

Luis Liz-Marzn

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561
papers

59,300
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127
h-index

225
g-index

611
ext. papers

65,401
ext. citations

10.6
avg, IF

8.21
L-index

#	Paper	IF	Citations
561	Directed self-assembly of nanoparticles. <i>ACS Nano</i> , 2010 , 4, 3591-605	16.7	1713
560	Gold nanorods: Synthesis, characterization and applications. <i>Coordination Chemistry Reviews</i> , 2005 , 249, 1870-1901	23.2	1640
559	Synthesis of Nanosized GoldSilica CoreShell Particles. <i>Langmuir</i> , 1996 , 12, 4329-4335	4	1595
558	Shape control in gold nanoparticle synthesis. <i>Chemical Society Reviews</i> , 2008 , 37, 1783-91	58.5	1571
557	Tailoring surface plasmons through the morphology and assembly of metal nanoparticles. <i>Langmuir</i> , 2006 , 22, 32-41	4	1313
556	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2020 , 14, 28-117	16.7	1000
555	Modelling the optical response of gold nanoparticles. <i>Chemical Society Reviews</i> , 2008 , 37, 1792-805	58.5	924
554	Catalysis by metallic nanoparticles in aqueous solution: model reactions. <i>Chemical Society Reviews</i> , 2012 , 41, 5577-87	58.5	842
553	Oleylamine in Nanoparticle Synthesis. <i>Chemistry of Materials</i> , 2013 , 25, 1465-1476	9.6	818
552	Mapping surface plasmons on a single metallic nanoparticle. <i>Nature Physics</i> , 2007 , 3, 348-353	16.2	818
551	LSPR-based nanobiosensors. <i>Nano Today</i> , 2009 , 4, 244-251	17.9	748
550	Diverse Applications of Nanomedicine. <i>ACS Nano</i> , 2017 , 11, 2313-2381	16.7	714
549	Recent progress on silica coating of nanoparticles and related nanomaterials. <i>Advanced Materials</i> , 2010 , 22, 1182-95	24	613
548	Synthesis of Silver Nanoprisms in DMF. <i>Nano Letters</i> , 2002 , 2, 903-905	11.5	591
547	High-yield synthesis and optical response of gold nanostars. <i>Nanotechnology</i> , 2008 , 19, 015606	3.4	537
546	Optical Properties of Thin Films of 2 Particles. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 3441-3452	3.4	535
545	Electric-Field-Directed Growth of Gold Nanorods in Aqueous Surfactant Solutions. <i>Advanced Functional Materials</i> , 2004 , 14, 571-579	15.6	504

544	Formation of PVP-Protected Metal Nanoparticles in DMF. <i>Langmuir</i> , 2002 , 18, 2888-2894	4	481
543	Zeptomol detection through controlled ultrasensitive surface-enhanced Raman scattering. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4616-8	16.4	479
542	Formation and Stabilization of Silver Nanoparticles through Reduction by N,N-Dimethylformamide. <i>Langmuir</i> , 1999 , 15, 948-951	4	459
541	Nanometals. <i>Materials Today</i> , 2004 , 7, 26-31	21.8	424
540	Monodisperse gold nanotriangles: size control, large-scale self-assembly, and performance in surface-enhanced Raman scattering. <i>ACS Nano</i> , 2014 , 8, 5833-42	16.7	407
539	Silica encapsulation of quantum dots and metal clusters. <i>Journal of Materials Chemistry</i> , 2000 , 10, 1259-1270		385
538	Controlled Method for Silica Coating of Silver Colloids. Influence of Coating on the Rate of Chemical Reactions. <i>Langmuir</i> , 1998 , 14, 3740-3748	4	385
537	Gold nanorods 3D-supercrystals as surface enhanced Raman scattering spectroscopy substrates for the rapid detection of scrambled prions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 8157-61	11.5	383
536	Tuning size and sensing properties in colloidal gold nanostars. <i>Langmuir</i> , 2010 , 26, 14943-50	4	378
535	Layer-by-Layer Assembled Mixed Spherical and Planar Gold Nanoparticles: Control of Interparticle Interactions. <i>Langmuir</i> , 2002 , 18, 3694-3697	4	376
534	SERS-based diagnosis and biodetection. <i>Small</i> , 2010 , 6, 604-10	11	355
533	Plasmonic nanosensors with inverse sensitivity by means of enzyme-guided crystal growth. <i>Nature Materials</i> , 2012 , 11, 604-7	27	350
532	Silica-Coating and Hydrophobation of CTAB-Stabilized Gold Nanorods. <i>Chemistry of Materials</i> , 2006 , 18, 2465-2467	9.6	347
531	Composite Silica Spheres with Magnetic and Luminescent Functionalities. <i>Advanced Functional Materials</i> , 2006 , 16, 509-514	15.6	346
530	Colloidal silver nanoplates. State of the art and future challenges. <i>Journal of Materials Chemistry</i> , 2008 , 18, 1724		341
529	Multilayer Assemblies of Silica-Encapsulated Gold Nanoparticles on Decomposable Colloid Templates. <i>Advanced Materials</i> , 2001 , 13, 1090-1094	24	339
528	Nanostars shine bright for you: Colloidal synthesis, properties and applications of branched metallic nanoparticles. <i>Current Opinion in Colloid and Interface Science</i> , 2011 , 16, 118-127	7.6	319
527	Seeded growth of submicron Au colloids with quadrupole plasmon resonance modes. <i>Langmuir</i> , 2006 , 22, 7007-10	4	316

526	N,N-Dimethylformamide as a Reaction Medium for Metal Nanoparticle Synthesis. <i>Advanced Functional Materials</i> , 2009 , 19, 679-688	15.6	314
525	Anisotropic metal nanoparticles for surface enhanced Raman scattering. <i>Chemical Society Reviews</i> , 2017 , 46, 3866-3885	58.5	311
524	Deposition of Silver Nanoparticles on Silica Spheres by Pretreatment Steps in Electroless Plating. <i>Chemistry of Materials</i> , 2001 , 13, 1630-1633	9.6	305
523	One-Pot Synthesis of Ag@TiO ₂ CoreShell Nanoparticles and Their Layer-by-Layer Assembly. <i>Langmuir</i> , 2000 , 16, 2731-2735	4	299
522	Alignment of carbon nanotubes under low magnetic fields through attachment of magnetic nanoparticles. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 19060-3	3.4	293
521	Anisotropic Noble Metal Nanocrystal Growth: The Role of Halides. <i>Chemistry of Materials</i> , 2014 , 26, 34-43	3.6	290
520	Intense optical activity from three-dimensional chiral ordering of plasmonic nanoantennas. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 5499-503	16.4	289
519	Spatially-directed oxidation of gold nanoparticles by Au(III)-CTAB complexes. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 14257-61	3.4	289
518	Stabilization of CdS semiconductor nanoparticles against photodegradation by a silica coating procedure. <i>Chemical Physics Letters</i> , 1998 , 286, 497-501	2.5	280
517	Silica coating of silver nanoparticles using a modified Stober method. <i>Journal of Colloid and Interface Science</i> , 2005 , 283, 392-6	9.3	276
516	Reduction and Stabilization of Silver Nanoparticles in Ethanol by Nonionic Surfactants. <i>Langmuir</i> , 1996 , 12, 3585-3589	4	276
515	Atomic-scale determination of surface facets in gold nanorods. <i>Nature Materials</i> , 2012 , 11, 930-5	27	268
514	Direct observation of chemical reactions in silica-coated gold and silver nanoparticles. <i>Advanced Materials</i> , 1997 , 9, 570-575	24	268
513	Au@pNIPAM colloids as molecular traps for surface-enhanced, spectroscopic, ultra-sensitive analysis. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 138-43	16.4	263
512	Effects of elastic anisotropy on strain distributions in decahedral gold nanoparticles. <i>Nature Materials</i> , 2008 , 7, 120-4	27	263
511	Traps and cages for universal SERS detection. <i>Chemical Society Reviews</i> , 2012 , 41, 43-51	58.5	262
510	On the temperature stability of gold nanorods: comparison between thermal and ultrafast laser-induced heating. <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 814-21	3.6	260
509	Light Concentration at the Nanometer Scale. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 2428-2434	6.4	258

508	Hydrophobic interactions modulate self-assembly of nanoparticles. <i>ACS Nano</i> , 2012 , 6, 11059-65	16.7	257
507	Size tunable Au@Ag core-shell nanoparticles: synthesis and surface-enhanced Raman scattering properties. <i>Langmuir</i> , 2013 , 29, 15076-82	4	255
506	The Assembly of Coated Nanocrystals□ <i>Journal of Physical Chemistry B</i> , 2003 , 107, 7312-7326	3.4	255
505	Mechanism of Strong Luminescence Photoactivation of Citrate-Stabilized Water-Soluble Nanoparticles with CdSe Cores. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 15461-15469	3.4	254
504	A "Tips and Tricks" Practical Guide to the Synthesis of Gold Nanorods. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 4270-9	6.4	251
503	From individual to collective chirality in metal nanoparticles. <i>Nano Today</i> , 2011 , 6, 381-400	17.9	245
502	Nanorod-coated PNIPAM microgels: thermoresponsive optical properties. <i>Small</i> , 2007 , 3, 1222-9	11	240
501	Encapsulation and Growth of Gold Nanoparticles in Thermoresponsive Microgels. <i>Advanced Materials</i> , 2008 , 20, 1666-1670	24	234
500	Preparation and Properties of Silica-Coated Cobalt Nanoparticles□ <i>Journal of Physical Chemistry B</i> , 2003 , 107, 7420-7425	3.4	234
499	Optical Control and Patterning of Gold-Nanorod□Poly(vinyl alcohol) Nanocomposite Films. <i>Advanced Functional Materials</i> , 2005 , 15, 1065-1071	15.6	234
498	Controlled assembly of plasmonic colloidal nanoparticle clusters. <i>Nanoscale</i> , 2011 , 3, 1304-15	7.7	228
497	Detection and imaging of quorum sensing in <i>Pseudomonas aeruginosa</i> biofilm communities by surface-enhanced resonance Raman scattering. <i>Nature Materials</i> , 2016 , 15, 1203-1211	27	222
496	Formation of Silver Nanoprisms with Surface Plasmons at Communication Wavelengths. <i>Advanced Functional Materials</i> , 2006 , 16, 766-773	15.6	220
495	All-in-one optical heater-thermometer nanoplatfom operative from 300 to 2000 k based on Er(3+) emission and blackbody radiation. <i>Advanced Materials</i> , 2013 , 25, 4868-74	24	219
494	Stable hydrosols of metallic and bimetallic nanoparticles immobilized on imogolite fibers. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 15120-15128		217
493	Aligning Au nanorods by using carbon nanotubes as templates. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 4375-8	16.4	216
492	Binary cooperative complementary nanoscale interfacial materials. Reduction of silver nanoparticles in DMF. Formation of monolayers and stable colloids. <i>Pure and Applied Chemistry</i> , 2000 , 72, 83-90	2.1	214
491	SERS detection of small inorganic molecules and ions. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11214-23	16.4	210

490	Towards low-cost flexible substrates for nanoplasmonic sensing. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 5288-300	3.6	209
489	Recent approaches toward creation of hot spots for SERS detection. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2014 , 21, 2-25	16.4	207
488	Stimuli-responsive self-assembly of nanoparticles. <i>Chemical Society Reviews</i> , 2019 , 48, 1342-1361	58.5	198
487	In vivo formation of protein corona on gold nanoparticles. The effect of their size and shape. <i>Nanoscale</i> , 2018 , 10, 1256-1264	7.7	198
486	Inorganic nanoparticles for biomedicine: where materials scientists meet medical research. <i>Materials Today</i> , 2016 , 19, 19-28	21.8	196
485	Surface Enhanced Raman Scattering Using Star-Shaped Gold Colloidal Nanoparticles \square <i>Journal of Physical Chemistry C</i> , 2010 , 114, 7336-7340	3.8	195
484	Synthesis and Characterization of Iron/Iron Oxide Core/Shell Nanocubes. <i>Advanced Functional Materials</i> , 2007 , 17, 3870-3876	15.6	194
483	Gemini-surfactant-directed self-assembly of monodisperse gold nanorods into standing superlattices. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 9484-8	16.4	192
482	The state of nanoparticle-based nanoscience and biotechnology: progress, promises, and challenges. <i>ACS Nano</i> , 2012 , 6, 8468-83	16.7	188
481	High-Yield Seeded Growth of Monodisperse Pentatwinned Gold Nanoparticles through Thermally Induced Seed Twinning. <i>Journal of the American Chemical Society</i> , 2017 , 139, 107-110	16.4	182
480	Size Effects in ZnO: The Cluster to Quantum Dot Transition. <i>Australian Journal of Chemistry</i> , 2003 , 56, 1051	1.2	179
479	Multicolor luminescence patterning by photoactivation of semiconductor nanoparticle films. <i>Journal of the American Chemical Society</i> , 2003 , 125, 2830-1	16.4	178
478	Optical sensing of biological, chemical and ionic species through aggregation of plasmonic nanoparticles. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 7460	7.1	177
477	Femtosecond laser reshaping yields gold nanorods with ultranarrow surface plasmon resonances. <i>Science</i> , 2017 , 358, 640-644	33.3	176
476	Highly controlled silica coating of PEG-capped metal nanoparticles and preparation of SERS-encoded particles. <i>Langmuir</i> , 2009 , 25, 13894-9	4	176
475	Fingers Crossed: Optical Activity of a Chiral Dimer of Plasmonic Nanorods. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 846-51	6.4	174
474	Quantitative determination of the size dependence of surface plasmon resonance damping in single Ag@SiO(2) nanoparticles. <i>Nano Letters</i> , 2009 , 9, 3463-9	11.5	173
473	Evidence of an aggregative mechanism during the formation of silver nanowires in N,N-dimethylformamide. <i>Journal of Materials Chemistry</i> , 2004 , 14, 607-610		173

472	Sensing using plasmonic nanostructures and nanoparticles. <i>Nanotechnology</i> , 2015 , 26, 322001	3.4	169
471	Pen-on-paper approach toward the design of universal surface enhanced Raman scattering substrates. <i>Small</i> , 2014 , 10, 3065-71	11	164
470	Gold Nanoparticle Plasmonic Superlattices as Surface-Enhanced Raman Spectroscopy Substrates. <i>ACS Nano</i> , 2018 , 12, 8531-8539	16.7	162
469	Direct coating of gold nanoparticles with silica by a seeded polymerization technique. <i>Journal of Colloid and Interface Science</i> , 2003 , 264, 385-90	9.3	162
468	Surfactant (bi)layers on gold nanorods. <i>Langmuir</i> , 2012 , 28, 1453-9	4	158
467	Surface-enhanced Raman scattering biomedical applications of plasmonic colloidal particles. <i>Journal of the Royal Society Interface</i> , 2010 , 7 Suppl 4, S435-50	4.1	157
466	Control of Packing Order of Self-Assembled Monolayers of Magnetite Nanoparticles with and without SiO ₂ Coating by Microwave Irradiation. <i>Langmuir</i> , 1998 , 14, 6430-6435	4	155
465	Gold nanoparticle-loaded filter paper: a recyclable dip-catalyst for real-time reaction monitoring by surface enhanced Raman scattering. <i>Chemical Communications</i> , 2015 , 51, 4572-5	5.8	154
464	Guiding Rules for Selecting a Nanothermometer. <i>Nano Today</i> , 2018 , 19, 126-145	17.9	153
463	Catalysis by [email[protected]] Nanocomposites: Effect of the Cross-Linking Density. <i>Chemistry of Materials</i> , 2010 , 22, 3051-3059	9.6	152
462	Tuning Gold Nanorod Synthesis through Prereduction with Salicylic Acid. <i>Chemistry of Materials</i> , 2013 , 25, 4232-4238	9.6	151
461	Gold nanoparticle thin films. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002 , 202, 119-126	5.1	151
460	Cellular Uptake of Nanoparticles versus Small Molecules: A Matter of Size. <i>Accounts of Chemical Research</i> , 2018 , 51, 2305-2313	24.3	151
459	Identification of the optimal spectral region for plasmonic and nanoplasmonic sensing. <i>ACS Nano</i> , 2010 , 4, 349-57	16.7	150
458	Reduced graphene oxide-supported gold nanostars for improved SERS sensing and drug delivery. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 21798-805	9.5	149
457	Size-dependent surface plasmon resonance broadening in nonspherical nanoparticles: single gold nanorods. <i>Nano Letters</i> , 2013 , 13, 2234-40	11.5	147
456	Reshaping, Fragmentation, and Assembly of Gold Nanoparticles Assisted by Pulse Lasers. <i>Accounts of Chemical Research</i> , 2016 , 49, 678-86	24.3	147
455	Synthesis of flexible, ultrathin gold nanowires in organic media. <i>Langmuir</i> , 2008 , 24, 9855-60	4	146

454	Redox Catalysis Using [email[protected]] ² Colloids. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 6770-6773 ^{3,4}	146
453	Carbon nanotubes as templates for one-dimensional nanoparticle assemblies. <i>Journal of Materials Chemistry</i> , 2006 , 16, 22-25	145
452	SERS-active gold lace nanoshells with built-in hotspots. <i>Nano Letters</i> , 2010 , 10, 4013-9	11.5 142
451	Modern Applications of Plasmonic Nanoparticles: From Energy to Health. <i>Advanced Optical Materials</i> , 2015 , 3, 602-617	8.1 140
450	Environmental applications of plasmon assisted Raman scattering. <i>Energy and Environmental Science</i> , 2010 , 3, 1011	35.4 140
449	Aerobic synthesis of cu nanoplates with intense plasmon resonances. <i>Small</i> , 2009 , 5, 440-3	11 140
448	Organized plasmonic clusters with high coordination number and extraordinary enhancement in surface-enhanced Raman scattering (SERS). <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 12688-93	16.4 137
447	Biogenic synthesis of metallic nanoparticles and prospects toward green chemistry. <i>Dalton Transactions</i> , 2015 , 44, 9709-17	4.3 136
446	Au@pNIPAM Thermosensitive Nanostructures: Control over Shell Cross-linking, Overall Dimensions, and Core Growth. <i>Advanced Functional Materials</i> , 2009 , 19, 3070-3076	15.6 136
445	Homogeneous silica coating of vitreophobic colloids. <i>Chemical Communications</i> , 1996 , 731-732	5.8 135
444	Design of SERS-encoded, submicron, hollow particles through confined growth of encapsulated metal nanoparticles. <i>Journal of the American Chemical Society</i> , 2009 , 131, 2699-705	16.4 133
443	Influence of the Medium Refractive Index on the Optical Properties of Single Gold Triangular Prisms on a Substrate. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 3-7	3.8 132
442	Layer-by-Layer Assembly of Multiwall Carbon Nanotubes on Spherical Colloids. <i>Chemistry of Materials</i> , 2005 , 17, 3268-3272	9.6 132
441	The crystalline structure of gold nanorods revisited: evidence for higher-index lateral facets. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9397-400	16.4 131
440	Water-based ferrofluids from FexPt1-x nanoparticles synthesized in organic media. <i>Langmuir</i> , 2004 , 20, 6946-50	4 130
439	Theoretical description of the role of halides, silver, and surfactants on the structure of gold nanorods. <i>Nano Letters</i> , 2014 , 14, 871-5	11.5 129
438	Drastic Surface Plasmon Mode Shifts in Gold Nanorods Due to Electron Charging. <i>Plasmonics</i> , 2006 , 1, 61-66	2.4 129
437	A versatile approach for the preparation of thermosensitive PNIPAM core-shell microgels with nanoparticle cores. <i>ChemPhysChem</i> , 2006 , 7, 2298-301	3.2 129

436	The Future of Layer-by-Layer Assembly: A Tribute to ACS Nano Associate Editor Helmut M. Böwald. <i>ACS Nano</i> , 2019 , 13, 6151-6169	16.7	127
435	Opto-thermoelectric nanotweezers. <i>Nature Photonics</i> , 2018 , 12, 195-201	33.9	127
434	Sol-Gel Processing of Silica-Coated Gold Nanoparticles. <i>Langmuir</i> , 2001 , 17, 6375-6379	4	127
433	Physicochemical properties of protein-coated gold nanoparticles in biological fluids and cells before and after proteolytic digestion. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 4179-83	16.4	126
432	Au@Ag Nanoparticles: Halides Stabilize {100} Facets. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 2209-2216	12.16	126
431	Detection of amyloid fibrils in Parkinson's disease using plasmonic chirality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 3225-3230	11.5	124
430	Solution processed polydimethylsiloxane/gold nanostar flexible substrates for plasmonic sensing. <i>Nanoscale</i> , 2014 , 6, 9817-23	7.7	123
429	Monitoring galvanic replacement through three-dimensional morphological and chemical mapping. <i>Nano Letters</i> , 2014 , 14, 3220-6	11.5	122
428	Surface Enhanced Raman Scattering Encoded Gold Nanostars for Multiplexed Cell Discrimination. <i>Chemistry of Materials</i> , 2016 , 28, 6779-6790	9.6	121
427	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
426	Highly uniform SERS substrates formed by wrinkle-confined drying of gold colloids. <i>Chemical Science</i> , 2010 , 1, 174	9.4	119
425	Modulation of Localized Surface Plasmons and SERS Response in Gold Dumbbells through Silver Coating. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 10417-10423	3.8	118
424	Chemical sharpening of gold nanorods: the rod-to-octahedron transition. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 8983-7	16.4	117
423	Plasmonic polymer nanocomposites. <i>Nature Reviews Materials</i> , 2018 , 3, 375-391	73.3	117
422	Intracellular mapping with SERS-encoded gold nanostars. <i>Integrative Biology (United Kingdom)</i> , 2011 , 3, 922-6	3.7	116
421	Silica-Coated Plasmonic Metal Nanoparticles in Action. <i>Advanced Materials</i> , 2018 , 30, e1707003	24	116
420	Magnetic (Hyper)Thermia or Photothermia? Progressive Comparison of Iron Oxide and Gold Nanoparticles Heating in Water, in Cells, and In Vivo. <i>Advanced Functional Materials</i> , 2018 , 28, 1803660	15.6	114
419	Unveiling nanometer scale extinction and scattering phenomena through combined electron energy loss spectroscopy and cathodoluminescence measurements. <i>Nano Letters</i> , 2015 , 15, 1229-37	11.5	113

418	Influence of Iodide Ions on the Growth of Gold Nanorods: Tuning Tip Curvature and Surface Plasmon Resonance. <i>Advanced Functional Materials</i> , 2008 , 18, 3780-3786	15.6	112
417	Hierarchical self-assembly of gold nanoparticles into patterned plasmonic nanostructures. <i>ACS Nano</i> , 2014 , 8, 10694-703	16.7	111
416	Loading of exponentially grown LBL films with silver nanoparticles and their application to generalized SERS detection. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 5326-9	16.4	111
415	Binary self-assembly of gold nanowires with nanospheres and nanorods. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9985-9	16.4	111
414	Multiresponsive hybrid colloids based on gold nanorods and poly(NIPAM-co-allylactic acid) microgels: temperature- and pH-tunable plasmon resonance. <i>Langmuir</i> , 2009 , 25, 3163-7	4	110
413	Optical Properties of Platinum-Coated Gold Nanorods. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 6183-6188	3.8	110
412	Influence of silver ions on the growth mode of platinum on gold nanorods. <i>Journal of Materials Chemistry</i> , 2006 , 16, 3946-3951		110
411	Optical properties of metal nanoparticle coated silica spheres: a simple effective medium approach. <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 5056-5060	3.6	110
410	Janus plasmonic-magnetic gold-iron oxide nanoparticles as contrast agents for multimodal imaging. <i>Nanoscale</i> , 2017 , 9, 9467-9480	7.7	109
409	Gold nanoparticle conjugates: recent advances toward clinical applications. <i>Expert Opinion on Drug Delivery</i> , 2014 , 11, 741-52	8	109
408	Metal nanoparticles and supramolecular macrocycles: a tale of synergy. <i>Chemistry - A European Journal</i> , 2014 , 20, 10874-83	4.8	108
407	Plasmon coupling in layer-by-layer assembled gold nanorod films. <i>Langmuir</i> , 2007 , 23, 4606-11	4	108
406	Coated Colloids with Tailored Optical Properties. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 10990-10994	3.4	108
405	The effect of surface roughness on the plasmonic response of individual sub-micron gold spheres. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 5909-14	3.6	107
404	Enhancement of third-order nonlinear optical susceptibilities in silica-capped Au nanoparticle films with very high concentrations. <i>Applied Physics Letters</i> , 2004 , 84, 4938-4940	3.4	107
403	Light-Directed Reversible Assembly of Plasmonic Nanoparticles Using Plasmon-Enhanced Thermophoresis. <i>ACS Nano</i> , 2016 , 10, 9659-9668	16.7	106
402	Controlled Living Nanowire Growth: Precise Control over the Morphology and Optical Properties of AgAuAg Bimetallic Nanowires. <i>Nano Letters</i> , 2015 , 15, 5427-37	11.5	105
401	Rabi Splitting in Photoluminescence Spectra of Hybrid Systems of Gold Nanorods and J-Aggregates. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 354-62	6.4	104

400	Toward ultimate nanoplasmonics modeling. <i>ACS Nano</i> , 2014 , 8, 7559-70	16.7	104
399	The relevance of light in the formation of colloidal metal nanoparticles. <i>Chemical Society Reviews</i> , 2014 , 43, 2089-97	58.5	104
398	Templated Growth of Surface Enhanced Raman Scattering-Active Branched Gold Nanoparticles within Radial Mesoporous Silica Shells. <i>ACS Nano</i> , 2015 , 9, 10489-97	16.7	103
397	Modeling the Optical Response of Highly Faceted Metal Nanoparticles with a Fully 3D Boundary Element Method. <i>Advanced Materials</i> , 2008 , 20, 4288-4293	24	103
396	Enzymatic etching of gold nanorods by horseradish peroxidase and application to blood glucose detection. <i>Nanoscale</i> , 2014 , 6, 7405-9	7.7	102
395	Cancer Cell Internalization of Gold Nanostars Impacts Their Photothermal Efficiency In Vitro and In Vivo: Toward a Plasmonic Thermal Fingerprint in Tumoral Environment. <i>Advanced Healthcare Materials</i> , 2016 , 5, 1040-8	10.1	100
394	Low-fouling poly(N-vinyl pyrrolidone) capsules with engineered degradable properties. <i>Biomacromolecules</i> , 2009 , 10, 2839-46	6.9	99
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