

# Luis Liz-Marzán

## List of Publications by Year in descending order

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Version: 2024-02-01

579  
papers

71,207  
citations

355

136  
h-index

832

245  
g-index

611  
all docs

611  
docs citations

611  
times ranked

55418  
citing authors

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

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19	Light-Driven Catalytic Regulation of Enzymes at the Interface with Plasmonic Nanomaterials. <i>Biochemistry</i> , 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. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 355-365.	1.2	9
21	Mechanistic Insights into the Light-Driven Catalysis of an Immobilized Lipase on Plasmonic Nanomaterials. <i>ACS Catalysis</i> , 2021, 11, 414-423.	5.5	21
22	Discrete metal nanoparticles with plasmonic chirality. <i>Chemical Society Reviews</i> , 2021, 50, 3738-3754.	18.7	99
23	Controlled Alloying of Au@Ag Core-Shell Nanorods Induced by Femtosecond Laser Irradiation. <i>Advanced Optical Materials</i> , 2021, 9, 2002134.	3.6	13
24	Can Copper Nanostructures Sustain High-Quality Plasmons?. <i>Nano Letters</i> , 2021, 21, 2444-2452.	4.5	43
25	X-ray-Based Techniques to Study the Nano-Bio Interface. <i>ACS Nano</i> , 2021, 15, 3754-3807.	7.3	60
26	Putting the World Back Together and Announcing the 2021 ACS Nano Award Lecture Laureates. <i>ACS Nano</i> , 2021, 15, 7837-7839.	7.3	2
27	Preventing Memory Effects in Surface-Enhanced Raman Scattering Substrates by Polymer Coating and Laser-Activated Deprotection. <i>ACS Nano</i> , 2021, 15, 8984-8995.	7.3	22
28	Tailored nanoscale plasmon-enhanced vibrational electron spectroscopy. <i>Microscopy and Microanalysis</i> , 2021, 27, 320-321.	0.2	0
29	Plasmonic metal-organic frameworks. <i>SmartMat</i> , 2021, 2, 446-465.	6.4	49
30	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.	5.2	10
31	Mechanically Tunable Lattice-Plasmon Resonances by Templated Self-Assembled Superlattices for Multi-Wavelength Surface-Enhanced Raman Spectroscopy. <i>Small Methods</i> , 2021, 5, e2100453.	4.6	20
32	Templated Colloidal Self-Assembly for Lattice Plasmon Engineering. <i>Accounts of Materials Research</i> , 2021, 2, 816-827.	5.9	40
33	Chiral Nanostructures: New Twists. <i>ACS Nano</i> , 2021, 15, 12457-12460.	7.3	52
34	Nd <sup>3+</sup> -Doped Lanthanum Oxide Nanocrystals as Nanothermometers. <i>Journal of Physical Chemistry C</i> , 2021, 125, 19887-19896.	1.5	12
35	SERS monitoring of local pH in encapsulated therapeutic cells. <i>Nanoscale</i> , 2021, 13, 14354-14362.	2.8	5
36	Metal Nanoparticles/MoS <sub>2</sub> Surface-Enhanced Raman Scattering-Based Sandwich Immunoassay for $\beta$ -Fetoprotein Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 8823-8831.	4.0	45

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37	Kinetic Regulation of the Synthesis of Pentatwinned Gold Nanorods below Room Temperature. <i>Journal of Physical Chemistry C</i> , 2021, 125, 23937-23944.	1.5	9
38	On the Stiffness of Gold at the Nanoscale. <i>ACS Nano</i> , 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. <i>Nano Letters</i> , 2021, 21, 8785-8793.	4.5	15
40	<i>In Vivo</i> Evaluation of Multifunctional Gold Nanorods for Boron Neutron Capture and Photothermal Therapies. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 49589-49601.	4.0	23
41	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, .	4.6	2
42	Plasmonic Gradient Arrays for Rapid Screening of Surface-Enhanced Raman Scattering Efficiency: Particle Libraries of Gold Nanostars. <i>Chemistry of Materials</i> , 2021, 33, 8904-8914.	3.2	12
43	The Endless and Turbulent Frontier of Academic Entrepreneurship. <i>ACS Nano</i> , 2021, 15, 16947-16952.	7.3	1
44	An Extended Protocol for the Synthesis of Monodisperse Gold Nanotriangles. <i>ACS Nano</i> , 2021, 15, 18600-18607.	7.3	33
45	Outside Front Cover: Volume 2 Issue 4. <i>SmartMat</i> , 2021, 2, .	6.4	0
46	Plasmonic Nanoparticles with Supramolecular Recognition. <i>Advanced Functional Materials</i> , 2020, 30, 1902082.	7.8	64
47	Manipulating chemistry through nanoparticle morphology. <i>Nanoscale Horizons</i> , 2020, 5, 102-108.	4.1	27
48	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2020, 14, 28-117.	7.3	2,153
49	Formation of Hollow Gold Nanocrystals by Nanosecond Laser Irradiation. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 670-677.	2.1	15
50	Live-Cell Surface-Enhanced Raman Spectroscopy Imaging of Intracellular pH: From Two Dimensions to Three Dimensions. <i>ACS Sensors</i> , 2020, 5, 3194-3206.	4.0	32
51	SANS study of mixed cholesteric cellulose nanocrystal " gold nanorod suspensions. <i>Chemical Communications</i> , 2020, 56, 13001-13004.	2.2	13
52	Plasmon-Enhanced Optical Chirality through Hotspot Formation in Surfactant-Directed Self-Assembly of Gold Nanorods. <i>ACS Nano</i> , 2020, 14, 16712-16722.	7.3	53
53	Colloidal systems toward 3D cell culture scaffolds. <i>Advances in Colloid and Interface Science</i> , 2020, 283, 102237.	7.0	18
54	3D Characterization and Plasmon Mapping of Gold Nanorods Welded by Femtosecond Laser Irradiation. <i>ACS Nano</i> , 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. <i>ACS Nano</i> , 2020, 14, 14655-14664.	7.3	20
56	Supramolecular Chirality Synchronization in Thin Films of Plasmonic Nanocomposites. <i>ACS Nano</i> , 2020, 14, 12918-12928.	7.3	43
57	Monitoring Chemical Reactions with SERS-Active Ag-Loaded Mesoporous TiO <sub>2</sub> Films. <i>Analytical Chemistry</i> , 2020, 92, 13656-13660.	3.2	9
58	Titelbild: Templatebasierte Herstellung von 2D-phototonischen Superkristallen mit verstärkter spontaner Emission aus CsPbBr <sub>3</sub> -Perowskit-Nanokristallen (Angew. Chem. 40/2020). <i>Angewandte Chemie</i> , 2020, 132, 17457-17457.	1.6	0
59	Tuning Size and Seed Position in Small Silver Nanorods. , 2020, 2, 1246-1250.		9
60	3D-Printed Biocompatible Scaffolds with Built-in Nanoplasmonic Sensors. <i>Advanced Functional Materials</i> , 2020, 30, 2005407.	7.8	24
61	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.	1.2	12
62	Colloidal Superstructures with Triangular Cores: Size Effects on SERS Efficiency. <i>ACS Photonics</i> , 2020, 7, 1839-1848.	3.2	28
63	Reproducibility in Nanocrystal Synthesis? Watch Out for Impurities!. <i>ACS Nano</i> , 2020, 14, 6359-6361.	7.3	53
64	Shielded Silver Nanorods for Bioapplications. <i>Chemistry of Materials</i> , 2020, 32, 5879-5889.	3.2	30
65	Chirality of Liquid Crystals Formed from Achiral Molecules Revealed by Resonant X-Ray Scattering. <i>Advanced Materials</i> , 2020, 32, e1905591.	11.1	31
66	MnO Nanoparticles Embedded in Functional Polymers as Contrast Agents for Magnetic Resonance Imaging. <i>ACS Applied Nano Materials</i> , 2020, 3, 3787-3797.	2.4	29
67	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.	1.5	12
68	Multiplex SERS Detection of Metabolic Alterations in Tumor Extracellular Media. <i>Advanced Functional Materials</i> , 2020, 30, 1910335.	7.8	71
69	Templated Assembly of CsPbBr <sub>3</sub> Perovskite Nanocrystals into 2D Photonic Supercrystals with Amplified Spontaneous Emission. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17750-17756.	7.2	72
70	Micelle-directed chiral seeded growth on anisotropic gold nanocrystals. <i>Science</i> , 2020, 368, 1472-1477.	6.0	205
71	SERS-based immunoassay for monitoring cortisol-related disorders. <i>Biosensors and Bioelectronics</i> , 2020, 165, 112418.	5.3	32
72	Templatebasierte Herstellung von 2D-phototonischen Superkristallen mit verstärkter spontaner Emission aus CsPbBr <sub>3</sub> -Perowskit-Nanokristallen. <i>Angewandte Chemie</i> , 2020, 132, 17903-17909.	1.6	6

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73	Reversible Control of Protein Corona Formation on Gold Nanoparticles Using Host-Guest Interactions. ACS Nano, 2020, 14, 5382-5391.	7.3	48
74	Janus Magnetic-Plasmonic Nanoparticles for Magnetically Guided and Thermally Activated Cancer Therapy. Small, 2020, 16, e1904960.	5.2	84
75	Using SERS Tags to Image the Three-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	Surfactant-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: Dark-Exciton-Mediated Fano Resonance from a Single Gold Nanostructure on Monolayer WS <sub>2</sub> at Room Temperature (Small 31/2019). Small, 2019, 15, 1970164.	5.2	0
87	High-Yield Preparation of Exfoliated 1T-MoS <sub>2</sub> 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 Core-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. <i>Chemical Society Reviews</i> , 2019, 48, 1342-1361.	18.7	339
92	The Future of Layer-by-Layer Assembly: A Tribute to <i>ACS Nano</i> Associate Editor Helmuth MÄ¶hwald. <i>ACS Nano</i> , 2019, 13, 6151-6169.	7.3	211
93	Darkâ€Excitonâ€Mediated Fano Resonance from a Single Gold Nanostructure on Monolayer WS<sub>2</sub> at Room Temperature. <i>Small</i> , 2019, 15, e1900982.	5.2	25
94	Plasmonic Supercrystals. <i>Accounts of Chemical Research</i> , 2019, 52, 1855-1864.	7.6	68
95	Redefining the Experimental and Methods Sections. <i>ACS Nano</i> , 2019, 13, 4862-4864.	7.3	16
96	Time-Resolved Analysis of the Structural Dynamics of Assembling Gold Nanoparticles. <i>ACS Nano</i> , 2019, 13, 6596-6604.	7.3	30
97	Surface-Enhanced Raman Scattering Tags for Three-Dimensional Bioimaging and Biomarker Detection. <i>ACS Sensors</i> , 2019, 4, 1126-1137.	4.0	111
98	Monodisperse Gold Nanorods for High-Pressure Refractive Index Sensing. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1587-1593.	2.1	32
99	Solvent-Assisted Self-Assembly of Gold Nanorods into Hierarchically Organized Plasmonic Mesostructures. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 11763-11771.	4.0	90
100	Disconnecting Symmetry Breaking from Seeded Growth for the Reproducible Synthesis of High Quality Gold Nanorods. <i>ACS Nano</i> , 2019, 13, 4424-4435.	7.3	113
101	Encapsulation of Noble Metal Nanoparticles through Seeded Emulsion Polymerization as Highly Stable Plasmonic Systems. <i>Advanced Functional Materials</i> , 2019, 29, 1809071.	7.8	23
102	San Sebastian, a City of (Nano)Science and Technology. <i>ACS Nano</i> , 2019, 13, 12254-12256.	7.3	2
103	Chemical Nanoplasmonics: Emerging Interdisciplinary Research Field at Crossroads between Nanoscale Chemistry and Plasmonics. <i>Accounts of Chemical Research</i> , 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. <i>Nanoscale</i> , 2019, 11, 19561-19570.	2.8	24
106	SERS and plasmonic heating efficiency from anisotropic core/satellite superstructures. <i>Nanoscale</i> , 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. <i>Bioconjugate Chemistry</i> , 2019, 30, 242-252.	1.8	17
108	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.	3.2	29

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



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127	Environmental Symmetry Breaking Promotes Plasmon Mode Splitting in Gold Nanotriangles. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13259-13266.	1.5	30
128	Composite Polymer Colloids for SERS-Based Applications. <i>Chemical Record</i> , 2018, 18, 807-818.	2.9	23
129	<i>In vivo</i> formation of protein corona on gold nanoparticles. The effect of their size and shape. <i>Nanoscale</i> , 2018, 10, 1256-1264.	2.8	286
130	Lectin-gated and glycan functionalized mesoporous silica nanocontainers for targeting cancer cells overexpressing Lewis X antigen. <i>Nanoscale</i> , 2018, 10, 239-249.	2.8	23
131	3D characterization of heat-induced morphological changes of Au nanostars by fast <i>in situ</i> electron tomography. <i>Nanoscale</i> , 2018, 10, 22792-22801.	2.8	56
132	Monolayer and thin h-BN as substrates for electron spectro-microscopy analysis of plasmonic nanoparticles. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	9
133	Plasmonic polymer nanocomposites. <i>Nature Reviews Materials</i> , 2018, 3, 375-391.	23.3	187
134	Cellular Uptake of Nanoparticles versus Small Molecules: A Matter of Size. <i>Accounts of Chemical Research</i> , 2018, 51, 2305-2313.	7.6	292
135	Au Nanoparticles@Mesoporous TiO <sub>2</sub> Thin Films Composites as SERS Sensors: A Systematic Performance Analysis. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13095-13105.	1.5	42
136	Targeted Chemo-Photothermal Therapy: A Nanomedicine Approximation to Selective Melanoma Treatment. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1800148.	1.2	24
137	Fano Resonances: Tunable Fano Resonance and Plasmon-Exciton Coupling in Single Au Nanotriangles on Monolayer WS <sub>2</sub> at Room Temperature ( <i>Adv. Mater.</i> 22/2018). <i>Advanced Materials</i> , 2018, 30, 1870155.	11.1	1
138	Silica-Coated Plasmonic Metal Nanoparticles in Action. <i>Advanced Materials</i> , 2018, 30, e1707003.	11.1	161
139	Titelbild: MicroRNA-Directed Intracellular Self-Assembly of Chiral Nanorod Dimers ( <i>Angew. Chem.</i> ) Tj ETQq1 1 0,784314 rgBT /Over 1.6		
140	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.	7.8	187
141	Peptides used to make light-twisting nanoparticles. <i>Nature</i> , 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. <i>ACS Applied Nano Materials</i> , 2018, 1, 3741-3746.	2.4	7
143	Environmentally responsive plasmonic nanoassemblies for biosensing. <i>Chemical Society Reviews</i> , 2018, 47, 4677-4696.	18.7	116
144	Plasmonic Detection of Carbohydrate-Mediated Biological Events. <i>Advanced Optical Materials</i> , 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	MicroRNA-Directed Intracellular Self-Assembly of Chiral Nanorod Dimers. Angewandte Chemie, 2018, 130, 10704-10708.	1.6	22
148	MicroRNA-Directed Intracellular Self-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 Clay-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
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