

# Weiping Cai

## List of Publications by Year in descending order

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246  
papers

15,309  
citations

17440

63  
h-index

21540

114  
g-index

265  
all docs

265  
docs citations

265  
times ranked

18004  
citing authors

#	ARTICLE	IF	CITATIONS
1	Au Polyhedron Array with Tunable Crystal Facets by PVP-Assisted Thermodynamic Control and Its Sharp Shape As Well As High-Energy Exposed Planes Co-Boosted SERS Activity. <i>Small</i> , 2022, 18, e2105045.	10.0	16
2	Microporous-Ceria-Wrapped Gold Nanoparticles for Conductometric and SERS Dual Monitoring of Hazardous Gases at Room Temperature. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	5
3	Onion-structured transition metal dichalcogenide nanoparticles by laser fabrication in liquids and atmospheres. <i>Chinese Physics B</i> , 2022, 31, 076106.	1.4	1
4	Fabrication of Pt-Ag-Au heterogeneous truncated hollow sub-microspheres for chemically self-propelled colloidal motors. <i>Nano Futures</i> , 2022, 6, 025003.	2.2	1
5	Surface Roughening of Pt-Polystyrene Spherical Janus Micromotors for Enhanced Motion Speed. <i>Micromachines</i> , 2022, 13, 555.	2.9	4
6	Abnormally Weak Surface-Enhanced Raman Scattering Activity of Tip-Rich Au Nanostars: The Role of Interfacial Defects. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2428-2433.	4.6	2
7	High-Density-Nanotips-Composed 3D Hierarchical Au/CuS Hybrids for Sensitive, Signal-Reproducible, and Substrate-Recyclable SERS Detection. <i>Nanomaterials</i> , 2022, 12, 2359.	4.1	1
8	One-Pot Synthesis of Ultrasmooth, Precisely Shaped Gold Nanospheres via Surface Self-Polishing Etching and Regrowth. <i>Chemistry of Materials</i> , 2021, 33, 2593-2603.	6.7	29
9	Quantitative Surface-Enhanced Raman Spectroscopy for Field Detections Based on Structurally Homogeneous Silver-Coated Silicon Nanocone Arrays. <i>ACS Omega</i> , 2021, 6, 18928-18938.	3.5	22
10	Hydrogel Film@Au Nanoparticle Arrays Based on Self-Assembly Co-Assisted by Electrostatic Attraction and Hydrogel Shrinkage for SERS Detection with Active Gaps. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101055.	3.7	13
11	Defective-tin-oxide wrapped gold nanoparticles with strong sunlight harvesting and efficient charge separation for photocatalysis. <i>Chemical Engineering Journal</i> , 2021, 420, 129981.	12.7	8
12	Ultrasensitive surface-enhanced Raman spectroscopy detection of gaseous sulfur-mustard simulant based on thin oxide-coated gold nanocone arrays. <i>Journal of Hazardous Materials</i> , 2021, 420, 126668.	12.4	17
13	A sensitive colorimetric chiral recognition for thiol-containing amino acids based on NIR plasmonic MoO <sub>3</sub> nanoparticles. <i>Journal of Materials Chemistry C</i> , 2021, 9, 11091-11097.	5.5	3
14	A universal route with fine kinetic control to a family of penta-twinned gold nanocrystals. <i>Chemical Science</i> , 2021, 12, 12631-12639.	7.4	15
15	Convective Self-Assembly of 2D Nonclose-Packed Binary Au Nanoparticle Arrays with Tunable Optical Properties. <i>Chemistry of Materials</i> , 2021, 33, 310-319.	6.7	38
16	Optimal Excitation Wavelength for Surface-Enhanced Raman Spectroscopy: The Role of Chemical Interface Damping. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11014-11021.	4.6	6
17	Engineering of flexible granular Au nanocap ordered array and its surface enhanced Raman spectroscopy effect. <i>Nanotechnology</i> , 2020, 31, 035303.	2.6	6
18	Rapid and ultrasensitive surface-enhanced Raman spectroscopy detection of mercury ions with gold film supported organometallic nanobelts. <i>Nanotechnology</i> , 2020, 31, 155501.	2.6	8

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19	Marsâ€“van-Krevelen mechanism-based blackening of nano-sized white semiconducting oxides for synergetic solar photo-thermocatalytic degradation of dye pollutants. <i>Nanoscale</i> , 2020, 12, 4030-4039.	5.6	12
20	Monodispersed Snowman-Like Ag-MoS <sub>2</sub> Janus Nanoparticles as Chemically Self-Propelled Nanomotors. <i>ACS Applied Nano Materials</i> , 2020, 3, 624-632.	5.0	16
21	Highly Selective and Sensitive Detection of Hydrogen Sulfide by the Diffraction Peak of Periodic Au Nanoparticle Array with Silver Coating. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 40702-40710.	8.0	19
22	Ultra-fast synthesis of water soluble MoO <sub>3</sub> ·x quantum dots with controlled oxygen vacancies and their near infrared fluorescence sensing to detect H <sub>2</sub> O <sub>2</sub> . <i>Nanoscale Horizons</i> , 2020, 5, 1538-1543.	8.0	16
23	Ordered gold-coated glass nano-sting array with large density tips as highly SERS-active chips for detection of trace organophosphorous toxicant. <i>Nanotechnology</i> , 2020, 31, 415301.	2.6	5
24	Raman reporter-assisted Au nanorod arrays SERS nanoprobe for ultrasensitive detection of mercuric ion (Hg <sup>2+</sup> ) with superior anti-interference performances. <i>Journal of Hazardous Materials</i> , 2020, 398, 122890.	12.4	51
25	Conductometric Response-Triggered Surface-Enhanced Raman Spectroscopy for Accurate Gas Recognition and Monitoring Based on Oxide-wrapped Metal Nanoparticles. <i>ACS Sensors</i> , 2020, 5, 1641-1649.	7.8	9
26	Ultrathin layer solid transformation-enabled-surface enhanced Raman spectroscopy for trace harmful small gaseous molecule detection. <i>Nanoscale Horizons</i> , 2020, 5, 739-746.	8.0	11
27	Two-dimensional flower-shaped Au@Ag nanoparticle arrays as effective SERS substrates with high sensitivity and reproducibility for detection of thiram. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3838-3845.	5.5	29
28	Ultrathin Hexagonal PbO Nanosheets Induced by Laser Ablation in Water for Chemically Trapping Surface-Enhanced Raman Spectroscopy Chips and Detection of Trace Gaseous H <sub>2</sub> S. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 23330-23339.	8.0	14
29	Crâ€“Dopant Induced Breaking of Scaling Relations in CoFe Layered Double Hydroxides for Improvement of Oxygen Evolution Reaction. <i>Small</i> , 2019, 15, e1902373.	10.0	111
30	Airâ€“Liquid Interfacial Selfâ€“Assembly of Twoâ€“Dimensional Periodic Nanostructured Arrays. <i>ChemNanoMat</i> , 2019, 5, 1338-1360.	2.8	34
31	Ultrathin and Isotropic Metal Sulfide Wrapping on Plasmonic Metal Nanoparticles for Surface Enhanced Ram Scattering-Based Detection of Trace Heavy-Metal Ions. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 28145-28153.	8.0	19
32	Monodispersed Zerovalent Iron Nanoparticles Decorated Carbon Submicrospheres for Enhanced Removal of DDT from Aqueous Solutions. <i>ChemistrySelect</i> , 2019, 4, 12134-12142.	1.5	6
33	Porous zeolite imidazole framework-wrapped urchin-like Au-Ag nanocrystals for SERS detection of trace hexachlorocyclohexane pesticides via efficient enrichment. <i>Journal of Hazardous Materials</i> , 2019, 368, 429-435.	12.4	72
34	4-Mercaptophenylboronic acid modified Au nanosheets-built hollow sub-microcubes for active capture and ultrasensitive SERS-based detection of hexachlorocyclohexane pesticides. <i>Sensors and Actuators B: Chemical</i> , 2019, 293, 63-70.	7.8	18
35	Status and demand of research to bring laser generation of nanoparticles in liquids to maturity. <i>Applied Surface Science</i> , 2019, 488, 445-454.	6.1	61
36	Fabrication of Ag-nanosheets-built micro/nanostructured arrays via <i>in situ</i> conversion on Cu <sub>2</sub> O-coated Si nanocone platform and their highly structurally-enhanced SERS effect. <i>Nanotechnology</i> , 2019, 30, 345302.	2.6	12

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37	Highly sensitive detection of nitrite by using gold nanoparticle-decorated $\text{Fe}_2\text{O}_3$ nanorod arrays as self-supporting photo-electrodes. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1432-1441.	6.0	18
38	Flexible vanadium-doped $\text{Ni}_2\text{P}$ nanosheet arrays grown on carbon cloth for an efficient hydrogen evolution reaction. <i>Nanoscale</i> , 2019, 11, 4198-4203.	5.6	122
39	Bilayer Au nanoparticle-decorated $\text{WO}_3$ porous thin films: On-chip fabrication and enhanced $\text{NO}_2$ gas sensing performances with high selectivity. <i>Sensors and Actuators B: Chemical</i> , 2019, 280, 192-200.	7.8	61
40	N-doping nanoporous carbon microspheres derived from MOFs for highly efficient removal of formaldehyde. <i>Nanotechnology</i> , 2019, 30, 105702.	2.6	14
41	Laser Synthesis of Colloids: Fundamentals and Applications. <i>World Scientific Series in Nanoscience and Nanotechnology</i> , 2019, , 183-211.	0.1	0
42	Ultrasensitive and Stable Au Dimer-Based Colorimetric Sensors Using the Dynamically Tunable Gap-Dependent Plasmonic Coupling Optical Properties. <i>Advanced Functional Materials</i> , 2018, 28, 1707392.	14.9	48
43	Periodic Porous Alloyed Au-Ag Nanosphere Arrays and Their Highly Sensitive SERS Performance with Good Reproducibility and High Density of Hotspots. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 9792-9801.	8.0	138
44	Bionic PDMS film with hybrid superhydrophilic/superhydrophobic arrays for water harvest. <i>Surface Innovations</i> , 2018, 6, 141-149.	2.3	15
45	Decoration of Au Nanoparticles on $\text{MoS}_2$ Nanospheres: From Janus to Core/Shell Structure. <i>Journal of Physical Chemistry C</i> , 2018, 122, 8628-8636.	3.1	18
46	3-Acrylamidophenylboronic Acid-Modified Hydrogel Film Attached to a Gold Nanosphere Array to Detect Hydrofluoric Acid with Good Selectivity and Recyclability. <i>ChemNanoMat</i> , 2018, 4, 165-169.	2.8	6
47	Micro/nanostructured porous ZnO as a new DGT binding phase for selective measurement of Cu(II) in water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 537, 109-115.	4.7	12
48	Strong SERS Performances of Ultrathin $\text{Co}(\text{OH})_2$ Nanosheets to the Toxic Organophosphorus Molecules and Hydrogen Bond-Induced Charge Transfer Mechanism. <i>Advanced Materials Interfaces</i> , 2018, 5, 1700709.	3.7	13
49	Tailoring Surface Opening of Hollow Nanocubes and Their Application as Nanocargo Carriers. <i>ACS Central Science</i> , 2018, 4, 1742-1750.	11.3	13
50	Large-Scale Synthesis of Co/CoO Encapsulated in Nitrogen-, Oxygen-, and Sulfur-Tridoped Three-Dimensional Porous Carbon as Efficient Electrocatalysts for Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2018, 1, 6250-6259.	5.1	15
51	$\text{Ni}_{0.33}\text{Co}_{0.67}\text{MoS}_4$ nanosheets as a bifunctional electrolytic water catalyst for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19555-19562.	10.3	50
52	Controllable corrosion-assisted fabrication of Au-Ag alloyed hollow nanocrystals for highly efficient and environmentally-stable SERS substrates. <i>Nanotechnology</i> , 2018, 29, 455604.	2.6	5
53	Large Area $\text{Cu}_2\text{S}$ Particle-Stacked Nanorod Arrays by Laser Ablation in Liquid and Their Strong Structurally Enhanced and Stable Visible Photoelectric Performances. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 19027-19036.	8.0	20
54	Ball Milling-Induced Plate-like Sub-microstructured Iron for Enhancing Degradation of DDT in a Real Soil Environment. <i>ACS Omega</i> , 2018, 3, 6955-6961.	3.5	5

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55	Laser-irradiation induced synthesis of spongy AuAgPt alloy nanospheres with high-index facets, rich grain boundaries and subtle lattice distortion for enhanced electrocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13735-13742.	10.3	32
56	Cu-Doped CoP Nanorod Arrays: Efficient and Durable Hydrogen Evolution Reaction Electrocatalysts at All pH Values. <i>ACS Applied Energy Materials</i> , 2018, 1, 3835-3842.	5.1	58
57	Strong Electronic Interaction in Dual-Cation-Incorporated NiSe <sub>2</sub> Nanosheets with Lattice Distortion for Highly Efficient Overall Water Splitting. <i>Advanced Materials</i> , 2018, 30, e1802121.	21.0	361
58	Kinetically-Controlled Growth of Chestnut-Like Au Nanocrystals with High-Density Tips and Their High SERS Performances on Organochlorine Pesticides. <i>Nanomaterials</i> , 2018, 8, 560.	4.1	7
59	MnMoO <sub>4</sub> nanosheet array: an efficient electrocatalyst for hydrogen evolution reaction with enhanced activity over a wide pH range. <i>Nanotechnology</i> , 2018, 29, 335403.	2.6	17
60	Bifunctional Hybrid Ni/Ni <sub>2</sub> P Nanoparticles Encapsulated by Graphitic Carbon Supported with N, S Modified 3D Carbon Framework for Highly Efficient Overall Water Splitting. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800473.	3.7	40
61	Interaction properties between different modes of localized and propagating surface plasmons in a dimer nanoparticle array. <i>Optical Engineering</i> , 2018, 57, 1.	1.0	6
62	One-Step and Surfactant-Free Fabrication of Gold-Nanoparticle-Decorated Bismuth Oxychloride Nanosheets Based on Laser Ablation in Solution and Their Enhanced Visible-Light Plasmonic Photocatalysis. <i>ChemPhysChem</i> , 2017, 18, 1146-1154.	2.1	9
63	Capillary Gradient-Induced Self-Assembly of Periodic Au Spherical Nanoparticle Arrays on an Ultralarge Scale via a Bisolvent System at Air/Water Interface. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600976.	3.7	48
64	Structure and thickness-dependent gas sensing responses to NO <sub>2</sub> under UV irradiation for the multilayered ZnO micro/nanostructured porous thin films. <i>Journal of Colloid and Interface Science</i> , 2017, 503, 150-158.	9.4	45
65	Nanoscaled Amorphous TiO <sub>2</sub> Hollow Spheres: TiCl <sub>4</sub> Liquid Droplet-Based Hydrolysis Fabrication and Strong Hollow Structure-Enhanced Surface-Enhanced Raman Scattering Effects. <i>Langmuir</i> , 2017, 33, 5430-5438.	3.5	16
66	Hierarchical micro/nanostructured C doped Co/Co <sub>3</sub> O <sub>4</sub> hollow spheres derived from PS@Co(OH) <sub>2</sub> for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11163-11170.	10.3	61
67	Surface enhanced Raman scattering properties of dynamically tunable nanogaps between Au nanoparticles self-assembled on hydrogel microspheres controlled by pH. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 467-475.	9.4	23
68	Close network-effect of a ZnO micro/nanoporous array allows high UV-irradiated NO <sub>2</sub> sensing performance. <i>RSC Advances</i> , 2017, 7, 21054-21060.	3.6	12
69	Functionalized periodic Au@MOFs nanoparticle arrays as biosensors for dual-channel detection through the complementary effect of SPR and diffraction peaks. <i>Nano Research</i> , 2017, 10, 2257-2270.	10.4	44
70	S,N-Containing Co-MOF derived Co <sub>9</sub> S <sub>8</sub> @S,N-doped carbon materials as efficient oxygen electrocatalysts and supercapacitor electrode materials. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 491-498.	6.0	108
71	Ultrathin Oxide Layer-Wrapped Noble Metal Nanoparticles via Colloidal Electrostatic Self-Assembly for Efficient and Reusable Surface Enhanced Raman Scattering Substrates. <i>Langmuir</i> , 2017, 33, 12934-12942.	3.5	10
72	Controlled synthesis of sponge-like porous Au-Ag alloy nanocubes for surface-enhanced Raman scattering properties. <i>Journal of Materials Chemistry C</i> , 2017, 5, 11039-11045.	5.5	45

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73	Temperature regulation growth of Au nanocrystals: from concave trisoctahedron to dendritic structures and their ultrasensitive SERS-based detection of lindane. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10399-10405.	5.5	23
74	Onion-Structured Spherical MoS <sub>2</sub> Nanoparticles Induced by Laser Ablation in Water and Liquid Dropletsâ€™ Radial Solidification/Oriented Growth Mechanism. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23233-23239.	3.1	15
75	Mn doped porous cobalt nitride nanowires with high activity for water oxidation under both alkaline and neutral conditions. <i>Chemical Communications</i> , 2017, 53, 13237-13240.	4.1	53
76	SERS-based ultrasensitive detection of organophosphorus nerve agents via substrateâ€™s surface modification. <i>Journal of Hazardous Materials</i> , 2017, 324, 194-202.	12.4	52
77	Ultrathin tin oxide layer-wrapped gold nanoparticles induced by laser ablation in solutions and their enhanced performances. <i>Journal of Colloid and Interface Science</i> , 2017, 489, 92-99.	9.4	15
78	Design and fabrication of micro-nano fusion gas sensor based on two-beam micro-hotplatform. <i>Microsystem Technologies</i> , 2017, 23, 2699-2705.	2.0	1
79	Highly efficient removal of hexavalent chromium in aqueous solutions<i>via</i>chemical reduction of plate-like micro/nanostructured zero valent iron. <i>RSC Advances</i> , 2017, 7, 55905-55911.	3.6	37
80	Morphological and Structural Control of Organic Monolayer Colloidal Crystal Based on Plasma Etching and Its Application in Fabrication of Ordered Gold Nanostructured Arrays. <i>Crystals</i> , 2016, 6, 126.	2.2	11
81	A nanoparticulate liquid binding phase based DGT device for aquatic arsenic measurement. <i>Talanta</i> , 2016, 160, 225-232.	5.5	15
82	Metal-organic framework derived nitrogen-doped porous carbon@graphene sandwich-like structured composites as bifunctional electrocatalysts for oxygen reduction and evolution reactions. <i>Carbon</i> , 2016, 106, 74-83.	10.3	206
83	Ultrafine nickelâ€“cobalt alloy nanoparticles incorporated into three-dimensional porous graphitic carbon as an electrode material for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17080-17086.	10.3	53
84	Fabrication of Î±-Fe <sub>2</sub> O <sub>3</sub> porous array film and its crystallization effect on its H <sub>2</sub> S sensing properties. <i>ChemistrySelect</i> , 2016, 1, 2377-2382.	1.5	7
85	Polyaniline nanofibers and their self-assembly into a film to be used as ammonia sensor. <i>RSC Advances</i> , 2016, 6, 103185-103191.	3.6	13
86	Auâ€NPâ€Decorated Crystalline FeOCl Nanosheet: Facile Synthesis by Laser Ablation in Liquid and its Exclusive Gas Sensing Response to HCl at Room Temperature. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500801.	3.7	37
87	Room temperature H <sub>2</sub> S gas sensing properties of In <sub>2</sub> O <sub>3</sub> micro/nanostructured porous thin film and hydrolyzation-induced enhanced sensing mechanism. <i>Sensors and Actuators B: Chemical</i> , 2016, 228, 74-84.	7.8	90
88	Complete Au@ZnO coreâ€“shell nanoparticles with enhanced plasmonic absorption enabling significantly improved photocatalysis. <i>Nanoscale</i> , 2016, 8, 10774-10782.	5.6	94
89	Enhanced degradation performances of plate-like micro/nanostructured zero valent iron to DDT. <i>Journal of Hazardous Materials</i> , 2016, 307, 145-153.	12.4	30
90	Green and Tunable Decoration of Graphene with Spherical Nanoparticles Based on Laser Ablation in Water: A Case of Ag Nanoparticle/Graphene Oxide Sheet Composites. <i>Langmuir</i> , 2016, 32, 1667-1673.	3.5	21

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91	Nanosheets-built flowerlike micro/nanostructured Bi <sub>2</sub> O <sub>3</sub> and its highly efficient iodine removal performances. <i>Chemical Engineering Journal</i> , 2016, 289, 219-230.	12.7	77
92	Response and stability improvement by fusing optimized micro-hotplatform and double layer bowl-like nano arrays. <i>Sensors and Actuators B: Chemical</i> , 2016, 231, 450-457.	7.8	9
93	A functional hydrogel film attached with a 2D Au nanosphere array and its ultrahigh optical diffraction intensity as a visualized sensor. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2117-2122.	5.5	45
94	Copper nanoparticle@graphene composite arrays and their enhanced catalytic performance. <i>Acta Materialia</i> , 2016, 105, 59-67.	7.9	62
95	Detection of dimethyl methylphosphonate by thin water film confined surface-enhanced Raman scattering method. <i>Journal of Hazardous Materials</i> , 2016, 303, 94-100.	12.4	15
96	Water bath synthesis and enhanced photocatalytic performances of urchin-like micro/nanostructured $\gamma$ -FeOOH. <i>Journal of Materials Research</i> , 2015, 30, 1629-1638.	2.6	21
97	Monodispersed Particles: Monodispersed Nb <sub>2</sub> O <sub>5</sub> Microspheres: Facile Synthesis, Air/Water Interfacial Self-Assembly, Nb <sub>2</sub> O <sub>5</sub> -Based Composite Films, and Their Selective NO <sub>2</sub> Sensing ( <i>Adv. Mater. Interfaces</i> 11/2015). <i>Advanced Materials Interfaces</i> , 2015, 2, 1500167.	3.7	2
98	Monodispersed Nb <sub>2</sub> O <sub>5</sub> Microspheres: Facile Synthesis, Air/Water Interfacial Self-Assembly, Nb <sub>2</sub> O <sub>5</sub> -Based Composite Films, and Their Selective NO <sub>2</sub> Sensing. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500167.	3.7	62
99	Spherical Nanoparticle Arrays with Tunable Nanogaps and Their Hydrophobicity Enhanced Rapid SERS Detection by Localized Concentration of Droplet Evaporation. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500031.	3.7	78
100	Electrophoretic fabrication of silver nanostructure/zinc oxide nanorod heterogeneous arrays with excellent SERS performance. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1724-1731.	5.5	14
101	Micro/Nano Gas Sensors: A New Strategy Towards In-Situ Wafer-Level Fabrication of High-Performance Gas Sensing Chips. <i>Scientific Reports</i> , 2015, 5, 10507.	3.3	53
102	Quantum dot-assembled mesoporous CuO nanospheres based on laser ablation in water. <i>RSC Advances</i> , 2015, 5, 19479-19483.	3.6	12
103	Aligned gold nanobowl arrays: their fabrication, anisotropic optical response and optical grating applications. <i>Journal of Materials Chemistry C</i> , 2015, 3, 51-57.	5.5	18
104	Rapid Synthesis of Monodisperse Au Nanospheres through a Laser Irradiation-Induced Shape Conversion, Self-Assembly and Their Electromagnetic Coupling SERS Enhancement. <i>Scientific Reports</i> , 2015, 5, 7686.	3.3	114
105	Micro/nanostructured porous Fe <sup>3+</sup> /Ni binary oxide and its enhanced arsenic adsorption performances. <i>Journal of Colloid and Interface Science</i> , 2015, 458, 94-102.	9.4	45
106	Janus gas: reversible redox transition of Sarin enables its selective detection by an ethanol modified nanoporous SnO <sub>2</sub> chemiresistor. <i>Chemical Communications</i> , 2015, 51, 8193-8196.	4.1	31
107	In situ synthesis of porous array films on a filament induced micro-gap electrode pair and their use as resistance-type gas sensors with enhanced performances. <i>Nanoscale</i> , 2015, 7, 14264-14271.	5.6	24
108	Fabrication of silver nanoplate hierarchical turreted ordered array and its application in trace analyses. <i>Chemical Communications</i> , 2015, 51, 6609-6612.	4.1	36

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109	Optical sensor based on hydrogel films with 2D colloidal arrays attached on both the surfaces: anti-curling performance and enhanced optical diffraction intensity. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3659-3665.	5.5	40
110	Self-curved coral-like $\text{Al}_2\text{O}_3$ nanoplates for use as an adsorbent. <i>Journal of Colloid and Interface Science</i> , 2015, 453, 244-251.	9.4	38
111	Fabrication of gold and silver hierarchically micro/nanostructured arrays by localized electrocrystallization for application as SERS substrates. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5709-5714.	5.5	19
112	Black Gold: Plasmonic Colloidosomes with Broadband Absorption Self-Assembled from Monodispersed Gold Nanospheres by Using a Reverse Emulsion System. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9596-9600.	13.8	189
113	Micro/nano-scaled carbon spheres based on hydrothermal carbonization of agarose. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 484, 386-393.	4.7	53
114	Physical Deposition Improved SERS Stability of Morphology Controlled Periodic Micro/Nanostructured Arrays Based on Colloidal Templates. <i>Small</i> , 2015, 11, 844-853.	10.0	138
115	Sodium-Doped ZnO Nanowires Grown by High-pressure PLD and their Acceptor-Related Optical Properties. <i>Journal of the American Ceramic Society</i> , 2014, 97, 2177-2184.	3.8	26
116	Hierarchical ZnO films with microplate/nanohole structures induced by precursor concentration and colloidal templates, their superhydrophobicity, and enhanced photocatalytic performance. <i>Journal of Materials Research</i> , 2014, 29, 115-122.	2.6	10
117	A controlled Ag-Au bimetallic nanoshelled microsphere array and its improved surface-enhanced Raman scattering effect. <i>RSC Advances</i> , 2014, 4, 8758.	3.6	25
118	Wet Etching-Assisted Colloidal Lithography: A General Strategy toward Nanodisk and Nanohole Arrays on Arbitrary Substrates. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 9207-9213.	8.0	32
119	Tungsten oxide nanostructures based on laser ablation in water and a hydrothermal route. <i>CrystEngComm</i> , 2014, 16, 2491-2498.	2.6	28
120	Gold Binary-Structured Arrays Based on Monolayer Colloidal Crystals and Their Optical Properties. <i>Small</i> , 2014, 10, 2374-2381.	10.0	25
121	Controllable Synthesis of Well-aligned ZnO Nanorod Arrays on Varying Substrates via Rapid Electrodeposition. <i>Journal of Materials Science and Technology</i> , 2014, 30, 1118-1123.	10.7	15
122	Optical Materials: Gold Binary-Structured Arrays Based on Monolayer Colloidal Crystals and Their Optical Properties ( <i>Small</i> 12/2014). <i>Small</i> , 2014, 10, 2373-2373.	10.0	0
123	Cu-ZnO Micro/Nanoporous Array-Film-Based Chemosensors: New Sensing Properties to $\text{H}_2\text{S}$ . <i>Chemistry - A European Journal</i> , 2014, 20, 6040-6046.	3.3	64
124	Fabrication of Gold Nanoparticles by Laser Ablation in Liquid and Their Application for Simultaneous Electrochemical Detection of $\text{Cd}^{2+}$ , $\text{Pb}^{2+}$ , $\text{Cu}^{2+}$ , $\text{Hg}^{2+}$ . <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 65-71.	8.0	155
125	Au nanoparticle-built mesoporous films based on co-electrophoresis deposition and selective etching. <i>Electrochemistry Communications</i> , 2014, 46, 71-74.	4.7	6
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