

# Xing Yi Ling

## List of Publications by Citations

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127  
papers

7,624  
citations

44  
h-index

85  
g-index

132  
ext. papers

9,121  
ext. citations

10.4  
avg, IF

6.02  
L-index

#	Paper	IF	Citations
127	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , <b>2020</b> , 14, 28-117	16.7	1000
126	Carbon-Supported Pt and PtRu Nanoparticles as Catalysts for a Direct Methanol Fuel Cell. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 8234-8240	3.4	599
125	Anisotropic etching of silver nanoparticles for plasmonic structures capable of single-particle SERS. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 268-74	16.4	537
124	Designing surface-enhanced Raman scattering (SERS) platforms beyond hotspot engineering: emerging opportunities in analyte manipulations and hybrid materials. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 731-756	58.5	247
123	Favoring the unfavored: Selective electrochemical nitrogen fixation using a reticular chemistry approach. <i>Science Advances</i> , <b>2018</b> , 4, eaar3208	14.3	237
122	Vertically aligned gold nanorod monolayer on arbitrary substrates: self-assembly and femtomolar detection of food contaminants. <i>ACS Nano</i> , <b>2013</b> , 7, 5993-6000	16.7	197
121	One-step synthesis of zero-dimensional hollow nanoporous gold nanoparticles with enhanced methanol electrooxidation performance. <i>Nature Communications</i> , <b>2014</b> , 5, 4947	17.4	186
120	Graphene oxide and shape-controlled silver nanoparticle hybrids for ultrasensitive single-particle surface-enhanced Raman scattering (SERS) sensing. <i>Nanoscale</i> , <b>2014</b> , 6, 4843-51	7.7	170
119	Stable and transparent superhydrophobic nanoparticle films. <i>Langmuir</i> , <b>2009</b> , 25, 3260-3	4	158
118	Hierarchical 3D SERS substrates fabricated by integrating photolithographic microstructures and self-assembly of silver nanoparticles. <i>Small</i> , <b>2014</b> , 10, 2703-11	11	140
117	Encoding molecular information in plasmonic nanostructures for anti-counterfeiting applications. <i>Nanoscale</i> , <b>2014</b> , 6, 282-8	7.7	136
116	Surfactant-directed atomic to mesoscale alignment: metal nanocrystals encased individually in single-crystalline porous nanostructures. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 10561-4	16.4	133
115	Preparation and characterization of Pt/C and PtRu/C electrocatalysts for direct ethanol fuel cells. <i>Journal of Power Sources</i> , <b>2005</b> , 149, 1-7	8.9	123
114	Understanding the synthetic pathway of a single-phase quaternary semiconductor using surface-enhanced Raman scattering: a case of wurtzite Cu <sub>2</sub> InSnS <sub>4</sub> nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 6684-92	16.4	112
113	Nanoscale surface chemistry directs the tunable assembly of silver octahedra into three two-dimensional plasmonic superlattices. <i>Nature Communications</i> , <b>2015</b> , 6, 6990	17.4	111
112	Oriented assembly of polyhedral plasmonic nanoparticle clusters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 6640-5	11.5	108
111	Janus particles with controllable patchiness and their chemical functionalization and supramolecular assembly. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 7677-82	16.4	108

110	Layer-by-layer assembly of Ag nanowires into 3D woodpile-like structures to achieve high density "hot spots" for surface-enhanced Raman scattering. <i>Langmuir</i> , <b>2013</b> , 29, 7061-9	4	106
109	Superhydrophobic surface-enhanced Raman scattering platform fabricated by assembly of Ag nanocubes for trace molecular sensing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 11409-18	9.5	93
108	Graphene liquid marbles as photothermal miniature reactors for reaction kinetics modulation. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 3993-6	16.4	80
107	A chemical route to increase hot spots on silver nanowires for surface-enhanced Raman spectroscopy application. <i>Langmuir</i> , <b>2012</b> , 28, 14441-9	4	78
106	Plasmonic Colloidosomes as Three-Dimensional SERS Platforms with Enhanced Surface Area for Multiphase Sub-Microliter Toxin Sensing. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 9691-5	16.4	77
105	Multiplex plasmonic anti-counterfeiting security labels based on surface-enhanced Raman scattering. <i>Chemical Communications</i> , <b>2015</b> , 51, 5363-6	5.8	74
104	Pt and PtRu nanoparticles deposited on single-wall carbon nanotubes for methanol electro-oxidation. <i>Journal of Power Sources</i> , <b>2007</b> , 167, 272-280	8.9	73
103	Chemical speciation of heavy metals by surface-enhanced Raman scattering spectroscopy: identification and quantification of inorganic- and methyl-mercury in water. <i>Nanoscale</i> , <b>2014</b> , 6, 8368-75	7.7	71
102	Plasmonic liquid marbles: a miniature substrate-less SERS platform for quantitative and multiplex ultratrace molecular detection. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 5054-8	16.4	71
101	Achieving Site-Specificity in Multistep Colloidal Synthesis. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 7624-7	16.4	66
100	Plasmonic nose: integrating the MOF-enabled molecular preconcentration effect with a plasmonic array for recognition of molecular-level volatile organic compounds. <i>Chemical Communications</i> , <b>2018</b> , 54, 2546-2549	5.8	65
99	Using the Langmuir-Schaefer technique to fabricate large-area dense SERS-active Au nanoprism monolayer films. <i>Nanoscale</i> , <b>2013</b> , 5, 6404-12	7.7	63
98	Nanosized Pt and PtRu colloids as precursors for direct methanol fuel cell catalysts. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 3049		63
97	Localized and Continuous Tuning of Monolayer MoS <sub>2</sub> Photoluminescence Using a Single Shape-Controlled Ag Nanoantenna. <i>Advanced Materials</i> , <b>2016</b> , 28, 701-6	24	62
96	Catalytic liquid marbles: Ag nanowire-based miniature reactors for highly efficient degradation of methylene blue. <i>Chemical Communications</i> , <b>2014</b> , 50, 5923-6	5.8	58
95	Microcontact printing of dendrimers, proteins, and nanoparticles by porous stamps. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 797-803	16.4	57
94	Superhydrophobic-oleophobic Ag nanowire platform: an analyte-concentrating and quantitative aqueous and organic toxin surface-enhanced Raman scattering sensor. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 10437-44	7.8	56
93	Ferrocenyl-functionalized silica nanoparticles: preparation, characterization, and molecular recognition at interfaces. <i>Langmuir</i> , <b>2006</b> , 22, 8777-83	4	55

92	Three-Dimensional Surface-Enhanced Raman Scattering Platforms: Large-Scale Plasmonic Hotspots for New Applications in Sensing, Microreaction, and Data Storage. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 1844-1854	24.3	51
91	Colloidal Gold Nanocups with Orientation-Dependent Plasmonic Properties. <i>Advanced Materials</i> , <b>2016</b> , 28, 6322-31	24	51
90	SERS- and Electrochemically Active 3D Plasmonic Liquid Marbles for Molecular-Level Spectroelectrochemical Investigation of Microliter Reactions. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 8813-8817	16.4	50
89	Reversible Attachment of Nanostructures at Molecular Printboards through Supramolecular Glue. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 3574-3578	9.6	49
88	ZIF-Induced d-Band Modification in a Bimetallic Nanocatalyst: Achieving Over 44 % Efficiency in the Ambient Nitrogen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 16997-17003	16.4	48
87	From supramolecular chemistry to nanotechnology: Assembly of 3D nanostructures. <i>Pure and Applied Chemistry</i> , <b>2009</b> , 81, 2225-2233	2.1	48
86	Nanoporous Gold Nanoframes with Minimalistic Architectures: Lower Porosity Generates Stronger Surface-Enhanced Raman Scattering Capabilities. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 7827-7834	9.6	46
85	A Chemical Approach To Break the Planar Configuration of Ag Nanocubes into Tunable Two-Dimensional Metasurfaces. <i>Nano Letters</i> , <b>2016</b> , 16, 3872-8	11.5	46
84	Plasmonic Liquid Marbles: A Miniature Substrate-less SERS Platform for Quantitative and Multiplex Ultratrace Molecular Detection. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 5154-5158	3.6	45
83	Multiplex Surface-Enhanced Raman Scattering Identification and Quantification of Urine Metabolites in Patient Samples within 30 min. <i>ACS Nano</i> , <b>2020</b> , 14, 2542-2552	16.7	44
82	Tracking Airborne Molecules from Afar: Three-Dimensional Metal-Organic Framework-Surface-Enhanced Raman Scattering Platform for Stand-Off and Real-Time Atmospheric Monitoring. <i>ACS Nano</i> , <b>2019</b> , 13, 12090-12099	16.7	43
81	Driving CO to a Quasi-Condensed Phase at the Interface between a Nanoparticle Surface and a Metal-Organic Framework at 1 bar and 298 K. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 11513-11518	16.4	43
80	Synthesis of Spiky Ag <sub>2</sub> Au Octahedral Nanoparticles and Their Tunable Optical Properties. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 16640-16649	3.8	42
79	Fabrication of Freestanding Nanoporous Polyethersulfone Membranes Using Organometallic Polymer Resists Patterned by Nanosphere Lithography. <i>Advanced Materials</i> , <b>2009</b> , 21, 2064-2067	24	41
78	Shape-shifting 3D protein microstructures with programmable directionality via quantitative nanoscale stiffness modulation. <i>Small</i> , <b>2015</b> , 11, 740-8	11	40
77	Free-standing 3D supramolecular hybrid particle structures. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 983-7	16.4	39
76	Patterning the molecular printboard: patterning cyclodextrin monolayers on silicon oxide using nanoimprint lithography and its application in 3D multilayer nanostructuring. <i>Nanotechnology</i> , <b>2007</b> , 18, 044007	3.4	38
75	A large-scale superhydrophobic surface-enhanced Raman scattering (SERS) platform fabricated via capillary force lithography and assembly of Ag nanocubes for ultratrace molecular sensing. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 26983-90	3.6	37

74	Plasmonic Silver Nanowire Structures for Two-Dimensional Multiple-Digit Molecular Data Storage Application. <i>ACS Photonics</i> , <b>2014</b> , 1, 631-637	6.3	36
73	Energy level engineering in transition-metal doped spinel-structured nanosheets for efficient overall water splitting. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 827-833	13	36
72	Flexible Three-Dimensional Anticounterfeiting Plasmonic Security Labels: Utilizing Z-Axis-Dependent SERS Readouts to Encode Multilayered Molecular Information. <i>ACS Photonics</i> , <b>2017</b> , 4, 2529-2536	6.3	35
71	Alumina-coated Ag nanocrystal monolayers as surface-enhanced Raman spectroscopy platforms for the direct spectroscopic detection of water splitting reaction intermediates. <i>Nano Research</i> , <b>2014</b> , 7, 132-143	10	33
70	An in situ study of the adsorption behavior of functionalized particles on self-assembled monolayers via different chemical interactions. <i>Langmuir</i> , <b>2007</b> , 23, 9990-9	4	33
69	Manipulating the d-Band Electronic Structure of Platinum-Functionalized Nanoporous Gold Bowls: Synergistic Intermetallic Interactions Enhance Catalysis. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 5080-5086	9.6	33
68	Aluminum nanostructures with strong visible-range SERS activity for versatile micropatterning of molecular security labels. <i>Nanoscale</i> , <b>2018</b> , 10, 575-581	7.7	33
67	Creating two self-assembly micro-environments to achieve supercrystals with dual structures using polyhedral nanoparticles. <i>Nature Communications</i> , <b>2018</b> , 9, 2769	17.4	32
66	Plasmonic nanopillar arrays encoded with multiplex molecular information for anti-counterfeiting applications. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 4312-4319	7.1	32
65	Plasmonic Colloidosomes as Three-Dimensional SERS Platforms with Enhanced Surface Area for Multiphase Sub-Microliter Toxin Sensing. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 9827-9831	3.6	31
64	A wearable solar-thermal-pyroelectric harvester: Achieving high power output using modified rGO-PEI and polarized PVDF. <i>Nano Energy</i> , <b>2020</b> , 73, 104723	17.1	30
63	Online Flowing Colloidosomes for Sequential Multi-analyte High-Throughput SERS Analysis. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 5565-5569	16.4	29
62	Self-supported MoS <sub>2</sub> @NHCF fiber-in-tube composites with tunable voids for efficient hydrogen evolution reaction. <i>Composites Communications</i> , <b>2018</b> , 9, 86-91	6.7	29
61	Precision synthesis: designing hot spots over hot spots via selective gold deposition on silver octahedra edges. <i>Small</i> , <b>2014</b> , 10, 4940-50	11	29
60	Identifying Enclosed Chemical Reaction and Dynamics at the Molecular Level Using Shell-Isolated Miniaturized Plasmonic Liquid Marble. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 1501-6	6.4	29
59	Direct Metal Writing and Precise Positioning of Gold Nanoparticles within Microfluidic Channels for SERS Sensing of Gaseous Analytes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 39584-39593	9.5	28
58	Nanoporous Gold Bowls: A Kinetic Approach to Control Open Shell Structures and Size-Tunable Lattice Strain for Electrocatalytic Applications. <i>Small</i> , <b>2016</b> , 12, 4531-40	11	27
57	Concentrating Immiscible Molecules at Solid@MOF Interfacial Nanocavities to Drive an Inert Gas-Liquid Reaction at Ambient Conditions. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 17058-17062	16.4	27

56	Plasmonic Hotspots in Air: An Omnidirectional Three-Dimensional Platform for Stand-Off In-Air SERS Sensing of Airborne Species. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 5792-5796	16.4	25
55	Supramolecular layer-by-layer assembly of 3D multicomponent nanostructures via multivalent molecular recognition. <i>International Journal of Molecular Sciences</i> , <b>2008</b> , 9, 486-97	6.3	25
54	Spinning Liquid Marble and Its Dual Applications as Microcentrifuge and Miniature Localized Viscometer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 23941-6	9.5	25
53	Microchemical Plant in a Liquid Droplet: Plasmonic Liquid Marble for Sequential Reactions and Attomole Detection of Toxin at Microliter Scale. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 39635-39640	9.5	24
52	Atomic force microscopy of the morphology and mechanical behaviour of barnacle cyprid footprint proteins at the nanoscale. <i>Journal of the Royal Society Interface</i> , <b>2010</b> , 7, 285-96	4.1	24
51	Chemically directed immobilization of nanoparticles onto gold substrates for orthogonal assembly using dithiocarbamate bond formation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2010</b> , 2, 795-9	9.5	24
50	Freestanding 3D supramolecular particle bridges: fabrication and mechanical behavior. <i>Small</i> , <b>2009</b> , 5, 1428-35	11	24
49	Intensifying Heat Using MOF-Isolated Graphene for Solar-Driven Seawater Desalination at 98% Solar-to-Thermal Efficiency. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008904	15.6	23
48	Multivalent binding of small guest molecules and proteins to molecular printboards inside microchannels. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 136-42	4.8	22
47	Stimulated electron energy loss and gain in an electron microscope without a pulsed electron gun. <i>Ultramicroscopy</i> , <b>2019</b> , 203, 44-51	3.1	22
46	Transformative Two-Dimensional Array Configurations by Geometrical Shape-Shifting Protein Microstructures. <i>ACS Nano</i> , <b>2015</b> , 9, 9708-17	16.7	21
45	Two-Photon-Assisted Polymerization and Reduction: Emerging Formulations and Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 10061-10079	9.5	21
44	Surface-Enhanced Raman Scattering (SERS) Taster: A Machine-Learning-Driven Multireceptor Platform for Multiplex Profiling of Wine Flavors. <i>Nano Letters</i> , <b>2021</b> , 21, 2642-2649	11.5	19
43	Graphene Liquid Marbles as Photothermal Miniature Reactors for Reaction Kinetics Modulation. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 4065-4068	3.6	18
42	Isolating Reactions at the Picoliter Scale: Parallel Control of Reaction Kinetics at the Liquid-Liquid Interface. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 8304-8	16.4	18
41	3D ordered nanostructures fabricated by nanosphere lithography using an organometallic etch mask. <i>Nanoscale</i> , <b>2010</b> , 2, 1455-60	7.7	17
40	Transfer-printing and host-guest properties of 3D supramolecular particle structures. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2009</b> , 1, 960-8	9.5	17
39	Revealing Cation-Exchange-Induced Phase Transformations in Multielemental Chalcogenide Nanoparticles. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 9192-9199	9.6	16

38	Turning Water from a Hindrance to the Promotor of Preferential Electrochemical Nitrogen Reduction. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 1674-1683	9.6	16
37	Dynamic Rotating Liquid Marble for Directional and Enhanced Mass Transportation in Three-Dimensional Microliter Droplets. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 243-249	6.4	15
36	ZIF-Induced d-Band Modification in a Bimetallic Nanocatalyst: Achieving Over 44 % Efficiency in the Ambient Nitrogen Reduction Reaction. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 17145-17151	3.6	15
35	Bimetallic platonic Janus nanocrystals. <i>Langmuir</i> , <b>2013</b> , 29, 12844-51	4	15
34	Tuning Molecular-Level Polymer Conformations Enables Dynamic Control over Both the Interfacial Behaviors of Ag Nanocubes and Their Assembled Metacrystals. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 6137-6144	9.6	14
33	A live bacteria SERS platform for the in situ monitoring of nitric oxide release from a single MRSA. <i>Chemical Communications</i> , <b>2018</b> , 54, 7022-7025	5.8	14
32	Triboelectrically boosted SERS on sea-urchin-like gold clusters facilitated by a high dielectric substrate. <i>Nano Energy</i> , <b>2019</b> , 64, 103959	17.1	13
31	Probing Plasmon-NV0 Coupling at the Nanometer Scale with Photons and Fast Electrons. <i>ACS Photonics</i> , <b>2018</b> , 5, 324-328	6.3	13
30	Applying a Nanoparticle@MOF Interface To Activate an Unconventional Regioselectivity of an Inert Reaction at Ambient Conditions. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 11521-11527	16.4	12
29	Shape-dependent thermo-plasmonic effect of nanoporous gold at the nanoscale for ultrasensitive heat-mediated remote actuation. <i>Nanoscale</i> , <b>2018</b> , 10, 16005-16012	7.7	11
28	Noninvasive and Point-of-Care Surface-Enhanced Raman Scattering (SERS)-Based Breathalyzer for Mass Screening of Coronavirus Disease 2019 (COVID-19) under 5 min.. <i>ACS Nano</i> , <b>2022</b> ,	16.7	11
27	Mapping micrometer-scale wetting properties of superhydrophobic surfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 25008-25012	11.5	11
26	SERS- and Electrochemically Active 3D Plasmonic Liquid Marbles for Molecular-Level Spectroelectrochemical Investigation of Microliter Reactions. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 8939-8943	3.6	10
25	Promotion of the halide effect in the formation of shaped metal nanocrystals via a hybrid cationic, polymeric stabilizer: Octahedra, cubes, and anisotropic growth. <i>Surface Science</i> , <b>2016</b> , 648, 307-312	1.8	10
24	Graphene/graphene nanoribbon aerogels decorated with S-doped MoSe <sub>2</sub> nanosheets as an efficient electrocatalyst for hydrogen evolution. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 1209-1216	6.8	9
23	Formulating an Ideal Protein Photoresist for Fabricating Dynamic Microstructures with High Aspect Ratios and Uniform Responsiveness. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 8145-53	9.5	9
22	Constructing Soft Substrate-less Platforms Using Particle-Assembled Fluid-Fluid Interfaces and Their Prospects in Multiphasic Applications. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 6563-6577	9.6	9
21	Plasmonic Nanoparticle-Metal-Organic Framework (NP@MOF) Nanohybrid Platforms for Emerging Plasmonic Applications <b>2021</b> , 3, 557-573		9

20	Quantitative prediction of the position and orientation for an octahedral nanoparticle at liquid/liquid interfaces. <i>Nanoscale</i> , <b>2017</b> , 9, 11239-11248	7.7	8
19	Chemistry-Specific Interfacial Forces Between Barnacle (Semibalanus Balanoides) Cyprid Footprint Proteins and Chemically Functionalised AFM Tips <b>2009</b> , 85, 616-630		8
18	Fabrication of 3D supramolecular hybrid particle microstructures with controllable morphology and dimensions. <i>Chemical Communications</i> , <b>2009</b> , 5521-3	5.8	8
17	Enantiospecific Molecular Fingerprinting Using Potential-Modulated Surface-Enhanced Raman Scattering to Achieve Label-Free Chiral Differentiation. <i>ACS Nano</i> , <b>2021</b> , 15, 1817-1825	16.7	8
16	Free-standing porous supramolecular assemblies of nanoparticles made using a double-templating strategy. <i>Faraday Discussions</i> , <b>2009</b> , 143, 117-27; discussion 169-86	3.6	7
15	Concentrating Immiscible Molecules at Solid@MOF Interfacial Nanocavities to Drive an Inert Gas-Liquid Reaction at Ambient Conditions. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 17304-17308	3.6	7
14	Modulating Orientational Order to Organize Polyhedral Nanoparticles into Plastic Crystals and Uniform Metacrystals. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 21183-21189	16.4	6
13	Assembling substrate-less plasmonic metacrystals at the oil/water interface for multiplex ultratrace analyte detection. <i>Analyst, The</i> , <b>2016</b> , 141, 5107-12	5	6
12	Online Flowing Colloidosomes for Sequential Multi-analyte High-Throughput SERS Analysis. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 5657-5661	3.6	5
11	Differentiation of Multiplex Noncovalent Interactions Using SERS and Chemometrics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 33421-33427	9.5	5
10	Plasmonic Hotspots in Air: An Omnidirectional Three-Dimensional Platform for Stand-Off In-Air SERS Sensing of Airborne Species. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 5894-5898	3.6	4
9	Isolating Reactions at the Picoliter Scale: Parallel Control of Reaction Kinetics at the Liquid-Liquid Interface. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 8444-8448	3.6	4
8	Special issue on surface-enhanced Raman spectroscopy. <i>Journal of Optics (United Kingdom)</i> , <b>2015</b> , 17, 110201	1.7	2
7	Modulating Orientational Order to Organize Polyhedral Nanoparticles into Plastic Crystals and Uniform Metacrystals. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 21369-21375	3.6	2
6	Gold Nanocups: Colloidal Gold Nanocups with Orientation-Dependent Plasmonic Properties (Adv. Mater. 30/2016). <i>Advanced Materials</i> , <b>2016</b> , 28, 6266	24	2
5	Chemically Directed Self-Assembly of Nanoparticle Structures on Surfaces <b>2010</b> , 405-431		1
4	Nanoplasmonic materials for surface-enhanced Raman scattering <b>2022</b> , 33-79		1
3	Plasmonic-induced overgrowth of amorphous molybdenum sulfide on nanoporous gold: An ambient synthesis method of hybrid nanoparticles with enhanced electrocatalytic activity. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 244709	3.9	0



- 2 Combined stem-eels and stem-cl analysis of plasmonic coupling between chemically grown silver nanocubes **2016**, 917-918
- 1 Tunable Plasmonic Metacrystals: Self-assembly, Plasmonic Properties, and Applications in Surface-enhanced Raman Scattering **2022**, 175-232