Spot Intensity and Signal-to-Background Ratio in Surface-Enhanced Raman Scattering. **2020**, 3, 4477-4485 2
- 237 Coupling effects in dielectric metamaterials. **2020**, 17, 103038 3
- 236 Optomechanical Collective Effects in Surface-Enhanced Raman Scattering from Many Molecules. **2020**, 7, 1676-1688 9
- 235 Perspektiven gekoppelter organisch-anorganischer Nanostrukturen für Ladungs- und Energietransferanwendungen. **2021**, 133, 1168-1194

234	Prospects of Coupled Organic-Inorganic Nanostructures for Charge and Energy Transfer Applications. 2021 , 60, 1152-1175		20
233	Long-range surface plasmon enhanced Raman spectroscopy at highly damping platinum electrodes. 2021 , 52, 420-430		2
232	Endothermic reaction at room temperature enabled by deep-ultraviolet plasmons. 2021 , 20, 346-352		8
231	Robust phase transfer, 3D-assembly and SERS application of multi-shaped gold nanoparticles. 2021 , 42, 824-834		
230	Optical Hot Spot Generation by the Plasmonic Coupling of Au Nanoparticles in the Nanospaces of Mesoporous Titanium(IV) Oxide. 2021 , 37, 1838-1842		1
229	Assembling gold nanobipyramids into chiral plasmonic nanostructures with DNA origami. 2021 , 57, 6201-6204	4	
228	Gold nanoplasmonic particles in tunable porous silicon 3D scaffolds for ultra-low concentration detection by SERS. 2021 , 6, 781-790		4
227	Plasmonic Nanostructures for Photothermal Conversion. 2021 , 1, 2000055		26
226	Casimir-Induced Instabilities at Metallic Surfaces and Interfaces. 2021 , 126, 046802		0
225	Intracellular optical probing with gold nanostars. 2021 , 13, 968-979		11
224	Double-Resonant Plasmonic Molecule: Enhanced Vibrational Induced Scattering Modulation. 2021 , 27, 1-8		
223	Curvature-Dependent Cavity-Nanoparticle Scaffold-Based Clusters with LSPR Enhancement as SERS Substrates. <i>Plasmonics</i> , 2021 , 16, 1231-1239	2.4	1
222	Hybrid modes in a single thermally excited asymmetric dimer antenna. 2021 , 46, 981-984		1
221	Ultra-high-Q resonances in plasmonic metasurfaces. 2021 , 12, 974		63
220	Scattering of electromagnetic waves by two crossing metallic single-walled carbon nanotubes of finite length. <i>Physical Review B</i> , 2021 , 103,	3.3	4
219	Localized Surface Plasmonic Properties of Au and Ag Nanoparticles for Sensors: a Review. <i>Plasmonics</i> , 2021 , 16, 981-999	2.4	19
218	Insight on the Coupling of Plasmonic Nanoparticles from Near-Field Spectra Determined via Discrete Dipole Approximations. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 5260-5268	3.8	2
217	Mark Stockman: Evangelist for Plasmonics. 2021 , 8, 683-698		1

216	Chiral Dielectric Metasurfaces for Highly Integrated, Broadband Circularly Polarized Antenna. 2021 , 21,		2
215	Spin Emitters beyond the Point Dipole Approximation in Nanomagnonic Cavities. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 6222-6228	3.8	5
214	Perspective Quasi-Babinet Complementary Plasmonic Templates: A Platform to Perform Spectroelectrochemistry. 2021 , 10, 035005		3
213	Klein scattering of spin-1 Dirac-Weyl wave and localized surface plasmon. 2021 , 3,		1
212	Recent Advances in Clusteroluminescence. 2021 , 379, 14		10
211	Enhanced optical asymmetry in supramolecular chiroplasmonic assemblies with long-range order. 2021 , 371, 1368-1374		66
210	Vibrations of Dimers of Mechanically Coupled Nanostructures: Analytical and Numerical Modeling. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 8339-8348	3.8	3
209	Direct Laser Writing for the Formation of Large-Scale Gold Microbumps Arrays Generating Hybrid Lattice Plasmon Polaritons in Vis-NIR Range. <i>Advanced Optical Materials</i> , 2021 , 9, 2100027	8.1	1
208	Label-Free Detection and Self-Aggregation of Amyloid β Peptides Based on Plasmonic Effects Induced by Ag Nanoparticles: Implications in Alzheimer's Disease Diagnosis. 2021 , 4, 3565-3575		2
207	Multilayered L-shaped nanoantenna arrays with an increased electric field enhancement. 2021 , 38, 1604		1
206	Structural color from a coupled nanowire pair beyond the bonding and antibonding model. 2021 , 8, 464		4
205	Understanding the Effect of Symmetry Breaking on Plasmon Coupling from TDDFT. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 12198-12206	3.8	2
204	Nanoscale field enhancement of a close-packed nanoparticle cluster. 2021 , 129, 114670		0
203	A plasmonic biosensor array exploiting plasmon coupling between gold nanorods and spheres for domoic acid detection via two methods. 2021 , 252, 119473		1
202	Circular Dichroism of Gold Bipyramid Dimers. 2021 , 12, 5208-5213		3
201	Reflections on Mark Stockman and his contributions to nano-optics: guest editorial. 2021 , 11, 1575		
200	Nonlinear Circular Dichroism in Mie-Resonant Nanoparticle Dimers. <i>Nano Letters</i> , 2021 , 21, 4381-4387	11.5	11
199	Excitation Conditions for Surface-Enhanced Hyper Raman Scattering With Biocompatible Gold Nanosubstrates. 2021 , 9, 680905		0

198	Lower limits for the homogenization of periodic metamaterials made from electric dipolar scatterers. <i>Physical Review B</i> , 2021 , 103,	3.3	3
197	The Beginner's Guide to Chiral Plasmonics: Mostly Harmless Theory and the Design of Large-Area Substrates. <i>Advanced Optical Materials</i> , 2021 , 9, 2100378	8.1	16
196	Chiro-optical response of a wafer scale metamaterial with ellipsoidal metal nanoparticles. 2021 , 32,		0
195	Metallic Plasmonic Array Structures: Principles, Fabrications, Properties, and Applications. <i>Advanced Materials</i> , 2021 , e2007988	24	21
194	Plasmonic dye-sensitized solar cells through collapsible gold nanofingers. 2021 , 32,		1
193	Near-field and far-field studies of single and double sub- λ -sized infrared plasmonic nano-antennas. 2021 ,		
192	Correlative microscopy of single self-assembled nanorod dimers for refractometric sensing. <i>Journal of Chemical Physics</i> , 2021 , 155, 044701	3.9	1
191	Plasmons compressing the light λ jewel in the treasure chest of Mark Stockman's legacy. 2021 ,		0
190	Elevated surface plasmon resonance sensing sensitivity of Au-covered silica sphere monolayer prepared by Langmuir-Blodgett coating. 2021 , 99, 179-186		1
189	Graphene-integrated hybridized metamaterials for wide-angle tunable THz absorbers. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2021 , 45, 100924	2.6	3
188	Using Micro-Raman Spectroscopy to Investigate Chemical Composition, Mixing States, and Heterogeneous Reactions of Individual Atmospheric Particles. 2021 , 55, 10243-10254		4
187	Mechanically Tunable Nanogap Antennas: Single-Structure Effects and Multi-Structure Applications. <i>Advanced Optical Materials</i> , 2021 , 9, 2100326	8.1	3
186	Emission Manipulation by DNA Origami-Assisted Plasmonic Nanoantennas. <i>Advanced Optical Materials</i> , 2021 , 9, 2100848	8.1	1
185	Plasmonic sphere-cube nano dimer for silicon solar cells power absorbance enhancement. 2021 , 53, 1		0
184	Influence of Nuclear Localization Sequences on the Intracellular Fate of Gold Nanoparticles. <i>ACS Nano</i> , 2021 , 15, 14838-14849	16.7	3
183	Gap-Dependent Surface-Enhanced Raman Scattering (SERS) Enhancement Model of SERS Substrate-Probe Combination Using a Polyelectrolyte Nanodroplet as a Distance Controller. 2021 , 37, 10776-10785		3
182	Plasmon Couplings from Subsystem Time-Dependent Density Functional Theory. 2021 , 125, 7246-7259		3
181	Strain-Induced Modulation of Localized Surface Plasmon Resonance in Ultrathin Hexagonal Gold Nanoplates. <i>Advanced Materials</i> , 2021 , 33, e2100653	24	2

180	Fano resonance for applications. 2021 , 13, 703		8
179	Composite Structure of Ag Colloidal Particles and Au Sinusoidal Nanograting with Large-Scale Ultra-High Field Enhancement for SERS Detection. <i>Photonics</i> , 2021 , 8, 415	2.2	1
178	Broadband tunable perfect absorber with high absorptivity based on double layer graphene. 2021 , 11, 3398		1
177	PlasmonExciton Interactions: Spontaneous Emission and Strong Coupling. 2100889		15
176	Quality factor of plasmonic monopartite and bipartite surface lattice resonances. <i>Physical Review B</i> , 2021 , 104,	3.3	0
175	Optothermal properties of plasmonic inorganic nanoparticles for photoacoustic applications. 2021 , 23, 100281		6
174	Metasurface-Driven Optically Variable Devices. 2021 , 121, 13013-13050		26
173	Tailoring Plasmonics of Au@Ag Nanoparticles by Silica Encapsulation. <i>Advanced Optical Materials</i> , 2101281		1
172	Tuneable interplay of plasmonic and molecular excitations in self-assembled silver - fullerene nanocomposites. 2021 , 184, 34-42		0
171	Electronic and thermal transfer actuating memory catalysis for organic removal by a plasmonic photocatalyst. 2022 , 427, 132028		4
170	Advances in multi-dimensional super-resolution nonlinear optical microscopy. 2021 , 6, 1964378		1
169	Nanoelectromechanical modulation of a strongly-coupled plasmonic dimer. 2021 , 12, 48		13
168	Ideal Dimers of Gold Nanospheres for Precision Plasmonics: Synthesis and Characterization at the Single-Particle Level for Identification of Higher Order Modes. 2018 , 14, 1702754		37
167	Photonic Molecules and Spectral Engineering. 2010 , 393-421		19
166	Plasmonic Coupling Effects in Arrays of Noble Metal Nanoparticles. 2019 , 285-320		2
165	Chirality in Nature and Science. 2017 , 5-42		1
164	Fabrication, Properties and Applications of Plasmene Nanosheet. 2017 , 109-136		1
163	Deep-Ultraviolet Surface-Enhanced Raman Scattering. 2015 , 145-158		1

162	Plasmonics with a Twist: Taming Optical Tornadoes on the Nanoscale. 2013 , 431-461		2
161	Cluster-assembled devices for solar energy conversion. 2020 , 15, 59-86		1
160	Charge Transfer Plasmons in Dimeric Electron Clusters. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 12645-12654		5
159	Theoretical Analysis of Optical Absorption Spectra of Parallel Nanowire Dimers and Dolmen Trimers. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 13495-13507	3.8	2
158	Strong Photon-Molecule Coupling Fields for Chemical Reactions. 228-255		1
157	Transmission of a plasmon E-field through carbon nanotube walls. 2006 , 1, 9		3
156	Vertical pillar nanoantenna for emission enhancement and redirection. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 045301	3	2
155	Plasmonic enhancement of a silicon-vacancy center in a nanodiamond crystal. 2017 , 1,		7
154	Influence of a planar metal nanoparticle assembly on the optical response of a quantum emitter. 2020 , 2,		3
153	Transformation optics from macroscopic to nanoscale regimes: a review. 2019 , 1, 1		18
152	Quantum plasmonics: new opportunity in fundamental and applied photonics. 2018 , 10, 703		72
151	Influence of the CTAB surfactant layer on optical properties of single metallic nanospheres. 2019 , 36, C78-C84		8
150	Quantum plasmonics of metal nanoparticles. 2019 , 36, 323		7
149	Coupling phenomena and collective effects in resonant meta-atoms supporting both plasmonic and (opto-)magnetic functionalities: an overview on properties and applications [Invited]. 2019 , 36, E112		17
148	Coupled plasmonic graphene wires: theoretical study including complex frequencies and field distributions of bright and dark surface plasmons. 2020 , 37, 3084		2
147	Analyzing bowtie structures with sharp tips by a vertical mode expansion method. <i>Optics Express</i> , 2018 , 26, 32346-32352	3.3	2
146	Correlation of circular differential optical absorption with geometric chirality in plasmonic meta-atoms. <i>Optics Express</i> , 2019 , 27, 5097-5115	3.3	7
145	Hybrid slot-waveguide fed antenna using hexagonal boron nitride D'yakonov polaritons. <i>Optics Express</i> , 2019 , 27, 9115-9127	3.3	6

144	Plasmon resonances in coupled Babinet complementary arrays in the mid-infrared range. <i>Optics Express</i> , 2019 , 27, 22939-22950	3-3	8
143	Plasmon-hybridization-induced optical torque between twisted metal nanorods. <i>Optics Express</i> , 2020 , 28, 2398-2410	3-3	2
142	Chromaticity-tunable white random lasing based on a microfluidic channel. <i>Optics Express</i> , 2020 , 28, 13576-13585	3-3	5
141	Second-harmonic generation from subwavelength metal heterodimers. <i>Optics Express</i> , 2020 , 28, 31468-31479	3-3	2
140	Label-free biomechanical nanosensor based on LSPR for biological applications. 2020 , 10, 1264		3
139	Broad range electric field enhancement of a plasmonic nanosphere heterodimer. 2020 , 10, 1704		8
138	Highly-symmetrical plasmonic nanoantenna for fluorescence enhancement and polarization preservation of arbitrarily oriented fluorophore. 2018 , 8, 3770		3
137	Ultrafast quantum photonics enabled by coupling plasmonic nanocavities to strongly radiative antennas. 2020 , 7, 463		31
136	Quantum versus optical interaction contribution to giant spectral splitting in a strongly coupled plasmon-molecules system. <i>Photonics Research</i> , 2020 , 8, 343	6	4
135	Subwavelength negative-index waveguiding enabled by coupled spoof magnetic localized surface plasmons. <i>Photonics Research</i> , 2019 , 7, 274	6	12
134	A flexible platform for controlled optical and electrical effects in tailored plasmonic break junctions. 2020 , 9, 1391-1400		6
133	Dynamic tuning of enhanced intrinsic circular dichroism in plasmonic stereo-metamolecule array with surface lattice resonance. 2020 , 9, 3419-3434		11
132	Temporal plasmonics: Fano and Rabi regimes in the time domain in metal nanostructures. 2020 , 9, 3587-3595		10
131	Al-Au Heterogeneous Dimer-trimer Nanostructure for SERS. 2020 , 10, 21-28		1
130	Functional Charge Transfer Plasmon Metadevices. 2020 , 2020, 9468692		15
129	Gold Shell Nanocluster Networks in Designing Four-Branch (1 $\bar{4}$) Y-Shape Optical Power Splitters. 2014 , 18, 274-282		1
128	All-dielectric Mie-resonant metaphotonics. 2020 , 21, 425-442		3
127	Properties of localized surface plasmon resonance of gold nanoshell pairs. 2012 , 61, 097805		9

126	Review on surface plasmonic coupling systems and their applications in spectra enhancement. 2019 , 68, 147304	5
125	Materials design of vertically coupled plasmonic arrays. <i>Nanoscale Advances</i> ,	5.1 2
124	Modulation of Circular Dichroism in Plasmonic Nanocomplex: The Interplay Between Symmetry Breaking and Interaction. <i>Plasmonics</i> , 1	2.4
123	Tip Coupling and Array Effects of Gold Nanoantennas in Near-Field Microscopy.	3
122	2008 , 178, 875	3
121	Coupled-Mode Theory of Plasmonic Field Enhancement in Complex Metal Nanostructures. 2010 ,	
120	Plasmon-Assisted Spectroscopy and Photochemistry at Well-Defined Metal-molecular Interfaces. 2011 , 5, A0040	
119	Results and Discussion. 2012 , 63-205	
118	Theory. 2012 , 7-54	
117	Recent Advances in Nearfield Optical Analysis and Description of Amorphous Metamaterials. 2013 , 169-200	
116	Tuning surface plasmons in nanorod arrays with ultrasmall spacing. 2013 , 62, 237806	
115	Finite difference time domain simulation of optical properties of annular cavity arrays. 2015 , 64, 227301	
114	Shaping two-photon absorption in a disorder coupling gold nanorod assembly. 2016 ,	
113	Analysis of Plasmonic Structures by Spectroscopic Ellipsometry. 2016 , 208-239	
112	Physical chemistry of Nanogap-Enhanced Raman Scattering (NERS). 2017 ,	
111	Exploring plasmonic nanoantenna arrays as a platform for biosensing. 2017 ,	
110	Far-field super-resolution imaging based on wideband stereo-metalens. 2018 , 67, 094101	1
109	SERS of Methylene Blue induced by plasmonic coupled nanoparticle arrays. 2018 ,	

108	Far-field super-resolution scanning imaging based on fractal resonator. 2019 , 68, 244102	
107	Absorption and scattering coefficients for metallic nanospheres near a substrate. 2019 , 2, 279	
106	Surface Plasmon Resonance. 2020 , 61-115	
105	New hybridization coupling mechanism and enhanced sensitivity in a CuS@Au nanoparticle dimer. 2020 , 31, 365501	0
104	Classical Electrodynamics of Solids. 2020 , 13-49	0
103	Induced higher order multipolar resonances from interacting scatterers. 2021 , 38, 241	0
102	Simple model for the nonlinear optical response of dimer-doped waveguides. 2021 , 38, 17	2
101	Problems in Electrostatic Approximation. 2020 , 31-93	
100	Nanorod Dimer-Based Optical Fiber Plasmonic Sensor. 2020 , 325-332	
99	Resonant states and their role in nanophotonics.	3
98	Ultrafast Plasmon Dynamics in Asymmetric Gold Nanodimers.	0
97	Broad range electric field enhancement of a plasmonic nanosphere heterodimer. 2020 , 10, 1704	0
96	Near-field enhancement in oxidized close gap aluminum dimers. 2021 , 32, 025305	1
95	Extreme renormalisations of dimer eigenmodes by strong light-matter coupling. 2020 , 22, 103001	2
94	Optical properties of a nanorod heterodimer: a quasi-static analysis. 2020 , 37, A293	2
93	Tuning the optical and magneto-optical properties in core-shell structured Fe@Ag nanoparticles. 2020 , 11, 045008	0
92	Spectrographic analysis of zinc-sulfate-magnesium-phosphate glass containing neodymium ions: Impact of silver-gold nanoparticles plasmonic coupling. 2022 , 242, 118571	0
91	Core-satellite assembly of gold nanoshells on solid gold nanoparticles for a color coding plasmonic nanosensor. 2021 ,	0

90	Localised plasmonic hybridisation mode optical fibre sensing of relative humidity.. 2022 , 353, 131157		1
89	Nanostructured Surfaces as Plasmonic Biosensors: A Review. 2101133		6
88	Giant chiroptical response of twisted metal nanorods due to strong plasmon coupling.		0
87	Strong coupling in two-dimensional materials-based nanostructures: a review. 2022 , 24, 024009		5
86	Comparing the nature of quantum plasmonic excitations for closely spaced silver and gold dimers.. <i>Journal of Chemical Physics</i> , 2022 , 156, 074102	3.9	2
85	Double-Resonant Nanostructured Gold Surface for Multiplexed Detection.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	2
84	Study on the nonlocal effects in dimers of circular and elliptical cross-sections. 2022 , 61, 015003		
83	Nanoplasmonics: Fundamentals and Recent Developments. 2022 ,		
82	Core-cap heterodimer independent of polarization direction of excitation light. 2022 , 71, 037801		
81	Widefield SERS for High-Throughput Nanoparticle Screening.		
80	Widefield SERS for High-Throughput Nanoparticle Screening.. 2022 ,		2
79	Atomic-scale control of plasmon modes in graphene nanoribbons. <i>Physical Review B</i> , 2022 , 105,	3.3	1
78	A theoretical study of broadband extraordinary optical transmission in gold plasmonic square nanohole arrays and its application on refractive index sensor. 2022 , 54, 1		0
77	Optical nanocavities.		
76	Sub-1.5 nm-gapped heterodimeric plasmonic nanomolecules.		2
75	AuNU dimers on ITO substrate with the highest refractive index sensitivity as chemical sensor. <i>IEEE Sensors Journal</i> , 2022 , 1-1	4	
74	Chemical and Physical Properties of Photonic Noble-metal Nanomaterials.. <i>Advanced Materials</i> , 2021 , e2108104	24	1
73	Surface Plasmon Resonance Properties of Silver Nanocrystal Superlattices Spaced by Polystyrene Ligands. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 4948-4958	3.8	0

72	Understanding Quantum Plasmonic Enhancement in Nanorod Dimers from Time-Dependent Orbital-Free Density Functional Theory. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 5046-5054	3.8	1
71	Omnidirectional nonreciprocal absorber realized by the magneto-optical hypercrystal.. <i>Optics Express</i> , 2022 , 30, 12104-12119	3.3	4
70	Plasmonic Nanomaterials for Colorimetric Biosensing: A Review. <i>Chemosensors</i> , 2022 , 10, 136	4	2
69	Dimers of gold-silver core-shell nanospheres: the effect of interparticle gap on the refractive index sensitivity and extinction spectrum. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2022 , 101023	2.6	0
68	Periodic metal resonator chains for surface enhanced Raman scattering (SERS). <i>Journal of Applied Physics</i> , 2021 , 130, 223104	2.5	0
67	Collective Phonon-Polaritonic Modes in Silicon Carbide Subarrays.. <i>ACS Nano</i> , 2021 ,	16.7	4
66	Nonlocal and nonadiabatic Pauli potential for time-dependent orbital-free density functional theory. <i>Physical Review B</i> , 2021 , 104,	3.3	0
65	Plasmon-induced excitation energy transfer in silver nanoparticle dimers: A real-time TDDFTB investigation.. <i>Journal of Chemical Physics</i> , 2022 , 156, 154705	3.9	1
64	A systematic study of Surface Plasmon Enhanced Electric Field in Nanoparticle Dimers for UV Plasmonics. <i>Macromolecular Symposia</i> , 2022 , 402, 2100365	0.8	
63	A study of the optical resonances of various nanostructured silver systems with cylindrical symmetry. 2022 , 18, 239-251		
62	Gold nanoparticle ring arrays from core-satellite nanostructures made to order by hydrogen bond interactions. <i>Nanoscale Advances</i> ,	5.1	
61	Quantum surface effects in the electromagnetic coupling between a quantum emitter and a plasmonic nanoantenna: time-dependent density functional theory vs. semiclassical Feibelman approach. <i>Optics Express</i> ,	3.3	1
60	Optoelectronic Neural Interfaces Based on Quantum Dots.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	2
59	Near- and Far-Field Plasmonic Enhancement by Asymmetric Nanosphere Heterodimers. <i>Plasmonics</i> , 1	2.4	0
58	A comparison study of the Born-Kuhn model and the finite-difference-time-domain calculations on stacked plasmonic nanorods. <i>Journal Physics D: Applied Physics</i> ,	3	
57	Scattering imaging of biomolecules with metallic nanoparticles: localization precision, imaging speed, and multicolor imaging capability. <i>Optical Review</i> ,	0.9	
56	Exploring nano-optical excitations coupling with fast electrons techniques. <i>Advances in Imaging and Electron Physics</i> , 2022 ,	0.2	
55	Plasmonics Studies for Molecular Scale Optoelectronics. <i>Lecture Notes in Nanoscale Science and Technology</i> , 2022 , 121-170	0.3	

54	Tailoring Magnetic Dipole Emission by Significantly Coupling to Magnetic Plasmonic Anapole States. <i>Photonics Research</i> ,	6	
53	Investigation of Plasmonic-Enhanced Solar Photothermal Effect of Au NR@PVDF Micro-/Nanofilms. <i>ACS Omega</i> , 2022 , 7, 20750-20760	3.9	
52	A thin-film broadband perfect absorber based on plasmonic copper nanoparticles. <i>Micro and Nano Engineering</i> , 2022 , 100154	3.4	0
51	Optical Sensing by Metamaterials and Metasurfaces: From Physics to Biomolecule Detection. <i>Advanced Optical Materials</i> , 2200500	8.1	1
50	Diverse bio-sensing and therapeutic applications of plasmon enhanced nanostructures. <i>Materials Today</i> , 2022 ,	21.8	2
49	Heterogeneous Nanoplasmonic Amplifiers for Photocatalysis Application: A Theoretical Study. <i>Catalysts</i> , 2022 , 12, 771	4	1
48	Cylindrical Al Nano-Dimer Induced Polarization in Deep UV Region. <i>Nanoscale Research Letters</i> , 2022 , 17,	5	0
47	Hot carrier photocatalysis using bimetallic Au@Pt hemispherical core-shell nanoislands. <i>Journal of Materials Science: Materials in Electronics</i> ,	2.1	
46	Molybdenum Oxide Functional Passivation of Aluminum Dimers for Enhancing Optical-Field and Environmental Stability. <i>Photonics</i> , 2022 , 9, 523	2.2	
45	Mechanically interlocked gold nanocatenanes. 2022 , 1, 649-657		1
44	Patterning Gold Nanorod Assemblies by Deep-UV Lithography. 2022 , 126, 13729-13738		
43	Self-Assembled Au Nanoparticle Monolayers on Silicon in Two- and Three-Dimensions for Surface-Enhanced Raman Scattering Sensing. 2022 , 5, 11839-11851		0
42	Surface Plasmon Resonance. 2022 , 63-118		0
41	Multifaceted ligand design facilitates chemical- or peptide-mediated linking of hollow gold nanoshells with tuned interparticle distance, interference and cytotoxicities. 2022 , 3, 7272-7284		0
40	Hyperspectral dark field optical microscopy for orientational imaging of a single plasmonic nanocube using a physics-based learning method. 2022 , 4, 4094-4101		0
39	Scalable-Manufactured Plasmonic Metamaterial with Omnidirectional Absorption Bandwidth across Visible to Far-Infrared. 2207239		1
38	Exciton resonances for atomically-thin optics. 2022 , 132, 091102		0
37	Collapsed nanofingers by DNA functionalization as SERS platform for mercury ions sensing.		0

- 36 Plasmonic and thermoplasmonic properties of asymmetric hexagonal nano-ring dimer. **2022**, 54, 0
- 35 Inverse DVD-R grating structured SPR sensor platform with high sensitivity and figure of merit. **2022**, 0
- 34 Plasmonic phenomena in molecular junctions: principles and applications. **2022**, 6, 681-704 3
- 33 Coupling-Induced Tunable Broadband Superradiance in 2D Metal-Dielectric-Metal Nanocavity Arrays. 2200393 0
- 32 A novel plasmonic coupling mechanism in non-aligned metallic nanorod homodimers. 0
- 31 Spectral exploration of asymmetric bowtie nanoantennas. **2022**, 100166 0
- 30 Mechanically tunable metasurface with large gamut of color: Lateral hybrid system. **2022**, 132, 133102 0
- 29 Hot Electron-Driven Photocatalysis Using Sub-5 nm Gap Plasmonic Nanofinger Arrays. **2022**, 12, 3730 1
- 28 Origin of Rapid Coalescence and Active Unstable Fluctuation of Au Nanoparticles under TEM Observation: Electron Bombardment Versus Charge Buildup. 0
- 27 Core@satellite@satellite hierarchical nanostructures: assembly, plasmon coupling, and gap-selective surface-enhanced Raman scattering. 0
- 26 Plasmonic properties of aluminium nanowires in amorphous silicon. 0
- 25 Fabrication of gold nanoparticles tethered in heat-cooled calf thymus-deoxyribonucleic acid Langmuir-Blodgett film as effective surface-enhanced Raman scattering sensing platform. 10, 0
- 24 Study on the enhancement mechanism of luminescent performance of Ag structures on the surface of nano-giant topological luminophor. **2022**, 271, 170184 0
- 23 Perspectives and Fabrication Challenges for Plasmon Based SERS Substrates. **2022**, 0
- 22 Elliptically Polarized Plasmon Resonances for Optical Polarization and Phase Control. 0
- 21 Particle Size-Dependent Onset of the Tunneling Regime in Ideal Dimers of Gold Nanospheres. 0
- 20 Analysis of dephasing time of plasmonic hybridization modes using a quasi-normal mode method. **2023**, 40, 178 0
- 19 Parametric optical rectification due to near-field interaction between nanosized metallic domains. 0

- 18 The Influence of Geometry on Plasmonic Resonances in Surface- and Tip-Enhanced Raman Spectroscopy. ○
- 17 Optical Enhancement by Gold Nanoring-Nanodisk Plasmonic Structures for Light Sensing Applications. **2022**, 33, 112-117 ○
- 16 Metallic nanoparticle-based nano-inks for chemical and biological sensing. **2023**, 561-578 ○
- 15 Large-Area, Ultrahigh-Enhancement, and Array-Type Hot Spots in Plasmonic Nanocube Dimer-on-Film Nanocavity. ○
- 14 Tailoring the directional dependent emitter interaction based plasmonic antenna character of Ag/Au heterodimer. **2023**, 162, 109254 ○
- 13 Optical Processes behind Plasmonic Applications. **2023**, 13, 1270 ○
- 12 Potential Regulation for Surface-Enhanced Raman Scattering Detection and Identification of Carotenoids. **2023**, 95, 3363-3370 ○
- 11 Strongly Coupled Plasmon and Phonon Polaritons as Seen by Photon and Electron Probes. **2023**, 19, ○
- 10 Dark and bright modes, and their coherent control in dipolar metasurface bilayers. **2023**, 107, ○
- 9 Tuning Light-Matter Interactions with Mid-Infrared Plasmonic Coaxial Apertures. **2023**, 1, 771-778 ○
- 8 Angle-resolved plasmonic photocapacitance of gold nanorod dimers. **2023**, 5, 1943-1955 ○
- 7 Integrated Plasmonic Gold Nanoparticle Dimer Array for Sustainable Solar Water Disinfection. **2023**, 6, 5568-5577 ○
- 6 Numerical study of magneto-optical binding between two dipolar particles under illumination by two counter-propagating waves. 5, ○
- 5 Tailoring Iridescent Visual Appearance with Disordered Resonant Metasurfaces. **2023**, 17, 6362-6372 ○
- 4 How Colloidal Lithography Limits the Optical Quality of Plasmonic Nanohole Arrays. **2023**, 39, 5222-5229 ○
- 3 Excellent physical durability and enhanced Fano absorption of SPR sensor platform based on Au-covered silica sphere monolayer. ○
- 2 Polarization-selective nanogold absorber by twisted stacking. ○
- 1 Spin-coated Ag NPs SERS substrate: trace detection study of methylene blue and melamine. **2023**, 129, ○

