

Luis Liz-Marzn

List of Publications by Year in Descending Order

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Version: 2024-04-25

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

561
papers

59,300
citations

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	Correlation between Spectroscopic and Mechanical Properties of Gold Nanocrystals under Pressure. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 1982-1990	3.8	1
560	Prospects of Surface-Enhanced Raman Spectroscopy for Biomarker Monitoring toward Precision Medicine.. <i>ACS Photonics</i> , 2022 , 9, 333-350	6.3	7
559	Bioresponsive, Electroactive, and Inkjet-Printable Graphene-Based Inks. <i>Advanced Functional Materials</i> , 2022 , 32, 2105028	15.6	5
558	Template-assisted self-assembly of achiral plasmonic nanoparticles into chiral structures.. <i>Chemical Science</i> , 2022 , 13, 595-610	9.4	11
557	Macroporous Silica Foams Fabricated via Soft Colloid Templating.. <i>Small Methods</i> , 2022 , e2101491	12.8	0
556	Nano and Plants. <i>ACS Nano</i> , 2022 , 16, 1681-1684	16.7	14
555	Quantification of the Helical Morphology of Chiral Gold Nanorods. 2022 , 4, 642-649		1
554	3D printed scaffolds: Challenges toward developing relevant cellular in vitro models. <i>Biomaterials and Biosystems</i> , 2022 , 6, 100044		
553	Kinetic Regulation of the Synthesis of Pentatwinned Gold Nanorods below Room Temperature. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 23937-23944	3.8	2
552	On the Stiffness of Gold at the Nanoscale. <i>ACS Nano</i> , 2021 ,	16.7	2
551	Nanocomposite Scaffolds for Monitoring of Drug Diffusion in Three-Dimensional Cell Environments by Surface-Enhanced Raman Spectroscopy. <i>Nano Letters</i> , 2021 , 21, 8785-8793	11.5	5
550	Evaluation of Multifunctional Gold Nanorods for Boron Neutron Capture and Photothermal Therapies. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 49589-49601	9.5	4
549	Mechanically Tunable Lattice-Plasmon Resonances by Templated Self-Assembled Superlattices for Multi-Wavelength Surface-Enhanced Raman Spectroscopy (Small Methods 10/2021). <i>Small Methods</i> , 2021 , 5, 2170050	12.8	1
548	Metal Nanoparticles/MoS Surface-Enhanced Raman Scattering-Based Sandwich Immunoassay for Fetoprotein Detection. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 8823-8831	9.5	11
547	Controlled Alloying of Au@Ag CoreShell Nanorods Induced by Femtosecond Laser Irradiation. <i>Advanced Optical Materials</i> , 2021 , 9, 2002134	8.1	4
546	Can Copper Nanostructures Sustain High-Quality Plasmons?. <i>Nano Letters</i> , 2021 , 21, 2444-2452	11.5	16
545	X-ray-Based Techniques to Study the Nano-Bio Interface. <i>ACS Nano</i> , 2021 , 15, 3754-3807	16.7	18

544	Preventing Memory Effects in Surface-Enhanced Raman Scattering Substrates by Polymer Coating and Laser-Activated Deprotection. <i>ACS Nano</i> , 2021 , 15, 8984-8995	16.7	9
543	Tailored nanoscale plasmon-enhanced vibrational electron spectroscopy. <i>Microscopy and Microanalysis</i> , 2021 , 27, 320-321	0.5	
542	The Influence of Size, Shape, and Twin Boundaries on Heat-Induced Alloying in Individual Au@Ag Core-Shell Nanoparticles. <i>Small</i> , 2021 , 17, e2102348	11	1
541	Light-Driven Catalytic Regulation of Enzymes at the Interface with Plasmonic Nanomaterials. <i>Biochemistry</i> , 2021 , 60, 991-998	3.2	5
540	SERSTEM: An app for the statistical analysis of correlative SERS and TEM imaging and evaluation of SERS tags performance. <i>Journal of Raman Spectroscopy</i> , 2021 , 52, 355-365	2.3	1
539	Mechanistic Insights into the Light-Driven Catalysis of an Immobilized Lipase on Plasmonic Nanomaterials. <i>ACS Catalysis</i> , 2021 , 11, 414-423	13.1	8
538	Discrete metal nanoparticles with plasmonic chirality. <i>Chemical Society Reviews</i> , 2021 , 50, 3738-3754	58.5	26
537	Mechanically Tunable Lattice-Plasmon Resonances by Templated Self-Assembled Superlattices for Multi-Wavelength Surface-Enhanced Raman Spectroscopy.. <i>Small Methods</i> , 2021 , 5, e2100453	12.8	6
536	Templated Colloidal Self-Assembly for Lattice Plasmon Engineering. <i>Accounts of Materials Research</i> , 2021 , 2, 816-827	7.5	10
535	Nd-Doped Lanthanum Oxochloride Nanocrystals as Nanothermometers. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 19887-19896	3.8	1
534	SERS monitoring of local pH in encapsulated therapeutic cells. <i>Nanoscale</i> , 2021 , 13, 14354-14362	7.7	3
533	Real-Time Reconstruction of Arbitrary Slices for Quantitative and In Situ 3D Characterization of Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2020 , 37, 2000073	3.1	9
532	Colloidal Superstructures with Triangular Cores: Size Effects on SERS Efficiency. <i>ACS Photonics</i> , 2020 , 7, 1839-1848	6.3	17
531	Shielded Silver Nanorods for Bioapplications. <i>Chemistry of Materials</i> , 2020 , 32, 5879-5889	9.6	13
530	Chirality of Liquid Crystals Formed from Achiral Molecules Revealed by Resonant X-Ray Scattering. <i>Advanced Materials</i> , 2020 , 32, e1905591	24	15
529	MnO Nanoparticles Embedded in Functional Polymers as T1 Contrast Agents for Magnetic Resonance Imaging. <i>ACS Applied Nano Materials</i> , 2020 , 3, 3787-3797	5.6	12
528	Plasmonic Sensing of Refractive Index and Density in Methanol/Ethanol Mixtures at High Pressure. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 8978-8983	3.8	7
527	Multiplex SERS Detection of Metabolic Alterations in Tumor Extracellular Media. <i>Advanced Functional Materials</i> , 2020 , 30, 1910335	15.6	32

526	Templated-Assembly of CsPbBr Perovskite Nanocrystals into 2D Photonic Supercrystals with Amplified Spontaneous Emission. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 17750-17756	16.4	44
525	Micelle-directed chiral seeded growth on anisotropic gold nanocrystals. <i>Science</i> , 2020 , 368, 1472-1477	33.3	78
524	SERS-based immunoassay for monitoring cortisol-related disorders. <i>Biosensors and Bioelectronics</i> , 2020 , 165, 112418	11.8	13
523	Template-basierte Herstellung von 2D-photonischen Superkristallen mit verstärkter spontaner Emission aus CsPbBr ₃ -Perowskit-Nanokristallen. <i>Angewandte Chemie</i> , 2020 , 132, 17903-17909	3.6	4
522	Reversible Control of Protein Corona Formation on Gold Nanoparticles Using Host-Guest Interactions. <i>ACS Nano</i> , 2020 , 14, 5382-5391	16.7	24
521	Janus Magnetic-Plasmonic Nanoparticles for Magnetically Guided and Thermally Activated Cancer Therapy. <i>Small</i> , 2020 , 16, e1904960	11	44
520	Using SERS Tags to Image the Three-Dimensional Structure of Complex Cell Models. <i>Advanced Functional Materials</i> , 2020 , 30, 1909655	15.6	24
519	Tailored Nanoscale Plasmon-Enhanced Vibrational Electron Spectroscopy. <i>Nano Letters</i> , 2020 , 20, 2973-2979	19	
518	Optimizing the Geometry of Photoacoustically Active Gold Nanoparticles for Biomedical Imaging. <i>ACS Photonics</i> , 2020 , 7, 646-652	6.3	29
517	Surfactant-Assisted Symmetry Breaking in Colloidal Gold Nanocrystal Growth. <i>ChemNanoMat</i> , 2020 , 6, 698-707	3.5	17
516	CTAB Stabilizes Silver on Gold Nanorods. <i>Chemistry of Materials</i> , 2020 , 32, 1650-1656	9.6	21
515	Oleylamine in Nanoparticle Synthesis* 2020 , 453-487		
514	Metal Nanoparticles and Supramolecular Macrocycles: A Tale of Synergy* 2020 , 537-561		
513	Controlled Assembly of Plasmonic Colloidal Nanoparticle Clusters* 2020 , 321-353		
512	Analysis of Quorum Sensing by Surface-Enhanced Raman Scattering Spectroscopy 2020 , 59-77		
511	In Situ Tracking of Colloidally Stable and Ordered Assemblies of Gold Nanorods. <i>Journal of the American Chemical Society</i> , 2020 , 142, 18814-18825	16.4	4
510	H-Bonding-mediated binding and charge reorganization of proteins on gold nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 4490-4500	3.6	11
509	Formation of Hollow Gold Nanocrystals by Nanosecond Laser Irradiation. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 670-677	6.4	13

508	Live-Cell Surface-Enhanced Raman Spectroscopy Imaging of Intracellular pH: From Two Dimensions to Three Dimensions. <i>ACS Sensors</i> , 2020 , 5, 3194-3206	9.2	18
507	SANS study of mixed cholesteric cellulose nanocrystal - gold nanorod suspensions. <i>Chemical Communications</i> , 2020 , 56, 13001-13004	5.8	6
506	Plasmon-Enhanced Optical Chirality through Hotspot Formation in Surfactant-Directed Self-Assembly of Gold Nanorods. <i>ACS Nano</i> , 2020 ,	16.7	19
505	Colloidal systems toward 3D cell culture scaffolds. <i>Advances in Colloid and Interface Science</i> , 2020 , 283, 102237	14.3	6
504	3D Characterization and Plasmon Mapping of Gold Nanorods Welded by Femtosecond Laser Irradiation. <i>ACS Nano</i> , 2020 , 14, 12558-12570	16.7	18
503	An Expanded Surface-Enhanced Raman Scattering Tags Library by Combinatorial Encapsulation of Reporter Molecules in Metal Nanoshells. <i>ACS Nano</i> , 2020 , 14, 14655-14664	16.7	6
502	Supramolecular Chirality Synchronization in Thin Films of Plasmonic Nanocomposites. <i>ACS Nano</i> , 2020 , 14, 12918-12928	16.7	17
501	Monitoring Chemical Reactions with SERS-Active Ag-Loaded Mesoporous TiO Films. <i>Analytical Chemistry</i> , 2020 , 92, 13656-13660	7.8	5
500	Titelbild: Template-basierte Herstellung von 2D-photonischen Superkristallen mit verstärkter spontaner Emission aus CsPbBr ₃ -Perowskit-Nanokristallen (Angew. Chem. 40/2020). <i>Angewandte Chemie</i> , 2020 , 132, 17457-17457	3.6	
499	Tuning Size and Seed Position in Small Silver Nanorods 2020 , 2, 1246-1250		6
498	3D-Printed Biocompatible Scaffolds with Built-In Nanoplasmonic Sensors. <i>Advanced Functional Materials</i> , 2020 , 30, 2005407	15.6	10
497	Plasmonic Nanoparticles with Supramolecular Recognition. <i>Advanced Functional Materials</i> , 2020 , 30, 1902082	15.6	36
496	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2020 , 14, 28-117	16.7	1000
495	Double Rabi Splitting in a Strongly Coupled System of Core-Shell Au@Ag Nanorods and J-Aggregates of Multiple Fluorophores. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 6137-6143	6.4	15
494	Stimuli-responsive self-assembly of nanoparticles. <i>Chemical Society Reviews</i> , 2019 , 48, 1342-1361	58.5	198
493	The Future of Layer-by-Layer Assembly: A Tribute to ACS Nano Associate Editor Helmuth M _u wald. <i>ACS Nano</i> , 2019 , 13, 6151-6169	16.7	127
492	Dark-Exciton-Mediated Fano Resonance from a Single Gold Nanostructure on Monolayer WS at Room Temperature. <i>Small</i> , 2019 , 15, e1900982	11	16
491	Plasmonic Supercrystals. <i>Accounts of Chemical Research</i> , 2019 , 52, 1855-1864	24.3	42

490	Time-Resolved Analysis of the Structural Dynamics of Assembling Gold Nanoparticles. <i>ACS Nano</i> , 2019 , 13, 6596-6604	16.7	18
489	Surface-Enhanced Raman Scattering Tags for Three-Dimensional Bioimaging and Biomarker Detection. <i>ACS Sensors</i> , 2019 , 4, 1126-1137	9.2	72
488	Monodisperse Gold Nanorods for High-Pressure Refractive Index Sensing. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 1587-1593	6.4	23
487	Solvent-Assisted Self-Assembly of Gold Nanorods into Hierarchically Organized Plasmonic Mesostructures. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 11763-11771	9.5	54
486	Disconnecting Symmetry Breaking from Seeded Growth for the Reproducible Synthesis of High Quality Gold Nanorods. <i>ACS Nano</i> , 2019 , 13, 4424-4435	16.7	59
485	Encapsulation of Noble Metal Nanoparticles through Seeded Emulsion Polymerization as Highly Stable Plasmonic Systems. <i>Advanced Functional Materials</i> , 2019 , 29, 1809071	15.6	17
484	Dark Excitons: Dark-Exciton-Mediated Fano Resonance from a Single Gold Nanostructure on Monolayer WS ₂ at Room Temperature (Small 31/2019). <i>Small</i> , 2019 , 15, 1970164	11	
483	High-Yield Preparation of Exfoliated 1T-MoS ₂ with SERS Activity. <i>Chemistry of Materials</i> , 2019 , 31, 5725-5734	11.34	72
482	Thermal monitoring during photothermia: hybrid probes for simultaneous plasmonic heating and near-infrared optical nanothermometry. <i>Theranostics</i> , 2019 , 9, 7298-7312	12.1	18
481	Heat generation by branched Au/Pd nanocrystals: influence of morphology and composition. <i>Nanoscale</i> , 2019 , 11, 19561-19570	7.7	16
480	SERS and plasmonic heating efficiency from anisotropic core/satellite superstructures. <i>Nanoscale</i> , 2019 , 11, 17655-17663	7.7	37
479	Size-Dependent Transport and Cytotoxicity of Mitomycin-Gold Nanoparticle Conjugates in 2D and 3D Mammalian Cell Models. <i>Bioconjugate Chemistry</i> , 2019 , 30, 242-252	6.3	12
478	Reducing Protein Corona Formation and Enhancing Colloidal Stability of Gold Nanoparticles by Capping with Silica Monolayers. <i>Chemistry of Materials</i> , 2019 , 31, 57-61	9.6	21
477	Surface-enhanced Raman scattering (SERS) imaging of bioactive metabolites in mixed bacterial populations. <i>Applied Materials Today</i> , 2019 , 14, 207-215	6.6	26
476	Recent Advances in Chiral Plasmonics Towards Biomedical Applications. <i>Bulletin of the Chemical Society of Japan</i> , 2019 , 92, 30-37	5.1	56
475	In My Element: Gold. <i>Chemistry - A European Journal</i> , 2019 , 25, 661-661	4.8	1
474	Charge-Induced Shifts in Chiral Surface Plasmon Modes in Gold Nanorod Assemblies. <i>Particle and Particle Systems Characterization</i> , 2019 , 36, 1800368	3.1	3
473	Three-Dimensional Quantification of the Facet Evolution of Pt Nanoparticles in a Variable Gaseous Environment. <i>Nano Letters</i> , 2019 , 19, 477-481	11.5	58

472	Manipulating chemistry through nanoparticle morphology. <i>Nanoscale Horizons</i> , 2019 , 5, 102-108	10.8	18
471	Biosensing strategies based on enzymatic reactions and nanoparticles. <i>Analyst, The</i> , 2018 , 143, 1727-1734	3.4	8
470	Guiding Rules for Selecting a Nanothermometer. <i>Nano Today</i> , 2018 , 19, 126-145	17.9	153
469	Tunable Fano Resonance and Plasmon-Exciton Coupling in Single Au Nanotriangles on Monolayer WS at Room Temperature. <i>Advanced Materials</i> , 2018 , 30, e1705779	24	56
468	Reversible Clustering of Gold Nanoparticles under Confinement. <i>Angewandte Chemie</i> , 2018 , 130, 3237-3240	3.6	14
467	Reversible Clustering of Gold Nanoparticles under Confinement. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3183-3186	16.4	39
466	Multimode Electron Tomography as a Tool to Characterize the Internal Structure and Morphology of Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 13522-13528	3.8	15
465	Opto-thermoelectric nanotweezers. <i>Nature Photonics</i> , 2018 , 12, 195-201	33.9	127
464	Subtissue Plasmonic Heating Monitored with CaF ₂ :Nd ³⁺ ,Y ³⁺ Nanothermometers in the Second Biological Window. <i>Chemistry of Materials</i> , 2018 , 30, 2819-2828	9.6	58
463	Cellular Uptake of Gold Nanoparticles Triggered by Host-Guest Interactions. <i>Journal of the American Chemical Society</i> , 2018 , 140, 4469-4472	16.4	49
462	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
461	Colloidal design of plasmonic sensors based on surface enhanced Raman scattering. <i>Journal of Colloid and Interface Science</i> , 2018 , 512, 834-843	9.3	36
460	Osteogenic effects of simvastatin-loaded mesoporous titania thin films. <i>Biomedical Materials (Bristol)</i> , 2018 , 13, 025017	3.5	9
459	Environmental Symmetry Breaking Promotes Plasmon Mode Splitting in Gold Nanotriangles. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 13259-13266	3.8	26
458	Titelbild: MicroRNA-Directed Intracellular Self-Assembly of Chiral Nanorod Dimers (Angew. Chem. 33/2018). <i>Angewandte Chemie</i> , 2018 , 130, 10537-10537	3.6	
457	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
456	The Role of Chemically Modified DNA in Discrimination of Single-Point Mutation through Plasmon-Based Colorimetric Assays. <i>ACS Applied Nano Materials</i> , 2018 , 1, 3741-3746	5.6	5
455	Environmentally responsive plasmonic nanoassemblies for biosensing. <i>Chemical Society Reviews</i> , 2018 , 47, 4677-4696	58.5	78

454	Plasmonic Detection of Carbohydrate-Mediated Biological Events. <i>Advanced Optical Materials</i> , 2018 , 6, 1800680	8.1	10
453	Gold Nanoparticle Plasmonic Superlattices as Surface-Enhanced Raman Spectroscopy Substrates. <i>ACS Nano</i> , 2018 , 12, 8531-8539	16.7	162
452	Caged clusters shine brighter. <i>Science</i> , 2018 , 361, 645	33.3	13
451	MicroRNA-Directed Intracellular Self-Assembly of Chiral Nanorod Dimers. <i>Angewandte Chemie</i> , 2018 , 130, 10704-10708	3.6	20
450	MicroRNA-Directed Intracellular Self-Assembly of Chiral Nanorod Dimers. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10544-10548	16.4	93
449	Understanding the Effect of Iodide Ions on the Morphology of Gold Nanorods. <i>Particle and Particle Systems Characterization</i> , 2018 , 35, 1800051	3.1	4
448	Composite Polymer Colloids for SERS-Based Applications. <i>Chemical Record</i> , 2018 , 18, 807-818	6.6	19
447	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
446	3D characterization of heat-induced morphological changes of Au nanostars by fast in situ electron tomography. <i>Nanoscale</i> , 2018 , 10, 22792-22801	7.7	42
445	Monolayer and thin hBN as substrates for electron spectro-microscopy analysis of plasmonic nanoparticles. <i>Applied Physics Letters</i> , 2018 , 113, 231108	3.4	3
444	Plasmonic polymer nanocomposites. <i>Nature Reviews Materials</i> , 2018 , 3, 375-391	73.3	117
443	Cellular Uptake of Nanoparticles versus Small Molecules: A Matter of Size. <i>Accounts of Chemical Research</i> , 2018 , 51, 2305-2313	24.3	151
442	Au Nanoparticles/Mesoporous TiO ₂ Thin Films Composites as SERS Sensors: A Systematic Performance Analysis. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 13095-13105	3.8	28
441	Targeted Chemo-Photothermal Therapy: A Nanomedicine Approximation to Selective Melanoma Treatment. <i>Particle and Particle Systems Characterization</i> , 2018 , 35, 1800148	3.1	18
440	Fano Resonances: Tunable Fano Resonance and Plasmon/Exciton Coupling in Single Au Nanotriangles on Monolayer WS ₂ at Room Temperature (Adv. Mater. 22/2018). <i>Advanced Materials</i> , 2018 , 30, 1870155	24	
439	Silica-Coated Plasmonic Metal Nanoparticles in Action. <i>Advanced Materials</i> , 2018 , 30, e1707003	24	116
438	Gold nanoparticles for regulation of cell function and behavior. <i>Nano Today</i> , 2017 , 13, 40-60	17.9	61
437	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

436	Strong Magneto-Optical Response of Nonmagnetic Organic Materials Coupled to Plasmonic Nanostructures. <i>Nano Letters</i> , 2017 , 17, 1808-1813	11.5	26
435	Nanoparticle-Based Discrimination of Single-Nucleotide Polymorphism in Long DNA Sequences. <i>Bioconjugate Chemistry</i> , 2017 , 28, 903-906	6.3	13
434	Biocompatible, Multiresponsive Nanogel Composites for Codelivery of Antiangiogenic and Chemotherapeutic Agents. <i>Chemistry of Materials</i> , 2017 , 29, 2303-2313	9.6	24
433	Nanoscience and Nanotechnology Cross Borders. <i>ACS Nano</i> , 2017 , 11, 1123-1126	16.7	3
432	Toward plasmonic monitoring of surface effects on bacterial quorum-sensing. <i>Current Opinion in Colloid and Interface Science</i> , 2017 , 32, 1-10	7.6	9
431	Metal Nanoparticle Growth within Clay-Polymer Nacre-Inspired Materials for Improved Catalysis and Plasmonic Detection in Complex Biofluids. <i>Langmuir</i> , 2017 , 33, 8774-8783	4	12
430	Real-time dynamic SERS detection of galectin using glycan-decorated gold nanoparticles. <i>Faraday Discussions</i> , 2017 , 205, 363-375	3.6	12
429	Imaging Bacterial Interspecies Chemical Interactions by Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2017 , 11, 4631-4640	16.7	49
428	Anisotropic metal nanoparticles for surface enhanced Raman scattering. <i>Chemical Society Reviews</i> , 2017 , 46, 3866-3885	58.5	311
427	Growing anisotropic crystals at the nanoscale. <i>Science</i> , 2017 , 356, 1120-1121	33.3	49
426	Janus plasmonic-magnetic gold-iron oxide nanoparticles as contrast agents for multimodal imaging. <i>Nanoscale</i> , 2017 , 9, 9467-9480	7.7	109
425	Nanoplasmonically-engineered random lasing in organic semiconductor thin films. <i>Nanoscale Horizons</i> , 2017 , 2, 261-266	10.8	10
424	Multilayered Materials Comprising Mesoporous Thin Films and Metal Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2017 , 34, 1600428	3.1	7
423	Structure and vacancy distribution in copper telluride nanoparticles influence plasmonic activity in the near-infrared. <i>Nature Communications</i> , 2017 , 8, 14925	17.4	26
422	Diverse Applications of Nanomedicine. <i>ACS Nano</i> , 2017 , 11, 2313-2381	16.7	714
421	Optimization of Nanoparticle-Based SERS Substrates through Large-Scale Realistic Simulations. <i>ACS Photonics</i> , 2017 , 4, 329-337	6.3	92
420	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
419	Tunable porous nanoallotropes prepared by post-assembly etching of binary nanoparticle superlattices. <i>Science</i> , 2017 , 358, 514-518	33.3	92

418	Femtosecond laser reshaping yields gold nanorods with ultranarrow surface plasmon resonances. <i>Science</i> , 2017 , 358, 640-644	33.3	176	
417	Blocking probe as a potential tool for detection of single nucleotide DNA mutations: design and performance. <i>Nanoscale</i> , 2017 , 9, 16205-16213	7.7	3	
416	Disentangling the effect of seed size and crystal habit on gold nanoparticle seeded growth. <i>Chemical Communications</i> , 2017 , 53, 11360-11363	5.8	26	
415	Controlling Plasmon-Enhanced Fluorescence via Intersystem Crossing in Photoswitchable Molecules. <i>Small</i> , 2017 , 13, 1701763	11	13	
414	Universal analytical modeling of plasmonic nanoparticles. <i>Chemical Society Reviews</i> , 2017 , 46, 6710-6724	58.5	89	
413	Shape control in ZIF-8 nanocrystals and metal nanoparticles@ZIF-8 heterostructures. <i>Nanoscale</i> , 2017 , 9, 16645-16651	7.7	67	
412	Spatial Analysis of Metal@PLGA Hybrid Microstructures Using 3D SERS Imaging. <i>Advanced Functional Materials</i> , 2017 , 27, 1701626	15.6	28	
411	Plasmon-trion and plasmon-exciton resonance energy transfer from a single plasmonic nanoparticle to monolayer MoS. <i>Nanoscale</i> , 2017 , 9, 13947-13955	7.7	26	
410	Monitoring plasmon coupling and SERS enhancement through in situ nanoparticle spacing modulation. <i>Faraday Discussions</i> , 2017 , 205, 67-83	3.6	21	
409	Design and Fabrication of Plasmonic Nanomaterials Based on Gold Nanorod Supercrystals. <i>Chemistry of Materials</i> , 2017 , 29, 15-25	9.6	47	
408	Current Challenges toward In Vitro Cellular Validation of Inorganic Nanoparticles. <i>Bioconjugate Chemistry</i> , 2017 , 28, 212-221	6.3	61	
407	Lectin-gated and glycan functionalized mesoporous silica nanocontainers for targeting cancer cells overexpressing Lewis X antigen. <i>Nanoscale</i> , 2017 , 10, 239-249	7.7	18	
406	Inorganic nanoparticles for biomedicine: where materials scientists meet medical research. <i>Materials Today</i> , 2016 , 19, 19-28	21.8	196	
405	Quantitative 3D analysis of huge nanoparticles assemblies	2016	55-56	0
404	Interfacial Activity of Gold Nanoparticles Coated with a Polymeric Patchy Shell and the Role of Spreading Agents. <i>ACS Omega</i> , 2016 , 1, 311-317	3.9	5	
403	Sensitivity Limit of Nanoparticle Biosensors in the Discrimination of Single Nucleotide Polymorphism. <i>ACS Sensors</i> , 2016 , 1, 1110-1116	9.2	17	
402	Silver Ions Direct Twin-Plane Formation during the Overgrowth of Single-Crystal Gold Nanoparticles. <i>ACS Omega</i> , 2016 , 1, 177-181	3.9	17	
401	Galvanic Replacement Coupled to Seeded Growth as a Route for Shape-Controlled Synthesis of Plasmonic Nanorattles. <i>Journal of the American Chemical Society</i> , 2016 , 138, 11453-6	16.4	75	

400	Nanoscale chirality in metal and semiconductor nanoparticles. <i>Chemical Communications</i> , 2016 , 52, 12555-12569;		
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