Qing Huang

List of Publications by Year
in descending order

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174	12,341	47006 47	27406 106
papers	citations	h-index	g-index

180	180	180	15052
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Pros and Cons of Soybean Bioactive Compounds: An Overview. Food Reviews International, 2023, 39, 5104-5131.	8.4	9
2	Effect of Aâ€site atom on static corrosion behavior and irradiation damage of Ti₂SC phases. Journal of the American Ceramic Society, 2022, 105, 1386-1393.	3.8	2
3	Low-temperature plasma promotes growth of Haematococcus pluvialis and accumulation of astaxanthin by regulating histone H3 lysine 4 tri-methylation. Bioresource Technology, 2022, 343, 126095.	9.6	11
4	Degradation of tetracycline by atmospheric-pressure non-thermal plasma: Enhanced performance, degradation mechanism, and toxicity evaluation. Science of the Total Environment, 2022, 812, 152455.	8.0	28
5	Green synthesis of broccoli-derived carbon quantum dots as effective photosensitizers for the PDT effect testified in the model of mutant Caenorhabditis elegans. Biomaterials Science, 2022, 10, 2857-2864.	5.4	15
6	DFT-based Raman spectral study of astaxanthin geometrical isomers. Food Chemistry Molecular Sciences, 2022, 4, 100103.	2.1	2
7	Lattice Matching and Halogen Regulation for Synergistically Induced Uniform Zinc Electrodeposition by Halogenated Ti₃C₂ MXenes. ACS Nano, 2022, 16, 813-822.	14.6	90
8	Theoretical and experimental study of the infrared and Raman spectra of L-lysine acetylation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 278, 121371.	3.9	4
9	Monitoring of circulating exosomal immuno checkpoint in tumor microenvironment through ultrasensitive aptamer-functionalized SERS probes. Biosensors and Bioelectronics: X, 2022, 12, 100177.	1.7	1
10	Study of the synergistic effect of singlet oxygen with other plasma-generated ROS in fungi inactivation during water disinfection. Science of the Total Environment, 2022, 838, 156576.	8.0	17
11	Universal Principle for Large-Scale Production of a High-Quality Two-Dimensional Monolayer via Positive Charge-Driven Exfoliation. Journal of Physical Chemistry Letters, 2022, 13, 6597-6603.	4.6	6
12	Study of detoxification of methyl parathion by dielectric barrier discharge (DBD) non-thermal plasma at gas-liquid interfaceï¼šmechanism and bio-toxicity evaluation. Chemosphere, 2022, 307, 135620.	8.2	14
13	Assessment of the antioxidant activities of representative optical and geometric isomers of astaxanthin against singlet oxygen in solution by a spectroscopic approach. Food Chemistry, 2022, 395, 133584.	8.2	13
14	Ultrafine Pt stabilized on Ti3C2Tx/reduced graphene oxide nanocomposites for alcohol oxidation reaction (AOR). Materials Letters, 2021, 285, 129082.	2.6	4
15	Low Dose of Trichostatin A Improves Radiation Resistance by Activating Akt/Nrf2-Dependent Antioxidation Pathway in Cancer Cells. Radiation Research, 2021, 195, 366-377.	1.5	8
16	Halogenated Ti₃C₂ MXenes with Electrochemically Active Terminals for High-Performance Zinc Ion Batteries. ACS Nano, 2021, 15, 1077-1085.	14.6	183
17	Ganoderic acid T improves the radiosensitivity of HeLa cells via converting apoptosis to necroptosis. Toxicology Research, 2021, 10, 531-541.	2.1	13
18	Aptamer-functionalized Au nanoparticles array as the effective SERS biosensor for label-free detection of interleukin-6 in serum. Sensors and Actuators B: Chemical, 2021, 334, 129607.	7.8	51

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19	A green and facile approach to a graphene-based peroxidase-like nanozyme and its application in sensitive colorimetric detection of l-cysteine. Analytical and Bioanalytical Chemistry, 2021, 413, 4013-4022.	3.7	19
20	A review of aptamer-based SERS biosensors: Design strategies and applications. Talanta, 2021, 227, 122188.	5.5	76
21	SERS Approach to Probe the Adsorption Process of Trace Volatile Benzaldehyde on Layered Double Hydroxide Material. Analytical Chemistry, 2021, 93, 8228-8237.	6.5	26
22	Electrochemical Lithium Storage Performance of Molten Salt Derived V2SnC MAX Phase. Nano-Micro Letters, 2021, 13, 158.	27.0	23
23	Determination of chlorogenic acid in Eucommia ulmoides Oliver extracts by near-infrared spectroscopy. Spectroscopy Letters, 2021, 54, 571-580.	1.0	3
24	In situ observation of mitochondrial biogenesis as the early event of apoptosis. IScience, 2021, 24, 103038.	4.1	11
25	Near-room temperature ferromagnetic behavior of single-atom-thick 2D iron in nanolaminated ternary MAX phases. Applied Physics Reviews, 2021, 8, .	11.3	14
26	Single-step synthesis of AgNPs@rGO composite by e-beam from DC-plasma for wound-healing band-aids. Chemical Engineering Journal Advances, 2021, 8, 100185.	5.2	1
27	DFT and Raman study of all-trans astaxanthin optical isomers. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 262, 120143.	3.9	8
28	Study on removal of Microcystis aeruginosa and Cr (VI) using attapulgite-Fe3O4 magnetic composite material (MCM). Algal Research, 2021, 60, 102501.	4.6	7
29	Regulating the synthesis rate and yield of bio-assembled FeS nanoparticles for efficient cancer therapy. Nanoscale, 2021, 13, 18977-18986.	5.6	17
30	Highly Sensitive Detection of Elevated Exosomal miR-122 Levels in Radiation Injury and Hepatic Inflammation Using an Aptamer-Functionalized SERS-Sandwich Assay. ACS Applied Bio Materials, 2021, 4, 8386-8395.	4.6	13
31	A facile and label-free SERS approach for inspection of fipronil in chicken eggs using SiO2@Au core/shell nanoparticles. Talanta, 2020, 207, 120324.	5.5	34
32	Assessment of norfloxacin degradation induced by plasma-produced ozone using surface-enhanced Raman spectroscopy. Chemosphere, 2020, 238, 124618.	8.2	36
33	Two-dimensional semiconducting Lu₂CT₂(T = F, OH) MXene with low work function and high carrier mobility. Nanoscale, 2020, 12, 3795-3802.	5.6	30
34	Mo₂B, an MBene member with high electrical and thermal conductivities, and satisfactory performances in lithium ion batteries. Nanoscale Advances, 2020, 2, 347-355.	4.6	38
35	Multielemental singleâ€“atom-thick A layers in nanolaminated V ₂ (Sn, A) C () Tj ETQq1 1 0.784314 rgBT / Sciences of the United States of America, 2020, 117, 820-825.	7.1	84
36	Transcriptomic and metabolic analysis of an astaxanthin-hyperproducing Haematococcus pluvialis mutant obtained by low-temperature plasma (LTP) mutagenesis under high light irradiation. Algal Research, 2020, 45, 101746.	4.6	24

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37	Application of persulfate in low-temperature atmospheric-pressure plasma jet for enhanced treatment of onychomycosis. Plasma Science and Technology, 2020, 22, 025503.	1.5	5
38	Remodeling Chromatin Induces Z-DNA Conformation Detected through Fourier Transform Infrared Spectroscopy. Analytical Chemistry, 2020, 92, 14452-14458.	6.5	8
39	Exogenous Î³-aminobutyric acid promotes biomass and astaxanthin production in Haematococcus pluvialis. Algal Research, 2020, 52, 102089.	4.6	24
40	Ganoderic acid D induces synergistic autophagic cell death except for apoptosis in ESCC cells. Journal of Ethnopharmacology, 2020, 262, 113213.	4.1	17
41	Theoretical exploration on the vibrational and mechanical properties of M₃C₂/M₃C₂T₂ MXenes. International Journal of Quantum Chemistry, 2020, 120, e26409.	2.0	10
42	Surface-Enhanced Raman Spectroscopy for Trace Detection of Tetracycline and Dicyandiamide in Milk Using Transparent Substrate of Ag Nanoparticle Arrays. ACS Applied Nano Materials, 2020, 3, 7066-7075.	5.0	52
43	Degradation of 3,3â€²,4,4â€²-tetrachlorobiphenyl (PCB77) by dielectric barrier discharge (DBD) non-thermal plasma: Degradation mechanism and toxicity evaluation. Science of the Total Environment, 2020, 739, 139926.	8.0	32
44	Stimulation of biomass and astaxanthin accumulation in Haematococcus pluvialis using low-temperature plasma (LTP). Bioresource Technology Reports, 2020, 9, 100385.	2.7	8
45	Raman and IR spectroscopic modality for authentication of turmeric powder. Food Chemistry, 2020, 320, 126567.	8.2	30
46	Study of the toxicity of ZnO nanoparticles to Chlorella sorokiniana under the influence of phosphate: spectroscopic quantification, photosynthetic efficiency and gene expression analysis. Environmental Science: Nano, 2020, 7, 1431-1443.	4.3	12
47	Plasma synthesis of highly dispersed Pt nanoparticles on reduced graphene oxide-molybdenum disulfide nanosheets as efficient electrocatalysts for methanol oxidation reaction. Materials Letters, 2020, 276, 128258.	2.6	19
48	Electric Field Effect on the Reactivity of Solid State Materials: The Case of Single Layer Graphene. Advanced Functional Materials, 2020, 30, 1909269.	14.9	10
49	A general Lewis acidic etching route for preparing MXenes with enhanced electrochemical performance in non-aqueous electrolyte. Nature Materials, 2020, 19, 894-899.	27.5	870
50	Raman micro-spectroscopy monitoring of cytochrome c redox state in Candida utilis during cell death under low-temperature plasma-induced oxidative stress. Analyst, The, 2020, 145, 3922-3930.	3.5	14
51	First-principles study of magnetism in some novel MXene materials. RSC Advances, 2020, 10, 44430-44436.	3.6	11
52	Single-Atom-Thick Active Layers Realized in Nanolaminated Ti₃(Al_xCu_{1â€“x})C₂ and Its Artificial Enzyme Behavior. ACS Nano, 2019, 13, 9198-9205.	14.6	59
53	Synthesis of MAX phases Nb₂CuC and Ti₂(Al_{0.1}Cu_{0.9})N by A-site replacement reaction in molten salts. Materials Research Letters, 2019, 7, 510-516.	8.7	58
54	Two-Dimensional Hydroxyl-Functionalized and Carbon-Deficient Scandium Carbide, Sc_xOH, a Direct Band Gap Semiconductor. ACS Nano, 2019, 13, 1195-1203.	14.6	30

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55	Label-free SERS diagnostics of radiation-induced injury via detecting the biomarker Raman signal in the serum and urine bio-samples based on Au-NPs array substrates. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 223, 117282.	3.9	18
56	Potassium Iodide Potentiates Bacterial Killing by Helium Atmospheric Pressure Plasma Jet. ACS Omega, 2019, 4, 8365-8372.	3.5	5
57	Sers as an Effective Probe to Adsorption and Conformation of Biomolecules on the Metal Surfaces. Biophysical Journal, 2019, 116, 568a.	0.5	0
58	Mutual Identification between the Pressure-Induced Superlubricity and the Image Contrast Inversion of Carbon Nanostructures from AFM Technology. Journal of Physical Chemistry Letters, 2019, 10, 1498-1504.	4.6	13
59	Tuning the Electrical Conductivity of Ti₂CO₂ MXene by Varying the Layer Thickness and Applying Strains. Journal of Physical Chemistry C, 2019, 123, 6802-6811.	3.1	49
60	Element Replacement Approach by Reaction with Lewis Acidic Molten Salts to Synthesize Nanolaminated MAX Phases and MXenes. Journal of the American Chemical Society, 2019, 141, 4730-4737.	13.7	811
61	Understanding the infrared and Raman spectra of ganoderic acid A: An experimental and DFT study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 210, 372-380.	3.9	6
62	Adsorption Behaviors and Phase Equilibria for Clathrate Hydrates of Sulfur- and Nitrogen-Containing Small Molecules. Journal of Physical Chemistry C, 2019, 123, 2691-2702.	3.1	10
63	Is level of acetylation directly correlated to radiation sensitivity of cancer cell?. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2019, 813, 13-19.	1.0	3
64	Residual thermal stress of SiC/Ti₃SiC₂/SiC joints calculation and relaxed by postannealing. International Journal of Applied Ceramic Technology, 2018, 15, 1157-1165.	2.1	17
65	Degradation of 2, 4-dichlorophenol in aqueous solution by dielectric barrier discharge: Effects of plasma-working gases, degradation pathways and toxicity assessment. Chemosphere, 2018, 204, 351-358.	8.2	52
66	Assessment of Polysaccharides from Mycelia of genus Ganoderma by Mid-Infrared and Near-Infrared Spectroscopy. Scientific Reports, 2018, 8, 10.	3.3	139
67	Non-thermal hydrogen plasma processing effectively increases the antibacterial activity of graphene oxide. Applied Physics Letters, 2018, 112, .	3.3	13
68	FTIR Microspectroscopy Probes Particle-Radiation Effect on HCT116 cells (p53+/+, p53â€“/â€“). Radiation Research, 2018, 189, 156-164.	1.5	5
69	Fabrication of a Novel Transparent SERS Substrate Comprised of Ag-nanoparticle Arrays and its Application in Rapid Detection of Ractopamine on Meat. Food Analytical Methods, 2018, 11, 2329-2335.	2.6	28
70	A label-free SERS approach to quantitative and selective detection of mercury (II) based on DNA aptamer-modified SiO2@Au core/shell nanoparticles. Sensors and Actuators B: Chemical, 2018, 258, 365-372.	7.8	74
71	Effect of chloride on bacterial inactivation by discharge plasma at the gasâ€“solution interface: Potentiation or attenuation?. Plasma Processes and Polymers, 2018, 15, 1700153.	3.0	12
72	Dielectric Barrier Discharge Plasma Activates Persulfate to Degrade Norfloxacin: Mechanism and Degradation Pathways. Plasma Medicine, 2018, 8, 321-333.	0.6	12

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73	Improved production of polysaccharides in Ganoderma lingzhi mycelia by plasma mutagenesis and rapid screening of mutated strains through infrared spectroscopy. PLoS ONE, 2018, 13, e0204266.	2.5	20
74	Two-Dimensional Lamellar Mo₂C for Electrochemical Hydrogen Production: Insights into the Origin of Hydrogen Evolution Reaction Activity in Acidic and Alkaline Electrolytes. ACS Applied Materials & Interfaces, 2018, 10, 40500-40508.	8.0	38
75	DFT and SERS Study of <scp>l</scp>-Cysteine Adsorption on the Surface of Gold Nanoparticles. Journal of Physical Chemistry C, 2018, 122, 15241-15251.	3.1	52
76	First-principles study on the electrical and thermal properties of the semiconducting Sc₃(CN)F₂ MXene. RSC Advances, 2018, 8, 22452-22459.	3.6	24
77	Detection of Azo Dyes in Curry Powder Using a 1064-nm Dispersive Point-Scan Raman System. Applied Sciences (Switzerland), 2018, 8, 564.	2.5	21
78	A Simple Surface-Enhanced Raman Spectroscopic Method for on-Site Screening of Tetracycline Residue in Whole Milk. Sensors, 2018, 18, 424.	3.8	49
79	Degradation of norfloxacin in aqueous solution by atmospheric-pressure non-thermal plasma: Mechanism and degradation pathways. Chemosphere, 2018, 210, 433-439.	8.2	81
80	A microfluidic surface-enhanced Raman spectroscopy approach for assessing the particle number effect of AgNPs on cytotoxicity. Ecotoxicology and Environmental Safety, 2018, 162, 529-535.	6.0	14
81	Uptake of silver nanoparticles by DHA-treated cancer cells examined by surface-enhanced Raman spectroscopy in a microfluidic chip. Lab on A Chip, 2017, 17, 1306-1313.	6.0	28
82	Structures and Mechanical and Electronic Properties of the Ti2CO2 MXene Incorporated with Neighboring Elements (Sc, V, B and N). Journal of Electronic Materials, 2017, 46, 2460-2466.	2.2	68
83	Highly effective removal of malachite green from aqueous solution by hydrochar derived from phycocyanin-extracted algal bloom residues through hydrothermal carbonization. RSC Advances, 2017, 7, 5790-5799.	3.6	70
84	Enhanced thermal properties of poly(vinylidene fluoride) composites with ultrathin nanosheets of MXene. RSC Advances, 2017, 7, 20494-20501.	3.6	242
85	Facile preparation of in situ coated Ti₃C₂T_x/Ni_{0.5}Zn_{0.5}Fe₂O₄ composites and their electromagnetic performance. RSC Advances, 2017, 7, 24698-24708.	3.6	210
86	DFT and SERS Study of ¹⁵N Full-Labeled Adenine Adsorption on Silver and Gold Surfaces. Journal of Physical Chemistry C, 2017, 121, 9869-9878.	3.1	45
87	3D Graphene Oxide Micropatterns Achieved by Rollerâ€Assisted Microcontact Printing Induced Interface Integral Peel and Transfer. Advanced Materials Interfaces, 2017, 4, 1600867.	3.7	6
88	Effect of N2/O2 composition on inactivation efficiency of Escherichia coli by discharge plasma at the gas-solution interface. Clinical Plasma Medicine, 2017, 7-8, 1-8.	3.2	29
89	Cytocompatibility of Ti₃AlC₂, Ti₃SiC₂, and Ti₂AlN: In Vitro Tests and First-Principles Calculations. ACS Biomaterials Science and Engineering, 2017, 3, 2293-2301.	5.2	75
90	Effect of electric current on diffusion of aluminum in Ti3AlC2 into zirconium alloy. Journal Wuhan University of Technology, Materials Science Edition, 2017, 32, 645-649.	1.0	3

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91	Surface-enhanced Raman scattering from plasmonic Ag-nanocube@Au-nanospheres core@satellites. Journal of Raman Spectroscopy, 2017, 48, 217-223.	2.5	7
92	Silver-Nanorod Bundles: A Hierarchically Ordered Array of Silver-Nanorod Bundles for Surface-Enhanced Raman Scattering Detection of Phenolic Pollutants (Adv. Mater. 24/2016). Advanced Materials, 2016, 28, 4870-4870.	21.0	8
93	The thermal and electrical properties of the promising semiconductor MXene Hf2CO2. Scientific Reports, 2016, 6, 27971.	3.3	178
94	Histone Acetylation Induced Transformation of B-DNA to Z-DNA in Cells Probed through FT-IR Spectroscopy. Analytical Chemistry, 2016, 88, 4179-4182.	6.5	24
95	A fluorescence approach to the unfolding thermodynamics of horseradish peroxidase based on heme degradation by hydrogen peroxide. Chemical Physics Letters, 2016, 657, 49-52.	2.6	1
96	Effect of protein structure and/or conformation on the dityrosine cross-linking induced by haem-hydrogen peroxide. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 2232-2238.	2.4	6
97	Detection of chemical residues in food oil via surface-enhanced Raman spectroscopy. Proceedings of SPIE, 2016, , .	0.8	0
98	In vivo synthesis of nano-selenium by Tetrahymena thermophila SB210. Enzyme and Microbial Technology, 2016, 95, 185-191.	3.2	44
99	An ordered array of hierarchical spheres for surface-enhanced Raman scattering detection of traces of pesticide. Nanotechnology, 2016, 27, 384001.	2.6	21
100	Isolation and characterization of astaxanthin-hyperproducing mutants of Haematococcus pluvialis (Chlorophyceae) produced by dielectric barrier discharge plasma. Phycologia, 2016, 55, 650-658.	1.4	14
101	Electronic and Transport Properties of Ti₂CO₂ MXene Nanoribbons. Journal of Physical Chemistry C, 2016, 120, 17143-17152.	3.1	46
102	Haem-assisted dityrosine-cross-linking of fibrinogen under non-thermal plasma exposure: one important mechanism of facilitated blood coagulation. Scientific Reports, 2016, 6, 26982.	3.3	36
103	A Hierarchically Ordered Array of Silverâ€Nanorod Bundles for Surfaceâ€Enhanced Raman Scattering Detection of Phenolic Pollutants. Advanced Materials, 2016, 28, 4871-4876.	21.0	333
104	Spectroscopic probe to contribution of physicochemical transformations in the toxicity of aged ZnO NPs to Chlorella vulgaris: new insight into the variation of toxicity of ZnO NPs under aging process. Nanotoxicology, 2016, 10, 1177-1187.	3.0	35
105	Loading Actinides in Multilayered Structures for Nuclear Waste Treatment: The First Case Study of Uranium Capture with Vanadium Carbide MXene. ACS Applied Materials & Interfaces, 2016, 8, 16396-16403.	8.0	214
106	Screening of Astaxanthin-Hyperproducing Haematococcus pluvialis Using Fourier Transform Infrared (FT-IR) and Raman Microspectroscopy. Applied Spectroscopy, 2016, 70, 1639-1648.	2.2	33
107	Highly Sensitive and Selective Surface-Enhanced Raman Spectroscopy Label-free Detection of 3,3â€²,4,4â€²-Tetrachlorobiphenyl Using DNA Aptamer-Modified Ag-Nanorod Arrays. ACS Applied Materials & Interfaces, 2016, 8, 5723-5728.	8.0	74
108	Promising electron mobility and high thermal conductivity in Sc₂CT₂(T = F,) Tj ETQq0 0 0 rgBT /Overlock 10 T	5.6	205

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109	Distinguish the Role of DBD-Accompanying UV-Radiation in the Degradation of Bisphenol A. Plasma Chemistry and Plasma Processing, 2016, 36, 585-598.	2.4	13
110	New insight into the residual inactivation of Microcystis aeruginosa by dielectric barrier discharge. Scientific Reports, 2015, 5, 13683.	3.3	20
111	A Surface-Enhanced Raman Scattering Sensor Integrated with Battery-Controlled Fluidic Device for Capture and Detection of Trace Small Molecules. Scientific Reports, 2015, 5, 12865.	3.3	19
112	Ag Nanoparticleâ€Grafted PANâ€Nanohump Array Films with 3D Highâ€Density Hot Spots as Flexible and Reliable SERS Substrates. Small, 2015, 11, 5452-5459.	10.0	112
113	Assessment of the Effect of Trichostatin A on HeLa Cells through FT-IR Spectroscopy. Analytical Chemistry, 2015, 87, 2511-2517.	6.5	23
114	Electronic structures and mechanical properties of Al(111)/ZrB₂(0001) heterojunctions from first-principles calculation. Molecular Physics, 2015, 113, 1794-1801.	1.7	21
115	Mutagenicity of ZnO nanoparticles in mammalian cells: Role of physicochemical transformations under the aging process. Nanotoxicology, 2015, 9, 972-982.	3.0	42
116	A SERS study of oxidation of glutathione under plasma irradiation. RSC Advances, 2015, 5, 57847-57852.	3.6	14
117	Conformational and vibrational analyses of meta-tyrosine: An experimental and theoretical study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 151, 111-123.	3.9	19
118	Effect of Î³-irradiation on rice seed vigor assessed by near-infrared spectroscopy. Journal of Stored Products Research, 2015, 62, 46-51.	2.6	20
119	CNTs-anchored egg shell membrane decorated with Ag-NPs as cheap but effective SERS substrates. Science China Materials, 2015, 58, 198-203.	6.3	16
120	ZnO-nanotaper array sacrificial templated synthesis of noble-metal building-block assembled nanotube arrays as 3D SERS-substrates. Nano Research, 2015, 8, 957-966.	10.4	62
121	R6G/8-AQ co-functionalized Fe3O4@SiO2 nanoparticles for fluorescence detection of trace Hg2+ and Zn2+ in aqueous solution. Science China Materials, 2015, 58, 550-558.	6.3	9
122	New insight into the helium-induced damage in MAX phase Ti3AlC2 by first-principles studies. Journal of Chemical Physics, 2015, 143, 114707.	3.0	26
123	Uranyl Carboxyphosphonates Derived from Hydrothermal in Situ Ligand Reaction: Syntheses, Structures, and Computational Investigations. Inorganic Chemistry, 2015, 54, 8617-8624.	4.0	24
124	Exploring the potential of exfoliated ternary ultrathin Ti₄AlN₃ nanosheets for fabricating hybrid patterned polymer brushes. RSC Advances, 2015, 5, 70339-70344.	3.6	30
125	Î²-Cyclodextrin coated SiO₂@Au@Ag coreâ€“shell nanoparticles for SERS detection of PCBs. Physical Chemistry Chemical Physics, 2015, 17, 21149-21157.	2.8	45
126	SERS study of transformation of phenylalanine to tyrosine under particle irradiation. Journal of Molecular Structure, 2014, 1072, 195-202.	3.6	12

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127	Inactivation of Microcystis aeruginosa by DC glow discharge plasma: Impacts on cell integrity, pigment contents and microcystins degradation. Journal of Hazardous Materials, 2014, 268, 33-42.	12.4	55
128	Flexible membranes of Ag-nanosheet-grafted polyamide-nanofibers as effective 3D SERS substrates. Nanoscale, 2014, 6, 4781.	5.6	92
129	Label-free selective SERS detection of PCB-77 based on DNA aptamer modified SiO2@Au core/shell nanoparticles. Analyst, The, 2014, 139, 3083.	3.5	50
130	Ag-nanoparticle-decorated Au-fractal patterns on bowl-like-dimple arrays on Al foil as an effective SERS substrate for the rapid detection of PCBs. Chemical Communications, 2014, 50, 569-571.	4.1	30
131	Ag-nanoparticles-decorated NiO-nanoflakes grafted Ni-nanorod arrays stuck out of porous AAO as effective SERS substrates. Physical Chemistry Chemical Physics, 2014, 16, 3686.	2.8	39
132	Urchin-like Au-nanoparticles@Ag-nanohemisphere arrays as active SERS-substrates for recognition of PCBs. RSC Advances, 2014, 4, 19654-19657.	3.6	15
133	Iodeosin-based fluorescent and colorimetric sensing for Ag⁺, Hg²⁺, Fe³⁺, and further for halide ions in aqueous solution. RSC Advances, 2014, 4, 8055-8058.	3.6	17
134	Polyacrylic acid sodium salt film entrapped Ag-nanocubes as molecule traps for SERS detection. Nano Research, 2014, 7, 1177-1187.	10.4	29
135	Ordered arrays of Au-nanobowls loaded with Ag-nanoparticles as effective SERS substrates for rapid detection of PCBs. Nanotechnology, 2014, 25, 145605.	2.6	36
136	Nano-petri-dish Array Assisted Glancing Angle Sputtering for Ag-NP Assembled Bi-nanoring Arrays as Effective SERS Substrates. ACS Applied Materials & Interfaces, 2014, 6, 7991-7995.	8.0	23
137	Improved sensitivity of polychlorinated-biphenyl-orientated porous-ZnO surface photovoltage sensors from chemisorption-formed ZnO-CuPc composites. Scientific Reports, 2014, 4, 4284.	3.3	19
138	Fluorophore-modified Fe3O4-magnetic-nanoparticles for determination of heavy metal ions in water. Sensors and Actuators B: Chemical, 2013, 185, 47-52.	7.8	15
139	Plasmonic nanorod arrays for enhancement of single-molecule detection. Chemical Communications, 2013, 49, 11743.	4.1	11
140	Label-free selective detection of coralyne due to aptamerâ€“coralyne interaction using DNA modified SiO2@Au coreâ€“shell nanoparticles as an effective SERS substrate. Analytical Methods, 2013, 5, 3927.	2.7	28
141	Gap-tunable Ag-nanorod arrays on alumina nanotip arrays as effective SERS substrates. Journal of Materials Chemistry C, 2013, 1, 5015.	5.5	53
142	Largeâ€area Ag nanorod array substrates for SERS: AAO templateâ€assisted fabrication, functionalization, and application in detection PCBs. Journal of Raman Spectroscopy, 2013, 44, 240-246.	2.5	119
143	Large-scale uniform Ag-NW tip array with enriched sub-10-nm gaps as SERS substrate for rapid determination of trace PCB77. Applied Surface Science, 2013, 271, 125-130.	6.1	16
144	Ostwaldâ€Ripeningâ€Induced Growth of Parallel Faceâ€Exposed Ag Nanoplates on Microâ€Hemispheres for High SERS Activity. Chemistry - A European Journal, 2013, 19, 9211-9217.	3.3	15

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145	Destructive extraction of phospholipids from Escherichia coli membranes by graphene nanosheets. Nature Nanotechnology, 2013, 8, 594-601.	31.5	1,260
146	Study of energetic-particle-irradiation induced biological effect on Rhizopus oryzae through synchrotron-FTIR micro-spectroscopy. Journal of Molecular Structure, 2013, 1031, 1-8.	3.6	6
147	Assessment of Damage of Glutathione by Glow Discharge Plasma at the Gasâ€“Solution Interface through Raman Spectroscopy. Plasma Processes and Polymers, 2013, 10, 181-188.	3.0	28
148	Inactivation and Heme Degradation of Horseradish Peroxidase Induced by Discharge Plasma. Plasma Processes and Polymers, 2013, 10, 731-739.	3.0	52
149	Large-scale homogeneously distributed Ag-NPs with sub-10 nm gaps assembled on a two-layered honeycomb-like TiO2film as sensitive and reproducible SERS substrates. Nanotechnology, 2012, 23, 385705.	2.6	33
150	Galvanicâ€Cellâ€Induced Growth of Ag Nanosheetâ€Assembled Structures as Sensitive and Reproducible SERS Substrates. Chemistry - A European Journal, 2012, 18, 14948-14953.	3.3	33
151	Degradation of microcystin-LR in water by glow discharge plasma oxidation at the gasâ€“solution interface and its safety evaluation. Water Research, 2012, 46, 6554-6562.	11.3	83
152	Study of Energetic Particle Induced Biological Effect through FTIR and Raman Micro-Spectroscopy. Biophysical Journal, 2012, 102, 589a-590a.	0.5	1
153	A silica xerogel thin film based fluorescent sensor for pentachlorophenol rapid trace detection. Sensors and Actuators B: Chemical, 2012, 171-172, 332-337.	7.8	17
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