Luis Liz-MarzÃ¡n

List of Publications by Year
in descending order

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579	71,207	355	830
papers	citations	136 h-index	245 g-index

611	611	611	55418
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Template-assisted self-assembly of achiral plasmonic nanoparticles into chiral structures. Chemical Science, 2022, 13, 595-610.	3.7	51
2	Bioresponsive, Electroactive, and Inkjetâ€Printable Grapheneâ€Based Inks. Advanced Functional Materials, 2022, 32, 2105028.	7.8	14
3	Liquid Crystal Templated Chiral Plasmonic Films with Dynamic Tunability and Moldability. Advanced Functional Materials, 2022, 32, .	7.8	20
4	Correlation between Spectroscopic and Mechanical Properties of Gold Nanocrystals under Pressure. Journal of Physical Chemistry C, 2022, 126, 1982-1990.	1.5	4
5	Prospects of Surface-Enhanced Raman Spectroscopy for Biomarker Monitoring toward Precision Medicine. ACS Photonics, 2022, 9, 333-350.	3.2	53
6	Macroporous Silica Foams Fabricated via Soft Colloid Templating. Small Methods, 2022, 6, e2101491.	4.6	5
7	Nano and Plants. ACS Nano, 2022, 16, 1681-1684.	7.3	41
8	Quantification of the Helical Morphology of Chiral Gold Nanorods. , 2022, 4, 642-649.		13
9	Tanks and Truth. ACS Nano, 2022, 16, 4975-4976.	7.3	0
10	Robust Encapsulation of Biocompatible Gold Nanosphere Assemblies for Bioimaging via Surface Enhanced Raman Scattering. Advanced Optical Materials, 2022, 10, .	3.6	5
11	3D printed scaffolds: Challenges toward developing relevant cellular in vitro models. Biomaterials and Biosystems, 2022, 6, 100044.	1.0	2
12	Rapid Volumetric Optoacoustic Tracking of Nanoparticle Kinetics across Murine Organs. ACS Applied Materials & Interfaces, 2022, 14, 172-178.	4.0	13
13	Chiral nanomaterials: evolving rapidly from concepts to applications. Materials Advances, 2022, 3, 3677-3679.	2.6	16
14	SERS and Fluorescence-Active Multimodal Tessellated Scaffolds for Three-Dimensional Bioimaging. ACS Applied Materials & Interfaces, 2022, 14, 20708-20719.	4.0	15
15	Trends in Tissue Bioprinting, Cell-Laden Bioink Formulation, and Cell Tracking. ACS Omega, 2022, 7, 16236-16243.	1.6	7
16	Challenges for optical nanothermometry in biological environments. Chemical Society Reviews, 2022, 51, 4223-4242.	18.7	38
17	Thermal Activation of Gold Atom Diffusion in Au@Pt Nanorods. ACS Nano, 2022, 16, 9608-9619.	7.3	8
18	Combination of Live Cell Surface-Enhanced Raman Scattering Imaging with Chemometrics to Study Intracellular Nanoparticle Dynamics. ACS Sensors, 2022, 7, 1747-1756.	4.0	7

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19	Light-Driven Catalytic Regulation of Enzymes at the Interface with Plasmonic Nanomaterials. Biochemistry, 2021, 60, 991-998.	1.2	10
20	SERSTEM: An app for the statistical analysis of correlative SERS and TEM imaging and evaluation of SERS tags performance. Journal of Raman Spectroscopy, 2021, 52, 355-365.	1.2	9
21	Mechanistic Insights into the Light-Driven Catalysis of an Immobilized Lipase on Plasmonic Nanomaterials. ACS Catalysis, 2021, 11, 414-423.	5.5	21
22	Discrete metal nanoparticles with plasmonic chirality. Chemical Society Reviews, 2021, 50, 3738-3754.	18.7	99
23	Controlled Alloying of Au@Ag Coreâ€“Shell Nanorods Induced by Femtosecond Laser Irradiation. Advanced Optical Materials, 2021, 9, 2002134.	3.6	13
24	Can Copper Nanostructures Sustain High-Quality Plasmons?. Nano Letters, 2021, 21, 2444-2452.	4.5	43
25	X-ray-Based Techniques to Study the Nanoâ€“Bio Interface. ACS Nano, 2021, 15, 3754-3807.	7.3	60
26	Putting the World Back Together and Announcing the 2021 ACS Nano Award Lecture Laureates. ACS Nano, 2021, 15, 7837-7839.	7.3	2
27	Preventing Memory Effects in Surface-Enhanced Raman Scattering Substrates by Polymer Coating and Laser-Activated Deprotection. ACS Nano, 2021, 15, 8984-8995.	7.3	22
28	Tailored nanoscale plasmon-enhanced vibrational electron spectroscopy. Microscopy and Microanalysis, 2021, 27, 320-321.	0.2	0
29	Plasmonic metalâ€organic frameworks. SmartMat, 2021, 2, 446-465.	6.4	49
30	The Influence of Size, Shape, and Twin Boundaries on Heatâ€Induced Alloying in Individual Au@Ag Coreâ€“Shell Nanoparticles. Small, 2021, 17, e2102348.	5.2	10
31	Mechanically Tunable Latticeâ€Plasmon Resonances by Templated Selfâ€Assembled Superlattices for Multiâ€Wavelength Surfaceâ€Enhanced Raman Spectroscopy. Small Methods, 2021, 5, e2100453.	4.6	20
32	Templated Colloidal Self-Assembly for Lattice Plasmon Engineering. Accounts of Materials Research, 2021, 2, 816-827.	5.9	40
33	Chiral Nanostructures: New Twists. ACS Nano, 2021, 15, 12457-12460.	7.3	52
34	Nd³⁺-Doped Lanthanum Oxychloride Nanocrystals as Nanothermometers. Journal of Physical Chemistry C, 2021, 125, 19887-19896.	1.5	12
35	SERS monitoring of local pH in encapsulated therapeutic cells. Nanoscale, 2021, 13, 14354-14362.	2.8	5
36	Metal Nanoparticles/MoS₂ Surface-Enhanced Raman Scattering-Based Sandwich Immunoassay for Î±-Fetoprotein Detection. ACS Applied Materials & Interfaces, 2021, 13, 8823-8831.	4.0	45

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37	Kinetic Regulation of the Synthesis of Pentatwinned Gold Nanorods below Room Temperature. Journal of Physical Chemistry C, 2021, 125, 23937-23944.	1.5	9
38	On the Stiffness of Gold at the Nanoscale. ACS Nano, 2021, 15, 19128-19137.	7.3	12
39	Nanocomposite Scaffolds for Monitoring of Drug Diffusion in Three-Dimensional Cell Environments by Surface-Enhanced Raman Spectroscopy. Nano Letters, 2021, 21, 8785-8793.	4.5	15
40	In Vivo Evaluation of Multifunctional Gold Nanorods for Boron Neutron Capture and Photothermal Therapies. ACS Applied Materials & Interfaces, 2021, 13, 49589-49601.	4.0	23
41	Mechanically Tunable Latticeâ€Plasmon Resonances by Templated Selfâ€Assembled Superlattices for Multiâ€Wavelength Surfaceâ€Enhanced Raman Spectroscopy (Small Methods 10/2021). Small Methods, 2021, 5, .	4.6	2
42	Plasmonic Gradient Arrays for Rapid Screening of Surface-Enhanced Raman Scattering Efficiency: Particle Libraries of Gold Nanostars. Chemistry of Materials, 2021, 33, 8904-8914.	3.2	12
43	The Endless and Turbulent Frontier of Academic Entrepreneurship. ACS Nano, 2021, 15, 16947-16952.	7.3	1
44	An Extended Protocol for the Synthesis of Monodisperse Gold Nanotriangles. ACS Nano, 2021, 15, 18600-18607.	7.3	33
45	Outside Front Cover: Volume 2 Issue 4. SmartMat, 2021, 2, .	6.4	0
46	Plasmonic Nanoparticles with Supramolecular Recognition. Advanced Functional Materials, 2020, 30, 1902082.	7.8	64
47	Manipulating chemistry through nanoparticle morphology. Nanoscale Horizons, 2020, 5, 102-108.	4.1	27
48	Present and Future of Surface-Enhanced Raman Scattering. ACS Nano, 2020, 14, 28-117.	7.3	2,153
49	Formation of Hollow Gold Nanocrystals by Nanosecond Laser Irradiation. Journal of Physical Chemistry Letters, 2020, 11, 670-677.	2.1	15
50	Live-Cell Surface-Enhanced Raman Spectroscopy Imaging of Intracellular pH: From Two Dimensions to Three Dimensions. ACS Sensors, 2020, 5, 3194-3206.	4.0	32
51	SANS study of mixed cholesteric cellulose nanocrystal â€“ gold nanorod suspensions. Chemical Communications, 2020, 56, 13001-13004.	2.2	13
52	Plasmon-Enhanced Optical Chirality through Hotspot Formation in Surfactant-Directed Self-Assembly of Gold Nanorods. ACS Nano, 2020, 14, 16712-16722.	7.3	53
53	Colloidal systems toward 3D cell culture scaffolds. Advances in Colloid and Interface Science, 2020, 283, 102237.	7.0	18
54	3D Characterization and Plasmon Mapping of Gold Nanorods Welded by Femtosecond Laser Irradiation. ACS Nano, 2020, 14, 12558-12570.	7.3	30

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55	An Expanded Surface-Enhanced Raman Scattering Tags Library by Combinatorial Encapsulation of Reporter Molecules in Metal Nanoshells. ACS Nano, 2020, 14, 14655-14664.	7.3	20
56	Supramolecular Chirality Synchronization in Thin Films of Plasmonic Nanocomposites. ACS Nano, 2020, 14, 12918-12928.	7.3	43
57	Monitoring Chemical Reactions with SERS-Active Ag-Loaded Mesoporous TiO₂ Films. Analytical Chemistry, 2020, 92, 13656-13660.	3.2	9
58	Titelbild: Templateâ€basierte Herstellung von 2Dâ€photonischen Superkristallen mit verstÃrkter spontaner Emission aus CsPbBr₃â€Perowskitâ€Nanokristallen (Angew. Chem. 40/2020). Angewandte Chemie, 2020, 132, 17457-17457.	1.6	0
59	Tuning Size and Seed Position in Small Silver Nanorods. , 2020, 2, 1246-1250.		9
60	3Dâ€Printed Biocompatible Scaffolds with Builtâ€In Nanoplasmonic Sensors. Advanced Functional Materials, 2020, 30, 2005407.	7.8	24
61	Realâ€Time Reconstruction of Arbitrary Slices for Quantitative and In Situ 3D Characterization of Nanoparticles. Particle and Particle Systems Characterization, 2020, 37, 2000073.	1.2	12
62	Colloidal Superstructures with Triangular Cores: Size Effects on SERS Efficiency. ACS Photonics, 2020, 7, 1839-1848.	3.2	28
63	Reproducibility in Nanocrystal Synthesis? Watch Out for Impurities!. ACS Nano, 2020, 14, 6359-6361.	7.3	53
64	Shielded Silver Nanorods for Bioapplications. Chemistry of Materials, 2020, 32, 5879-5889.	3.2	30
65	Chirality of Liquid Crystals Formed from Achiral Molecules Revealed by Resonant Xâ€Ray Scattering. Advanced Materials, 2020, 32, e1905591.	11.1	31
66	MnO Nanoparticles Embedded in Functional Polymers as T₁ Contrast Agents for Magnetic Resonance Imaging. ACS Applied Nano Materials, 2020, 3, 3787-3797.	2.4	29
67	Plasmonic Sensing of Refractive Index and Density in Methanolâ€“Ethanol Mixtures at High Pressure. Journal of Physical Chemistry C, 2020, 124, 8978-8983.	1.5	12
68	Multiplex SERS Detection of Metabolic Alterations in Tumor Extracellular Media. Advanced Functional Materials, 2020, 30, 1910335.	7.8	71
69	Templatedâ€Assembly of CsPbBr₃ Perovskite Nanocrystals into 2D Photonic Supercrystals with Amplified Spontaneous Emission. Angewandte Chemie - International Edition, 2020, 59, 17750-17756.	7.2	72
70	Micelle-directed chiral seeded growth on anisotropic gold nanocrystals. Science, 2020, 368, 1472-1477.	6.0	205
71	SERS-based immunoassay for monitoring cortisol-related disorders. Biosensors and Bioelectronics, 2020, 165, 112418.	5.3	32
72	Templateâ€basierte Herstellung von 2Dâ€photonischen Superkristallen mit verstÃrkter spontaner Emission aus CsPbBr 3 â€Perowskitâ€Nanokristallen. Angewandte Chemie, 2020, 132, 17903-17909.	1.6	6

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73	Reversible Control of Protein Corona Formation on Gold Nanoparticles Using Hostâ€“Guest Interactions. ACS Nano, 2020, 14, 5382-5391.	7.3	48
74	Janus Magneticâ€Plasmonic Nanoparticles for Magnetically Guided and Thermally Activated Cancer Therapy. Small, 2020, 16, e1904960.	5.2	84
75	Using SERS Tags to Image the Threeâ€Dimensional Structure of Complex Cell Models. Advanced Functional Materials, 2020, 30, 1909655.	7.8	44
76	Tailored Nanoscale Plasmon-Enhanced Vibrational Electron Spectroscopy. Nano Letters, 2020, 20, 2973-2979.	4.5	36
77	Optimizing the Geometry of Photoacoustically Active Gold Nanoparticles for Biomedical Imaging. ACS Photonics, 2020, 7, 646-652.	3.2	49
78	Surfactantâ€Assisted Symmetry Breaking in Colloidal Gold Nanocrystal Growth. ChemNanoMat, 2020, 6, 698-707.	1.5	33
79	CTAB Stabilizes Silver on Gold Nanorods. Chemistry of Materials, 2020, 32, 1650-1656.	3.2	34
80	Growing Contributions of Nano in 2020. ACS Nano, 2020, 14, 16163-16164.	7.3	1
81	In Situ Tracking of Colloidally Stable and Ordered Assemblies of Gold Nanorods. Journal of the American Chemical Society, 2020, 142, 18814-18825.	6.6	15
82	H-Bonding-mediated binding and charge reorganization of proteins on gold nanoparticles. Physical Chemistry Chemical Physics, 2020, 22, 4490-4500.	1.3	25
83	Controlled Assembly of Plasmonic Colloidal Nanoparticle Clusters*. , 2020, , 321-353.		1
84	Analysis of Quorum Sensing by Surface-Enhanced Raman Scattering Spectroscopy. , 2020, , 59-77.		0
85	Oleylamine in Nanoparticle Synthesis*. , 2020, , 453-487.		0
86	Dark Excitons: Darkâ€Excitonâ€Mediated Fano Resonance from a Single Gold Nanostructure on Monolayer WS₂ at Room Temperature (Small 31/2019). Small, 2019, 15, 1970164.	5.2	0
87	High-Yield Preparation of Exfoliated 1T-MoS₂ with SERS Activity. Chemistry of Materials, 2019, 31, 5725-5734.	3.2	126
88	Thermal monitoring during photothermia: hybrid probes for simultaneous plasmonic heating and near-infrared optical nanothermometry. Theranostics, 2019, 9, 7298-7312.	4.6	32
89	Nano as a Rosetta Stone: The Global Roles and Opportunities for Nanoscience and Nanotechnology. ACS Nano, 2019, 13, 10853-10855.	7.3	16
90	Double Rabi Splitting in a Strongly Coupled System of Coreâ€“Shell Au@Ag Nanorods and J-Aggregates of Multiple Fluorophores. Journal of Physical Chemistry Letters, 2019, 10, 6137-6143.	2.1	30

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91	Stimuli-responsive self-assembly of nanoparticles. Chemical Society Reviews, 2019, 48, 1342-1361.	18.7	339
92	The Future of Layer-by-Layer Assembly: A Tribute to ACS Nano Associate Editor Helmuth MÃ¶hwald. ACS Nano, 2019, 13, 6151-6169.	7.3	211
93	Darkâ€Excitonâ€Mediated Fano Resonance from a Single Gold Nanostructure on Monolayer WS₂ at Room Temperature. Small, 2019, 15, e1900982.	5.2	25
94	Plasmonic Supercrystals. Accounts of Chemical Research, 2019, 52, 1855-1864.	7.6	68
95	Redefining the Experimental and Methods Sections. ACS Nano, 2019, 13, 4862-4864.	7.3	16
96	Time-Resolved Analysis of the Structural Dynamics of Assembling Gold Nanoparticles. ACS Nano, 2019, 13, 6596-6604.	7.3	30
97	Surface-Enhanced Raman Scattering Tags for Three-Dimensional Bioimaging and Biomarker Detection. ACS Sensors, 2019, 4, 1126-1137.	4.0	111
98	Monodisperse Gold Nanorods for High-Pressure Refractive Index Sensing. Journal of Physical Chemistry Letters, 2019, 10, 1587-1593.	2.1	32
99	Solvent-Assisted Self-Assembly of Gold Nanorods into Hierarchically Organized Plasmonic Mesostructures. ACS Applied Materials & Interfaces, 2019, 11, 11763-11771.	4.0	90
100	Disconnecting Symmetry Breaking from Seeded Growth for the Reproducible Synthesis of High Quality Gold Nanorods. ACS Nano, 2019, 13, 4424-4435.	7.3	113
101	Encapsulation of Noble Metal Nanoparticles through Seeded Emulsion Polymerization as Highly Stable Plasmonic Systems. Advanced Functional Materials, 2019, 29, 1809071.	7.8	23
102	San Sebastian, a City of (Nano)Science and Technology. ACS Nano, 2019, 13, 12254-12256.	7.3	2
103	Chemical Nanoplasmonics: Emerging Interdisciplinary Research Field at Crossroads between Nanoscale Chemistry and Plasmonics. Accounts of Chemical Research, 2019, 52, 2995-2996.	7.6	14
104	Tunable Plasmonics by Self-Assembled Stretchable Superlattices on Macroscopic Scale. , 2019, , .		1
105	Heat generation by branched Au/Pd nanocrystals: influence of morphology and composition. Nanoscale, 2019, 11, 19561-19570.	2.8	24
106	SERS and plasmonic heating efficiency from anisotropic core/satellite superstructures. Nanoscale, 2019, 11, 17655-17663.	2.8	59
107	Size-Dependent Transport and Cytotoxicity of Mitomycin-Gold Nanoparticle Conjugates in 2D and 3D Mammalian Cell Models. Bioconjugate Chemistry, 2019, 30, 242-252.	1.8	17
108	Reducing Protein Corona Formation and Enhancing Colloidal Stability of Gold Nanoparticles by Capping with Silica Monolayers. Chemistry of Materials, 2019, 31, 57-61.	3.2	29

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109	Surface-enhanced Raman scattering (SERS) imaging of bioactive metabolites in mixed bacterial populations. Applied Materials Today, 2019, 14, 207-215.	2.3	36
110	Recent Advances in Chiral Plasmonics â€" Towards Biomedical Applications. Bulletin of the Chemical Society of Japan, 2019, 92, 30-37.	2.0	79
111	In My Element: Gold. Chemistry - A European Journal, 2019, 25, 661-661.	1.7	4
112	Chargeâ€Induced Shifts in Chiral Surface Plasmon Modes in Gold Nanorod Assemblies. Particle and Particle Systems Characterization, 2019, 36, 1800368.	1.2	5
113	Three-Dimensional Quantification of the Facet Evolution of Pt Nanoparticles in a Variable Gaseous Environment. Nano Letters, 2019, 19, 477-481.	4.5	93
114	Biosensing strategies based on enzymatic reactions and nanoparticles. Analyst, The, 2018, 143, 1727-1734.	1.7	12
115	Guiding Rules for Selecting a Nanothermometer. Nano Today, 2018, 19, 126-145.	6.2	247
116	Tunable Fano Resonance and Plasmonâ€"Exciton Coupling in Single Au Nanotriangles on Monolayer WS₂ at Room Temperature. Advanced Materials, 2018, 30, e1705779.	11.1	88
117	Reversible Clustering of Gold Nanoparticles under Confinement. Angewandte Chemie, 2018, 130, 3237-3240.	1.6	19
118	Reversible Clustering of Gold Nanoparticles under Confinement. Angewandte Chemie - International Edition, 2018, 57, 3183-3186.	7.2	53
119	Multimode Electron Tomography as a Tool to Characterize the Internal Structure and Morphology of Gold Nanoparticles. Journal of Physical Chemistry C, 2018, 122, 13522-13528.	1.5	27
120	ACS Omega 2017: A Year-End Expression of Appreciation for the Fundamental Contributions of Our Reviewers. ACS Omega, 2018, 3, 595-607.	1.6	2
121	Opto-thermoelectric nanotweezers. Nature Photonics, 2018, 12, 195-201.	15.6	216
122	Subtissue Plasmonic Heating Monitored with CaF₂:Nd³⁺,Y³⁺ Nanothermometers in the Second Biological Window. Chemistry of Materials, 2018, 30, 2819-2828.	3.2	87
123	Cellular Uptake of Gold Nanoparticles Triggered by Hostâ€"Guest Interactions. Journal of the American Chemical Society, 2018, 140, 4469-4472.	6.6	61
124	Detection of amyloid fibrils in Parkinsonâ€™s disease using plasmonic chirality. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3225-3230.	3.3	209
125	Colloidal design of plasmonic sensors based on surface enhanced Raman scattering. Journal of Colloid and Interface Science, 2018, 512, 834-843.	5.0	49
126	Osteogenic effects of simvastatin-loaded mesoporous titania thin films. Biomedical Materials (Bristol), 2018, 13, 025017.	1.7	13

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127	Environmental Symmetry Breaking Promotes Plasmon Mode Splitting in Gold Nanotriangles. Journal of Physical Chemistry C, 2018, 122, 13259-13266.	1.5	30
128	Composite Polymer Colloids for SERSâ€Based Applications. Chemical Record, 2018, 18, 807-818.	2.9	23
129	In vivo formation of protein corona on gold nanoparticles. The effect of their size and shape. Nanoscale, 2018, 10, 1256-1264.	2.8	286
130	Lectin-gated and glycan functionalized mesoporous silica nanocontainers for targeting cancer cells overexpressing Lewis X antigen. Nanoscale, 2018, 10, 239-249.	2.8	23
131	3D characterization of heat-induced morphological changes of Au nanostars by fast in situ electron tomography. Nanoscale, 2018, 10, 22792-22801.	2.8	56
132	Monolayer and thin hâ€“BN as substrates for electron spectro-microscopy analysis of plasmonic nanoparticles. Applied Physics Letters, 2018, 113, .	1.5	9
133	Plasmonic polymer nanocomposites. Nature Reviews Materials, 2018, 3, 375-391.	23.3	187
134	Cellular Uptake of Nanoparticles versus Small Molecules: A Matter of Size. Accounts of Chemical Research, 2018, 51, 2305-2313.	7.6	292
135	Au Nanoparticlesâ€“Mesoporous TiO₂ Thin Films Composites as SERS Sensors: A Systematic Performance Analysis. Journal of Physical Chemistry C, 2018, 122, 13095-13105.	1.5	42
136	Targeted Chemoâ€Photothermal Therapy: A Nanomedicine Approximation to Selective Melanoma Treatment. Particle and Particle Systems Characterization, 2018, 35, 1800148.	1.2	24
137	Fano Resonances: Tunable Fano Resonance and Plasmon-Exciton Coupling in Single Au Nanotriangles on Monolayer WS2 at Room Temperature (Adv. Mater. 22/2018). Advanced Materials, 2018, 30, 1870155.	11.1	1
138	Silicaâ€Coated Plasmonic Metal Nanoparticles in Action. Advanced Materials, 2018, 30, e1707003.	11.1	161
139	Titelbild: MicroRNAâ€Directed Intracellular Selfâ€Assembly of Chiral Nanorod Dimers (Angew. Chem.) Tj ETQq1 1 0.784314 rgBT /Ove	1.6	0
140	Magnetic (Hyper)Thermia or Photothermia? Progressive Comparison of Iron Oxide and Gold Nanoparticles Heating in Water, in Cells, and In Vivo. Advanced Functional Materials, 2018, 28, 1803660.	7.8	187
141	Peptides used to make light-twisting nanoparticles. Nature, 2018, 556, 313-314.	13.7	21
142	The Role of Chemically Modified DNA in Discrimination of Single-Point Mutation through Plasmon-Based Colorimetric Assays. ACS Applied Nano Materials, 2018, 1, 3741-3746.	2.4	7
143	Environmentally responsive plasmonic nanoassemblies for biosensing. Chemical Society Reviews, 2018, 47, 4677-4696.	18.7	116
144	Plasmonic Detection of Carbohydrateâ€Mediated Biological Events. Advanced Optical Materials, 2018, 6, 1800680.	3.6	14

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145	Gold Nanoparticle Plasmonic Superlattices as Surface-Enhanced Raman Spectroscopy Substrates. ACS Nano, 2018, 12, 8531-8539.	7.3	239
146	Caged clusters shine brighter. Science, 2018, 361, 645-645.	6.0	21
147	MicroRNAâ€Directed Intracellular Selfâ€Assembly of Chiral Nanorod Dimers. Angewandte Chemie, 2018, 130, 10704-10708.	1.6	22
148	MicroRNAâ€Directed Intracellular Selfâ€Assembly of Chiral Nanorod Dimers. Angewandte Chemie - International Edition, 2018, 57, 10544-10548.	7.2	127
149	Understanding the Effect of Iodide Ions on the Morphology of Gold Nanorods. Particle and Particle Systems Characterization, 2018, 35, 1800051.	1.2	6
150	Gold nanoparticles for regulation of cell function and behavior. Nano Today, 2017, 13, 40-60.	6.2	86
151	Large-Scale Plasmonic Pyramidal Supercrystals via Templated Self-Assembly of Monodisperse Gold Nanospheres. Journal of Physical Chemistry C, 2017, 121, 10899-10906.	1.5	78
152	Strong Magneto-Optical Response of Nonmagnetic Organic Materials Coupled to Plasmonic Nanostructures. Nano Letters, 2017, 17, 1808-1813.	4.5	36
153	Nanoparticle-Based Discrimination of Single-Nucleotide Polymorphism in Long DNA Sequences. Bioconjugate Chemistry, 2017, 28, 903-906.	1.8	15
154	Biocompatible, Multiresponsive Nanogel Composites for Codelivery of Antiangiogenic and Chemotherapeutic Agents. Chemistry of Materials, 2017, 29, 2303-2313.	3.2	29
155	Nanoscience and Nanotechnology Cross Borders. ACS Nano, 2017, 11, 1123-1126.	7.3	4
156	Toward plasmonic monitoring of surface effects on bacterial quorum-sensing. Current Opinion in Colloid and Interface Science, 2017, 32, 1-10.	3.4	11
157	Metal Nanoparticle Growth within Clayâ€“Polymer Nacre-Inspired Materials for Improved Catalysis and Plasmonic Detection in Complex Biofluids. Langmuir, 2017, 33, 8774-8783.	1.6	15
158	Real-time dynamic SERS detection of galectin using glycan-decorated gold nanoparticles. Faraday Discussions, 2017, 205, 363-375.	1.6	15
159	Imaging Bacterial Interspecies Chemical Interactions by Surface-Enhanced Raman Scattering. ACS Nano, 2017, 11, 4631-4640.	7.3	66
160	Anisotropic metal nanoparticles for surface enhanced Raman scattering. Chemical Society Reviews, 2017, 46, 3866-3885.	18.7	415
161	Growing anisotropic crystals at the nanoscale. Science, 2017, 356, 1120-1121.	6.0	75
162	Janus plasmonicâ€“magnetic goldâ€“iron oxide nanoparticles as contrast agents for multimodal imaging. Nanoscale, 2017, 9, 9467-9480.	2.8	145

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163	Nanoplasmonically-engineered random lasing in organic semiconductor thin films. Nanoscale Horizons, 2017, 2, 261-266.	4.1	13
164	Multilayered Materials Comprising Mesoporous Thin Films and Metal Nanoparticles. Particle and Particle Systems Characterization, 2017, 34, 1600428.	1.2	8
165	Structure and vacancy distribution in copper telluride nanoparticles influence plasmonic activity in the near-infrared. Nature Communications, 2017, 8, 14925.	5.8	38
166	Diverse Applications of Nanomedicine. ACS Nano, 2017, 11, 2313-2381.	7.3	976
167	Optimization of Nanoparticle-Based SERS Substrates through Large-Scale Realistic Simulations. ACS Photonics, 2017, 4, 329-337.	3.2	135
168	High-Yield Seeded Growth of Monodisperse Pentatwinned Gold Nanoparticles through Thermally Induced Seed Twinning. Journal of the American Chemical Society, 2017, 139, 107-110.	6.6	296
169	Tunable porous nanoallotropes prepared by post-assembly etching of binary nanoparticle superlattices. Science, 2017, 358, 514-518.	6.0	120
170	Femtosecond laser reshaping yields gold nanorods with ultranarrow surface plasmon resonances. Science, 2017, 358, 640-644.	6.0	233
171	Blocking probe as a potential tool for detection of single nucleotide DNA mutations: design and performance. Nanoscale, 2017, 9, 16205-16213.	2.8	4
172	Disentangling the effect of seed size and crystal habit on gold nanoparticle seeded growth. Chemical Communications, 2017, 53, 11360-11363.	2.2	35
173	Controlling Plasmonâ€Enhanced Fluorescence via Intersystem Crossing in Photoswitchable Molecules. Small, 2017, 13, 1701763.	5.2	15
174	Universal analytical modeling of plasmonic nanoparticles. Chemical Society Reviews, 2017, 46, 6710-6724.	18.7	137
175	Shape control in ZIF-8 nanocrystals and metal nanoparticles@ZIF-8 heterostructures. Nanoscale, 2017, 9, 16645-16651.	2.8	116
176	Spatial Analysis of Metalâ€“PLGA Hybrid Microstructures Using 3D SERS Imaging. Advanced Functional Materials, 2017, 27, 1701626.	7.8	37
177	ACS Omega: The Inaugural Year in Perspective. ACS Omega, 2017, 2, 4030-4031.	1.6	2
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