Zhong-Qun Tian

List of Publications by Year
in descending order

559 papers	43,362 citations	2975 93 h-index	3034 188 g-index
606 all docs	606 docs citations	606 times ranked	34007 citing authors

#	Article	IF	Citations
1	Kinetic Investigation of a Cucurbit[7]uril-Based Pseudo[6]rotaxane System by Microfluidic Nuclear Magnetic Resonance. CCS Chemistry, 2022, 4, 557-565.	7.8	5
2	Electrochemical hydrogen-storage capacity of graphene can achieve a carbon-hydrogen atomic ratio of 1:1. Science China Chemistry, 2022, 65, 318-321.	8.2	5
3	In Situ Raman Probing of Hotâ€Electron Transfer at Goldâ€“Graphene Interfaces with Atomic Layer Accuracy. Angewandte Chemie - International Edition, 2022, 61, .	13.8	24
4	Investigating Why Sulfurization Can Greatly Improve Ethanol Selectivity for Carbon Dioxide Electroreduction. CCS Chemistry, 2022, 4, 3319-3328.	7.8	3
5	Unmasking the Critical Role of the Ordering Degree of Bimetallic Nanocatalysts on Oxygen Reduction Reaction by In Situ Raman Spectroscopy. Angewandte Chemie, 2022, 134, .	2.0	3
6	Unmasking the Critical Role of the Ordering Degree of Bimetallic Nanocatalysts on Oxygen Reduction Reaction by In Situ Raman Spectroscopy. Angewandte Chemie - International Edition, 2022, 61, .	13.8	25
7	Revealing the synergistic effect of capillary force and electrostatic attraction for D-SERS sensitivity. Chemical Communications, 2022, 58, 3953-3956.	4.1	4
8	Plasmonic Photoelectrochemical Coupling Reactions of para-Aminobenzoic Acid on Nanostructured Gold Electrodes. Journal of the American Chemical Society, 2022, 144, 3821-3832.	13.7	17
9	Exploring the Effect of Pd on the Oxygen Reduction Performance of Pt by In Situ Raman Spectroscopy. Analytical Chemistry, 2022, 94, 4779-4786.	6.5	18
10	Plasmonic photoelectrochemical reactions on noble metal electrodes of nanostructures. Current Opinion in Electrochemistry, 2022, 34, 100985.	4.8	4
11	Spatially-separated and photo-enhanced semiconductor corrosion processes for high-efficient and contamination-free electrochemical nanoimprint lithography. Science China Chemistry, 2022, 65, 810-820.	8.2	6
12	The fabrication, characterization and functionalization in molecular electronics. International Journal of Extreme Manufacturing, 2022, 4, 022003.	12.7	23
13	Revealing the Interaction of Charge Carrierâ€“Phonon Coupling by Quantification of Electronic Properties at the SrTiO₃/TiO₂ Heterointerface. Nano Letters, 2022, 22, 2755-2761.	9.1	4
14	Catassemblers Mediate Feedback Loops to Regulate the Complex Molecular Assembly Networks. , 2022, , .		0
15	A DFT and SERS study of synergistic roles of thermodynamics and kinetics during the electrocatalytic reduction of benzyl chloride at silver cathodes. Journal of Electroanalytical Chemistry, 2022, 914, 116267.	3.8	4
16	Gap-mode plasmons at 2Ânm spatial-resolution under a graphene-mediated hot spot. Nano Today, 2022, 44, 101464.	11.9	8
17	In situ Raman spectroscopy reveals the structure evolution and lattice oxygen reaction pathway induced by the crystallineâ€“amorphous heterojunction for water oxidation. Chemical Science, 2022, 13, 5639-5649.	7.4	14
18	Statistical Strategy for Quantitative Evaluation of Plasmon-Enhanced Spectroscopy. ACS Photonics, 2022, 9, 1733-1740.	6.6	3

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19	Qualitative analysis of trace quinolone antibiotics by SERS with fine structure dependent sensitivity. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 278, 121365.	3.9	3
20	In situ lattice tuning of quasi-single-crystal surfaces for continuous electrochemical modulation. Chemical Science, 2022, 13, 7765-7772.	7.4	8
21	Rapid qualitative and quantitative analysis of trace aconitum phytotoxin by SERS. Food Chemistry, 2022, 391, 133234.	8.2	5
22	Efficient plasmon-enhanced perovskite solar cells by molecularly isolated gold nanorods. Journal of Energy Chemistry, 2022, , .	12.9	1
23	Supramolecular copolymerization through self-correction of non-polymerizable transient intermediates. Chemical Science, 2022, 13, 7796-7804.	7.4	1
24	Insight into the Heterogeneity of Longitudinal Plasmonic Field in a Nanocavity Using an Intercalated Two-Dimensional Atomic Crystal Probe with a â^¼7 Ã... Resolution. Journal of the American Chemical Society, 2022, 144, 13174-13183.	13.7	4
25	In Situ Probe of the Hydrogen Oxidation Reaction Intermediates on PtRu a Bimetallic Catalyst Surface by Coreâ€“Shell Nanoparticle-Enhanced Raman Spectroscopy. Nano Letters, 2022, 22, 5544-5552.	9.1	32
26	Potential-Driven Restructuring of Cu Single Atoms to Nanoparticles for Boosting the Electrochemical Reduction of Nitrate to Ammonia. Journal of the American Chemical Society, 2022, 144, 12062-12071.	13.7	192
27	Natural <3Ânm Interbedded Gaps to Trap Target Molecules and Provide an Enhanced Raman Spectroscopy Method. Advanced Optical Materials, 2022, 10, .	7.3	7
28	Visualization of a Machine Learning Framework toward Highly Sensitive Qualitative Analysis by SERS. Analytical Chemistry, 2022, 94, 10151-10158.	6.5	8
29	Inhomogeneity of fluorescence lifetime and intensity in a plasmonic nanocavity. Nano Today, 2022, 45, 101548.	11.9	4
30	In situ Raman spectroscopy reveals the mechanism of titanium substitution in P2â€“Na2/3Ni1/3Mn2/3O2: Cathode materials for sodium batteries. Journal of Energy Chemistry, 2021, 53, 323-328.	12.9	33
31	Grapheneâ€coated Au nanoparticleâ€enhanced Raman spectroscopy. Journal of Raman Spectroscopy, 2021, 52, 439-445.	2.5	14
32	Attenuated total reflectionâ€cascading nanostructureâ€enhanced Raman spectroscopy on flat surfaces: A nanoâ€optical design. Journal of Raman Spectroscopy, 2021, 52, 446-457.	2.5	2
33	Plasmon mediated photoelectrochemical transformations: The example of para-aminothiophenol. Electrochimica Acta, 2021, 367, 137485.	5.2	8
34	Spectroscopic Verification of Adsorbed Hydroxy Intermediates in the Bifunctional Mechanism of the Hydrogen Oxidation Reaction. Angewandte Chemie - International Edition, 2021, 60, 5708-5711.	13.8	81
35	Coreâ€“Shellâ€“Satellite Plasmonic Photocatalyst for Broad-Spectrum Photocatalytic Water Splitting. , 2021, 3, 69-76.		59
36	Spectroscopic Verification of Adsorbed Hydroxy Intermediates in the Bifunctional Mechanism of the Hydrogen Oxidation Reaction. Angewandte Chemie, 2021, 133, 5772-5775.	2.0	8

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37	Charged droplet-driven fast formation of nickelâ€“iron (oxy)hydroxides with rich oxygen defects for boosting overall water splitting. Journal of Materials Chemistry A, 2021, 9, 20058-20067.	10.3	28
38	Inspecting the structural characteristics of chiral drug penicillamine under different pH conditions using Raman optical activity spectroscopy and DFT calculations. Physical Chemistry Chemical Physics, 2021, 23, 22119-22132.	2.8	0
39	A New Approach for Quantitative Surfaceâ€Enhanced Raman Spectroscopy through the Kinetics of Chemisorption. Small Methods, 2021, 5, e2000993.	8.6	14
40	Molecular Insight of the Critical Role of Ni in Pt-Based Nanocatalysts for Improving the Oxygen Reduction Reaction Probed Using an In Situ SERS Borrowing Strategy. Journal of the American Chemical Society, 2021, 143, 1318-1322.	13.7	105
41	Preface to the special issue dedicated to Professor Richard P. Van Duyne (1945â€“2019). Journal of Raman Spectroscopy, 2021, 52, 263-267.	2.5	2
42	Chemical Etching Processes at the Dynamic GaAs/Electrolyte Interface in the Electrochemical Direct-Writing Micromachining. ACS Applied Electronic Materials, 2021, 3, 437-444.	4.3	6
43	Application of Micro/Nanofabrication Techniques to Onâ€Chip Molecular Electronics. Small Methods, 2021, 5, e2001034.	8.6	16
44	Plasmonic nanoreactors regulating selective oxidation by energetic electrons and nanoconfined thermal fields. Science Advances, 2021, 7, .	10.3	43
45	Probing Singleâ€Atom Catalysts and Catalytic Reaction Processes by Shellâ€Isolated Nanoparticleâ€Enhanced Raman Spectroscopy. Angewandte Chemie - International Edition, 2021, 60, 9306-9310.	13.8	41
46	Probing Singleâ€Atom Catalysts and Catalytic Reaction Processes by Shellâ€Isolated Nanoparticleâ€Enhanced Raman Spectroscopy. Angewandte Chemie, 2021, 133, 9392-9396.	2.0	7
47	Adsorption, Stretching, and Breaking Processes in Singleâ€Molecule Conductance of para â€Benzenedimethanethiol in Gold Nanogaps: A DFTâ€NEGF Theoretical Study**. ChemElectroChem, 2021, 8, 1123-1133.	3.4	4
48	Electrochemical Nanoimprint Lithography. , 2021, , .		0
49	Revealing unconventional hostâ€“guest complexation at nanostructured interface by surface-enhanced Raman spectroscopy. Light: Science and Applications, 2021, 10, 85.	16.6	24
50	In Situ Surface-Enhanced Raman Spectroscopy Characterization of Electrocatalysis with Different Nanostructures. Annual Review of Physical Chemistry, 2021, 72, 331-351.	10.8	26
51	Nonlinear valley phonon scattering under the strong coupling regime. Nature Materials, 2021, 20, 1210-1215.	27.5	32
52	Pulse Potential Confined Electrochemical Polishing on Gallium Arsenide Wafer. Journal of the Electrochemical Society, 2021, 168, 043507.	2.9	4
53	Boosting Photocatalytic Hydrogen Evolution Reaction Using Dual Plasmonic Antennas. ACS Catalysis, 2021, 11, 5047-5053.	11.2	62
54	Quantification of electron accumulation at grain boundaries in perovskite polycrystalline films by correlative infrared-spectroscopic nanoimaging and Kelvin probe force microscopy. Light: Science and Applications, 2021, 10, 84.	16.6	34

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55	Quantification and Prediction of Imine Formation Kinetics in Aqueous Solution by Microfluidic NMR Spectroscopy. Chemistry - A European Journal, 2021, 27, 9508-9513.	3.3	4
56	Au@ZIF-8 Coreâ€“Shell Nanoparticles as a SERS Substrate for Volatile Organic Compound Gas Detection. Analytical Chemistry, 2021, 93, 7188-7195.	6.5	59
57	General Surface-Enhanced Raman Spectroscopy Method for Actively Capturing Target Molecules in Small Gaps. Journal of the American Chemical Society, 2021, 143, 7769-7776.	13.7	86
58	Improving SERS Sensitivity toward Trace Sulfonamides: The Key Role of Trade-Off Interfacial Interactions among the Target Molecules, Anions, and Cations on the SERS Active Surface. Analytical Chemistry, 2021, 93, 8603-8612.	6.5	27
59	Developing a Peak Extraction and Retention (PEER) Algorithm for Improving the Temporal Resolution of Raman Spectroscopy. Analytical Chemistry, 2021, 93, 8408-8413.	6.5	13
60	Adsorption-Induced Active Vanadium Species Facilitate Excellent Performance in Low-Temperature Catalytic NO_x Abatement. Journal of the American Chemical Society, 2021, 143, 10454-10461.	13.7	64
61	Identification of the molecular pathways of RuO2 electroreduction by in-situ electrochemical surface-enhanced Raman spectroscopy. Journal of Catalysis, 2021, 400, 367-371.	6.2	17
62	In Situ Spectroscopic Diagnosis of CO₂ Reduction at the Pt Electrode/Pyridine-Containing Electrolyte Interface. ACS Catalysis, 2021, 11, 10836-10846.	11.2	7
63	Advances of surface-enhanced Raman and IR spectroscopies: from nano/microstructures to macro-optical design. Light: Science and Applications, 2021, 10, 161.	16.6	91
64	Dynamic Behavior of Single-Atom Catalysts in Electrocatalysis: Identification of Cu-N₃ as an Active Site for the Oxygen Reduction Reaction. Journal of the American Chemical Society, 2021, 143, 14530-14539.	13.7	218
65	Tribocatalysis: challenges and perspectives. Science China Chemistry, 2021, 64, 1609-1613.	8.2	27
66	Revealing phase evolution mechanism for stabilizing formamidinium-based lead halide perovskites by a key intermediate phase. CheM, 2021, 7, 2513-2526.	11.7	49
67	Suppressing Sulfite Dimerization at a Polarized Gold Electrode/Water Solution Interface for High-Quality Gold Electrodeposition. Langmuir, 2021, 37, 11251-11259.	3.5	3
68	In Situ Raman Observation of Oxygen Activation and Reaction at Platinumâ€“Ceria Interfaces during CO Oxidation. Journal of the American Chemical Society, 2021, 143, 15635-15643.	13.7	64
69	Plasmonic photoelectrochemical dimerization and reduction of p-halo-nitrobenzene on AgNPs@Ag electrode. Electrochimica Acta, 2021, 389, 138695.	5.2	4
70	Special issue on the 100th anniversary of Xiamen University. Light: Science and Applications, 2021, 10, 185.	16.6	1
71	Efficient CO2 electroreduction on Pd-based core-shell nanostructure with tensile strain. Journal of Electroanalytical Chemistry, 2021, 896, 115205.	3.8	4
72	A quantitative simulation method for electrochemical infrared and Raman spectroscopies of single-crystal metal electrodes. Journal of Electroanalytical Chemistry, 2021, 896, 115337.	3.8	2

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73	Surface Properties of Octacalcium Phosphate Nanocrystals Are Crucial for Their Bioactivities. ACS Omega, 2021, 6, 25372-25380.	3.5	4
74	Development of shipboard automatic flow injection analysisâ€"Surface-enhanced Raman spectroscopy instrument toward onsite detection of trace polycyclic aromatic hydrocarbons in water environment. Review of Scientific Instruments, 2021, 92, 104102.	1.3	1
75	Hollow and highly diastereoselective face-rotating polyhedra constructed through rationally engineered facial units. Chemical Science, 2021, 12, 11730-11734.	7.4	6
76	Droplet-based nanogenerators for energy harvesting and self-powered sensing. Nanoscale, 2021, 13, 17290-17309.	5.6	18
77	Electrochemical Storage of Atomic Hydrogen on Single Layer Graphene. Journal of the American Chemical Society, 2021, 143, 18419-18425.	13.7	23
78	Electrochemical and Plasmonic Photochemical Oxidation Processes of para-Aminothiophenol on a Nanostructured Gold Electrode. Journal of Physical Chemistry C, 2021, 125, 24849-24858.	3.1	9
79	Real-Time Monitoring of Surface Effects on the Oxygen Reduction Reaction Mechanism for Aprotic Naâ€"O₂ Batteries. Journal of the American Chemical Society, 2021, 143, 20049-20054.	13.7	11
80	Nanobridged rhombic antennas supporting both dipolar and high-order plasmonic modes with spatially superimposed hotspots in the mid-infrared. Opto-Electronic Advances, 2021, 4, 210076-210076.	13.3	27
81	In situ Raman spectroscopyÂreveals the structure and dissociation of interfacial water. Nature, 2021, 600, 81-85.	27.8	381
82	Facile synthesis of Ag/ZnMn2O4 hybrids as improved anode materials for lithium-ion batteries. Ionics, 2020, 26, 75-83.	2.4	1
83	Present and Future of Surface-Enhanced Raman Scattering. ACS Nano, 2020, 14, 28-117.	14.6	2,153
84	Highly Selective Production of Ethylene by the Electroreduction of Carbon Monoxide. Angewandte Chemie, 2020, 132, 160-166.	2.0	13
85	Highly Selective Production of Ethylene by the Electroreduction of Carbon Monoxide. Angewandte Chemie - International Edition, 2020, 59, 154-160.	13.8	68
86	Inâ€situ SHINERS Study of the Size and Composition Effect of Ptâ€based Nanocatalysts in Catalytic Hydrogenation. ChemCatChem, 2020, 12, 75-79.	3.7	24
87	Plasmon-Induced Interfacial Hot-Electron Transfer Directly Probed by Raman Spectroscopy. CheM, 2020, 6, 689-702.	11.7	71
88	Toward a quantitative theoretical method for infrared and Raman spectroscopic studies on single-crystal electrode/liquid interfaces. Chemical Science, 2020, 11, 1425-1430.	7.4	9
89	Direct In Situ Raman Spectroscopic Evidence of Oxygen Reduction Reaction Intermediates at High-Index Pt(hkl) Surfaces. Journal of the American Chemical Society, 2020, 142, 715-719.	13.7	154
90	Frontispiece: Highly Selective Production of Ethylene by the Electroreduction of Carbon Monoxide. Angewandte Chemie - International Edition, 2020, 59, .	13.8	0

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91	Optimizing the interfacial electron transfer capability of single layer graphene by thermal annealing. Chemical Communications, 2020, 56, 253-256.	4.1	1
92	Frontispiz: Highly Selective Production of Ethylene by the Electroreduction of Carbon Monoxide. Angewandte Chemie, 2020, 132, .	2.0	0
93	Transferâ€learningâ€based Raman spectra identification. Journal of Raman Spectroscopy, 2020, 51, 176-186.	2.5	43
94	Probing Hot Electron Behaviors by Surface-Enhanced Raman Spectroscopy. Cell Reports Physical Science, 2020, 1, 100184.	5.6	16
95	Novel and Green Chemical Compound of HAu(Cys)₂: Toward a Simple and Sustainable Electrolyte Recipe for Cyanide-Free Gold Electrodeposition. ACS Sustainable Chemistry and Engineering, 2020, 8, 14274-14279.	6.7	8
96	Polarization- and Wavelength-Dependent Shell-Isolated-Nanoparticle-Enhanced Sum-Frequency Generation with High Sensitivity. Physical Review Letters, 2020, 125, 047401.	7.8	21
97	Surface Plasmon Enhanced Chemical Reactions on Metal Nanostructures. , 2020, , .		0
98	Observation of inhomogeneous plasmonic field distribution in a nanocavity. Nature Nanotechnology, 2020, 15, 922-926.	31.5	62
99	Critical Roles of Doping Cl on Cu₂O Nanocrystals for Direct Epoxidation of Propylene by Molecular Oxygen. Journal of the American Chemical Society, 2020, 142, 14134-14141.	13.7	51
100	Direct Nanomachining on Semiconductor Wafer By Scanning Electrochemical Microscopy. Angewandte Chemie - International Edition, 2020, 59, 21129-21134.	13.8	13
101	Electroreduction Reaction Mechanism of Carbon Dioxide to C₂ Products via Cu/Au Bimetallic Catalysis: A Theoretical Prediction. Journal of Physical Chemistry Letters, 2020, 11, 6593-6599.	4.6	41
102	Single-Molecule Plasmonic Optical Trapping. Matter, 2020, 3, 1350-1360.	10.0	53
103	Truncated Face-Rotating Polyhedra Constructed from Pentagonal Pentaphenylpyrrole through Graph Theory. Journal of the American Chemical Society, 2020, 142, 16223-16228.	13.7	33
104	Mold forming of multilevel nanogratings by electrochemical buckling microfabrication. Journal of Electroanalytical Chemistry, 2020, 872, 114273.	3.8	0
105	Plasmonic Hot Electron-Mediated Hydrodehalogenation Kinetics on Nanostructured Ag Electrodes. Journal of the American Chemical Society, 2020, 142, 17489-17498.	13.7	49
106	In Situ Raman Study of CO Electrooxidation on Pt(hkl) Singleâ€Crystal Surfaces in Acidic Solution. Angewandte Chemie, 2020, 132, 23760-23764.	2.0	1
107	In Situ Raman Study of CO Electrooxidation on Pt(hkl) Singleâ€Crystal Surfaces in Acidic Solution. Angewandte Chemie - International Edition, 2020, 59, 23554-23558.	13.8	47
108	Revealing Thermodynamics and Kinetics of Lipid Self-Assembly by Markov State Model Analysis. Journal of the American Chemical Society, 2020, 142, 21344-21352.	13.7	22

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109	Structural Exploration of Multilayered Ionic Liquid/Ag Electrode Interfaces by Atomic Force Microscopy and Surfaceâ€Enhanced Raman Spectroscopy. ChemElectroChem, 2020, 7, 4936-4942.	3.4	8
110	Evaluation of the SERSâ€based strategy in fast and onâ€site food safety inspection: Qualitative and quantitative analysis of trace unexpected herbicide in complicated herbicide matrix. Journal of Raman Spectroscopy, 2020, 51, 2562-2567.	2.5	6
111	Robust Interface Ru Centers for Highâ€Performance Acidic Oxygen Evolution. Advanced Materials, 2020, 32, e1908126.	21.0	145
112	Enantiomeric Discrimination by Surfaceâ€Enhanced Raman Scatteringâ€“Chiral Anisotropy of Chiral Nanostructured Gold Films. Angewandte Chemie - International Edition, 2020, 59, 15226-15231.	13.8	70
113	Unveiling the moleculeâ€“plasmon interactions in surface-enhanced infrared absorption spectroscopy. National Science Review, 2020, 7, 1228-1238.	9.5	17
114	Electronic Spillover from a Metallic Nanoparticle: Can Simple Electrochemical Electron Transfer Processes Be Catalyzed by Electronic Coupling of a Molecular Scale Gold Nanoparticle Simultaneously to the Redox Molecule and the Electrode?. Journal of the American Chemical Society, 2020, 142, 10646-10658.	13.7	16
115	Electrochemical nanomachining. Current Opinion in Electrochemistry, 2020, 22, 80-86.	4.8	16
116	Real-time detection of single-molecule reaction by plasmon-enhanced spectroscopy. Science Advances, 2020, 6, eaba6012.	10.3	41
117	Probing Electric Field Distributions in the Double Layer of a Single-Crystal Electrode with Angstrom Spatial Resolution using Raman Spectroscopy. Journal of the American Chemical Society, 2020, 142, 11698-11702.	13.7	24
118	Determining the Interfacial Refractive Index via Ultrasensitive Plasmonic Sensors. Journal of the American Chemical Society, 2020, 142, 10905-10909.	13.7	37
119	In Situ Raman Monitoring and Manipulating of Interfacial Hydrogen Spillover by Precise Fabrication of Au/TiO₂/Pt Sandwich Structures. Angewandte Chemie - International Edition, 2020, 59, 10343-10347.	13.8	70
120	Photosynergetic Electrochemical Synthesis of Graphene Oxide. Journal of the American Chemical Society, 2020, 142, 6516-6520.	13.7	41
121	In Situ Raman Monitoring and Manipulating of Interfacial Hydrogen Spillover by Precise Fabrication of Au/TiO 2 /Pt Sandwich Structures. Angewandte Chemie, 2020, 132, 10429-10433.	2.0	44
122	Ag@MoS₂ Coreâ€“Shell Heterostructure as SERS Platform to Reveal the Hydrogen Evolution Active Sites of Single-Layer MoS₂. Journal of the American Chemical Society, 2020, 142, 7161-7167.	13.7	185
123	Trace detection of polycyclic aromatic hydrocarbons in environmental waters by SERS. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 234, 118250.	3.9	38
124	Recent Progress and Prospects in Plasmon-Mediated Chemical Reaction. Matter, 2020, 3, 42-56.	10.0	65
125	Insights into the Effects of Chloride ions on Cyanide-Free Gold Electrodeposition. Journal of the Electrochemical Society, 2020, 167, 102514.	2.9	1
126	Boosting hydrogen evolution on MoS2 via co-confining selenium in surface and cobalt in inner layer. Nature Communications, 2020, 11, 3315.	12.8	229

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127	Coreâ€“Shell Nanostructure-Enhanced Raman Spectroscopy for Surface Catalysis. Accounts of Chemical Research, 2020, 53, 729-739.	15.6	136
128	Unveiling the size effect of Pt-on-Au nanostructures on CO and methanol electrooxidation by in situ electrochemical SERS. Nanoscale, 2020, 12, 5341-5346.	5.6	18
129	Accurately Predicting the Radiation Enhancement Factor in Plasmonic Optical Antenna Emitters. Journal of Physical Chemistry Letters, 2020, 11, 1947-1953.	4.6	4
130	Key Role of Direct Adsorption on SERS Sensitivity: Synergistic Effect among Target, Aggregating Agent, and Surface with Au or Ag Colloid as Surface-Enhanced Raman Spectroscopy Substrate. Journal of Physical Chemistry Letters, 2020, 11, 1022-1029.	4.6	75
131	Surface Changes of LiNi_xMn_yCo_{1â€“xâ€“y}O₂ in Li-Ion Batteries Using in Situ Surface-Enhanced Raman Spectroscopy. Journal of Physical Chemistry C, 2020, 124, 4024-4031.	3.1	29
132	Rapid and low-cost quantitative detection of creatinine in human urine with a portable Raman spectrometer. Biosensors and Bioelectronics, 2020, 154, 112067.	10.1	60
133	Ultrastable monodispersed lead halide perovskite nanocrystals derived from interfacial compatibility. Nano Energy, 2020, 71, 104554.	16.0	14
134	Ultrahigh-Rate-Performance Hierarchical Structured Na₂Ti₂O₅@RGO Sodium-Ion Batteries and Revealing the Storage Mechanism Using In Situ Raman Spectroscopy. Journal of Physical Chemistry C, 2020, 124, 10845-10851.	3.1	12
135	Overcurrent Electrodeposition of Fractal Plasmonic Black Gold with Broad-Band Absorption Properties for Excitation-Immune SERS. ACS Omega, 2020, 5, 8293-8298.	3.5	7
136	Microphotoelectrochemical Surface-Enhanced Raman Spectroscopy: Toward Bridging Hot-Electron Transfer with a Molecular Reaction. Journal of the American Chemical Society, 2020, 142, 8483-8489.	13.7	31
137	Revisiting the Atomistic Structures at the Interface of Au(111) Electrodeâ€“Sulfuric Acid Solution. Journal of the American Chemical Society, 2020, 142, 9439-9446.	13.7	35
138	Enhancing Catalytic Activity and Selectivity by Plasmon-Induced Hot Carriers. IScience, 2020, 23, 101107.	4.1	4
139	Strontium substituted octacalcium phosphate coatings by electrochemical deposition and their dose-dependent bioactivities. Materials Letters, 2020, 272, 127844.	2.6	9
140	Shell-Isolated Nanoparticle-Enhanced Luminescence of Metallic Nanoclusters. Analytical Chemistry, 2020, 92, 7146-7153.	6.5	10
141	In situ Raman study of the photoinduced behavior of dye molecules on TiO₂(hkl) single crystal surfaces. Chemical Science, 2020, 11, 6431-6435.	7.4	13
142	Enantiomeric Discrimination by Surfaceâ€Enhanced Raman Scatteringâ€“Chiral Anisotropy of Chiral Nanostructured Gold Films. Angewandte Chemie, 2020, 132, 15338-15343.	2.0	22
143	Plasmon-Enhanced Fluorescence of Phosphors Using Shell-Isolated Nanoparticles for Display Technologies. ACS Applied Nano Materials, 2020, 3, 5846-5854.	5.0	14
144	Electrochemistry and Coordination Behaviors of Hypoxanthine-Au(III) Ion in the Cyanide-Free Gold Electrodeposition. Journal of the Electrochemical Society, 2020, 167, 022511.	2.9	4

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145	Protecting the Nanoscale Properties of Ag Nanowires with a Solution-Grown SnO₂ Monolayer as Corrosion Inhibitor. Journal of the American Chemical Society, 2019, 141, 13977-13986.	13.7	45
146	Singleâ€Molecule Measurement of Adsorption Free Energy at the Solidâ€“Liquid Interface. Angewandte Chemie - International Edition, 2019, 58, 14534-14538.	13.8	27
147	Singleâ€Molecule Measurement of Adsorption Free Energy at the Solidâ€“Liquid Interface. Angewandte Chemie, 2019, 131, 14676-14680.	2.0	7
148	Early Stages of Electrochemical Oxidation of Cu(111) and Polycrystalline Cu Surfaces Revealed by in Situ Raman Spectroscopy. Journal of the American Chemical Society, 2019, 141, 12192-12196.	13.7	135
149	Chaperone-like chiral cages for catalyzing enantio-selective supramolecular polymerization. Chemical Science, 2019, 10, 8076-8082.	7.4	29
150	Elucidating Moleculeâ€“Plasmon Interactions in Nanocavities with 2â€…nm Spatial Resolution and at the Singleâ€Molecule Level. Angewandte Chemie - International Edition, 2019, 58, 12133-12137.	13.8	29
151	Elucidating Moleculeâ€“Plasmon Interactions in Nanocavities with 2â€…nm Spatial Resolution and at the Singleâ€Molecule Level. Angewandte Chemie, 2019, 131, 12261-12265.	2.0	12
152	Interfacial Reactions and Mass Transport in the Processes of Electrochemical Nanoimprint Lithography. Journal of Physical Chemistry C, 2019, 123, 27073-27079.	3.1	6
153	Inâ€…situ Spectroscopic Insight into the Origin of the Enhanced Performance of Bimetallic Nanocatalysts towards the Oxygen Reduction Reaction (ORR). Angewandte Chemie, 2019, 131, 16208-16212.	2.0	26
154	Inâ€…situ Spectroscopic Insight into the Origin of the Enhanced Performance of Bimetallic Nanocatalysts towards the Oxygen Reduction Reaction (ORR). Angewandte Chemie - International Edition, 2019, 58, 16062-16066.	13.8	135
155	Background-Free Quantitative Surface Enhanced Raman Spectroscopy Analysis Using Coreâ€“Shell Nanoparticles with an Inherent Internal Standard. Analytical Chemistry, 2019, 91, 15025-15031.	6.5	48
156	3D Hotspots Platform for Plasmon Enhanced Raman and Second Harmonic Generation Spectroscopies and Quantitative Analysis. Advanced Optical Materials, 2019, 7, 1901010.	7.3	23
157	Synthesis and Operando Sodiation Mechanistic Study of Nitrogenâ€Doped Porous Carbon Coated Bimetallic Sulfide Hollow Nanocubes as Advanced Sodium Ion Battery Anode. Advanced Energy Materials, 2019, 9, 1902312.	19.5	74
158	Potential-Dependent Coadsorption of Pyridine Molecule and Î±-Pyridyl Radical at the Pt Electrode/Electrolyte Interface. Journal of Physical Chemistry C, 2019, 123, 21478-21486.	3.1	5
159	Adsorption, Chemical Enhancement, and Low-Lying Excited States of p-Methylbenzenethiol on Silver and Gold Nanoparticle Surfaces: A Surface Enhanced Raman Spectroscopy and Density Functional Theory Study. Journal of Physical Chemistry C, 2019, 123, 23026-23036.	3.1	19
160	Silver Nanoparticle-Based Surface-Enhanced Raman Spectroscopy for the Rapid and Selective Detection of Trace Tropane Alkaloids in Food. ACS Applied Nano Materials, 2019, 2, 6592-6601.	5.0	41
161	Development of Weak Signal Recognition and an Extraction Algorithm for Raman Imaging. Analytical Chemistry, 2019, 91, 12909-12916.	6.5	14
162	Plasmon-Mediated Chemical Reactions on Nanostructures Unveiled by Surface-Enhanced Raman Spectroscopy. Accounts of Chemical Research, 2019, 52, 2784-2792.	15.6	113

#	Article	IF	Citations
163	Experimental and Theoretical Study of Surface-Enhanced Raman Spectra of Sulfadiazine Adsorbed on Nanoscale Gold Colloids. Journal of Physical Chemistry A, 2019, 123, 9199-9208.	2.5	12
164	Disentangling charge carrier from photothermal effects in plasmonic metal nanostructures. Nature Communications, 2019, 10, 2671.	12.8	119
165	Electric fieldâ€“induced selective catalysis of single-molecule reaction. Science Advances, 2019, 5, eaaw3072.	10.3	161
166	Interfacial Construction of Plasmonic Nanostructures for the Utilization of the Plasmon-Excited Electrons and Holes. Journal of the American Chemical Society, 2019, 141, 8053-8057.	13.7	68
167	Understanding the strain effect of Au@Pd nanocatalysts by in situ surface-enhanced Raman spectroscopy. Chemical Communications, 2019, 55, 8824-8827.	4.1	11
168	Photoelectric effect accelerated electrochemical corrosion and nanoimprint processes on gallium arsenide wafers. Chemical Science, 2019, 10, 5893-5897.	7.4	11
169	Improved sensitivity and reproducibility in electrochemical detection of trace mercury (II) by bromide ion & electrochemical oxidation. Talanta, 2019, 203, 186-193.	5.5	17
170	Towards super-clean graphene. Nature Communications, 2019, 10, 1912.	12.8	133
171	InnenrÃ¼cktitelbild: Chemical and Topographical Singleâ€Cell Imaging by Nearâ€Field Desorption Mass Spectrometry (Angew. Chem. 14/2019). Angewandte Chemie, 2019, 131, 4793-4793.	2.0	0
172	In situ probing electrified interfacial water structures at atomically flat surfaces. Nature Materials, 2019, 18, 697-701.	27.5	352
173	Coordination behavior of theophylline with Au(III) and electrochemical reduction of the complex. Electrochimica Acta, 2019, 304, 168-174.	5.2	20
174	Probing the Location of 3D Hot Spots in Gold Nanoparticle Films Using Surface-Enhanced Raman Spectroscopy. Analytical Chemistry, 2019, 91, 5316-5322.	6.5	44
175	Reaction Selectivity for Plasmon-Driven Carbon Dioxide Reduction on Silver Clusters: A Theoretical Prediction. Journal of Physical Chemistry C, 2019, 123, 11101-11108.	3.1	28
176	Programmed electrochemical exfoliation of graphite to high quality graphene. Chemical Communications, 2019, 55, 3379-3382.	4.1	38
177	Programming chain-growth copolymerization of DNA hairpin tiles for in-vitro hierarchical supramolecular organization. Nature Communications, 2019, 10, 1006.	12.8	26
178	Synthesis of Au@TiO₂ coreâ€“shell nanoparticles with tunable structures for plasmon-enhanced photocatalysis. Nanoscale Advances, 2019, 1, 4522-4528.	4.6	28
179	Experiments on adsorption at hydrous metal oxide surfaces using attenuated total reflection infrared spectroscopy (ATRIRS) (IUPAC Technical Report). Pure and Applied Chemistry, 2019, 91, 2043-2061.	1.9	2
180	Chemical and Topographical Singleâ€Cell Imaging by Nearâ€Field Desorption Mass Spectrometry. Angewandte Chemie, 2019, 131, 4589-4594.	2.0	12

#	Article	IF	Citations
181	3D Heterostructured Ti-Based Bi₂MoO₆/Pd/TiO₂ Photocatalysts for High-Efficiency Solar Light Driven Photoelectrocatalytic Hydrogen Generation. ACS Applied Energy Materials, 2019, 2, 558-568.	5.1	23
182	Toward Long-Term Stability: Single-Crystal Alloys of Cesium-Containing Mixed Cation and Mixed Halide Perovskite. Journal of the American Chemical Society, 2019, 141, 1665-1671.	13.7	141
183	Chemical and Topographical Singleâ€Cell Imaging by Nearâ€Field Desorption Mass Spectrometry. Angewandte Chemie - International Edition, 2019, 58, 4541-4546.	13.8	62
184	Solventâ€Limited Ionâ€Coupled Electron Transfer and Monolayer Thiol Stability in Au₁₄₄ Cluster Films. ChemElectroChem, 2019, 6, 101-105.	3.4	2
185	In Situ Analysis of Surface Catalytic Reactions Using Shell-Isolated Nanoparticle-Enhanced Raman Spectroscopy. Analytical Chemistry, 2019, 91, 1675-1685.	6.5	64
186	Room-temperature electrochemical waterâ€“gas shift reaction for high purity hydrogen production. Nature Communications, 2019, 10, 86.	12.8	62
187	In situ Raman spectroscopic evidence for oxygen reduction reaction intermediates at platinum single-crystal surfaces. Nature Energy, 2019, 4, 60-67.	39.5	478
188	Plasmon-Induced Magnetic Resonance Enhanced Raman Spectroscopy. Nano Letters, 2018, 18, 2209-2216.	9.1	96
189	CdS core-Au plasmonic satellites nanostructure enhanced photocatalytic hydrogen evolution reaction. Nano Energy, 2018, 49, 363-371.	16.0	107
190	Shellâ€Isolated Tipâ€Enhanced Raman and Fluorescence Spectroscopy. Angewandte Chemie, 2018, 130, 7645-7649.	2.0	12
191	Chiral separation and characterization of triazatruxene-based face-rotating polyhedra: the role of non-covalent facial interactions. Chemical Communications, 2018, 54, 4685-4688.	4.1	24
192	Shellâ€Isolated Tipâ€Enhanced Raman and Fluorescence Spectroscopy. Angewandte Chemie - International Edition, 2018, 57, 7523-7527.	13.8	44
193	Elucidation of the origin of chiral amplification in discrete molecular polyhedra. Nature Communications, 2018, 9, 488.	12.8	51
194	Shell-Isolated Nanoparticle-Enhanced Raman Spectroscopy. , 2018, , 189-230.		0
195	Plasmon-Enhanced Ultrasensitive Surface Analysis Using Ag Nanoantenna. Analytical Chemistry, 2018, 90, 2018-2022.	6.5	30
196	Ultrahigh-performance mesoporous ZnMn2O4 microspheres as anode materials for lithium-ion batteries and their in situ Raman investigation. Nano Research, 2018, 11, 3814-3823.	10.4	31
197	An in-situ Raman spectroscopic study on the cathodic process of EMITFSI ionic liquid on Ag electrodes. Journal of Electroanalytical Chemistry, 2018, 819, 435-441.	3.8	7
198	Shellâ€Isolated Nanoparticleâ€Enhanced Raman and Fluorescence Spectroscopies: Synthesis and Applications. Advanced Optical Materials, 2018, 6, 1701069.	7.3	26

#	Article	IF	Citations
199	Electrical and SERS detection of disulfide-mediated dimerization in single-molecule benzene-1,4-dithiol junctions. Chemical Science, 2018, 9, 5033-5038.	7.4	60
200	Illuminating nanostructured gold electrode: surface plasmons or electron ejection?. Faraday Discussions, 2018, 210, 281-287.	3.2	1
201	Pt@h-BN coreâ€“shell fuel cell electrocatalysts with electrocatalysis confined under outer shells. Nano Research, 2018, 11, 3490-3498.	10.4	32
202	Surface-enhanced Raman spectroscopy: bottlenecks and future directions. Chemical Communications, 2018, 54, 10-25.	4.1	195
203	Narcissistic chiral self-sorting of molecular face-rotating polyhedra. Organic and Biomolecular Chemistry, 2018, 16, 34-37.	2.8	25
204	Density Functional Theoretical Studies on Chemical Enhancement of Surface-Enhanced Raman Spectroscopy in Electrochemical Interfaces. , 2018, , 455-482.		1
205	Catalyzed assembly of hollow silver-sulfide cluster through self-releasable anion template. Communications Chemistry, 2018, 1, .	4.5	10
206	Probing the kinetics in supramolecular chemistry and molecular assembly by microfluidic-NMR spectroscopy. Science China Chemistry, 2018, 61, 1460-1464.	8.2	12
207	Reaction Mechanisms of Wellâ€Defined Metalâ€“N₄ Sites in Electrocatalytic CO₂ Reduction. Angewandte Chemie, 2018, 130, 16577-16580.	2.0	44
208	Reaction Mechanisms of Wellâ€Defined Metalâ€“N₄ Sites in Electrocatalytic CO₂ Reduction. Angewandte Chemie - International Edition, 2018, 57, 16339-16342.	13.8	328
209	Selective Electrocatalytic Mechanism of CO₂ Reduction Reaction to CO on Silver Electrodes: A Unique Reaction Intermediate. Journal of Physical Chemistry C, 2018, 122, 25447-25455.	3.1	37
210	Chiral molecular face-rotating sandwich structures constructed through restricting the phenyl flipping of tetraphenylethylene. Chemical Science, 2018, 9, 8814-8818.	7.4	37
211	Shell-Isolated Nanoparticle-Enhanced Phosphorescence. Analytical Chemistry, 2018, 90, 10837-10842.	6.5	17
212	From plasmon-enhanced molecular spectroscopy to plasmon-mediated chemical reactions. Nature Reviews Chemistry, 2018, 2, 216-230.	30.2	337
213	Evaluation of cigarette flavoring quality via surface-enhanced Raman spectroscopy. Chemical Communications, 2018, 54, 10882-10885.	4.1	7
214	Probing Interfacial Electronic and Catalytic Properties on Wellâ€Defined Surfaces by Using Inâ€…Situ Raman Spectroscopy. Angewandte Chemie, 2018, 130, 11427-11431.	2.0	19
215	Probing Interfacial Electronic and Catalytic Properties on Wellâ€Defined Surfaces by Using Inâ€…Situ Raman Spectroscopy. Angewandte Chemie - International Edition, 2018, 57, 11257-11261.	13.8	60
216	The coupling effect of slow-rate mechanical motion on the confined etching process in electrochemical mechanical micromachining. Science China Chemistry, 2018, 61, 715-724.	8.2	11

#	Article	IF	Citations
217	Contact electrification induced interfacial reactions and direct electrochemical nanoimprint lithography in n-type gallium arsenate wafer. Chemical Science, 2017, 8, 2407-2412.	7.4	32
218	Understanding the Cubic Phase Stabilization and Crystallization Kinetics in Mixed Cations and Halides Perovskite Single Crystals. Journal of the American Chemical Society, 2017, 139, 3320-3323.	13.7	195
219	Coreâ€“Shell Nanoparticle-Enhanced Raman Spectroscopy. Chemical Reviews, 2017, 117, 5002-5069.	47.7	819
220	Electrochemical micro/nano-machining: principles and practices. Chemical Society Reviews, 2017, 46, 1526-1544.	38.1	68
221	Multiscale structural and electronic control of molybdenum disulfide foam for highly efficient hydrogen production. Nature Communications, 2017, 8, 14430.	12.8	488
222	In situ SERS study of surface plasmon resonance enhanced photocatalytic reactions using bifunctional Au@CdS coreâ€“shell nanocomposites. Nanoscale, 2017, 9, 6254-6258.	5.6	66
223	Etching Kinetics of IIIâ€“V Semiconductors Coupled with Surface Passivation Investigated by Scanning Electrochemical Microscopy. Journal of Physical Chemistry C, 2017, 121, 9944-9952.	3.1	15
224	Nanofabrication of the gold scanning probe for the STM-SECM coupling system with nanoscale spatial resolution. Science China Chemistry, 2017, 60, 649-655.	8.2	19
225	Further expanding versatility of surface-enhanced Raman spectroscopy: from non-traditional SERS-active to SERS-inactive substrates and single shell-isolated nanoparticle. Faraday Discussions, 2017, 205, 457-468.	3.2	15
226	Electrochemical nanoimprint lithography: when nanoimprint lithography meets metal assisted chemical etching. Nanoscale, 2017, 9, 7476-7482.	5.6	33
227	SERS Chemical Enhancement of Water Molecules from Halide Ion Coadsorption and Photoinduced Charge Transfer on Silver Electrodes. Journal of Physical Chemistry C, 2017, 121, 10445-10454.	3.1	18
228	Interconversion of molecular face-rotating polyhedra through turning inside out. Chemical Communications, 2017, 53, 8956-8959.	4.1	25
229	Quantitative detection using twoâ€dimension shellâ€isolated nanoparticle film. Journal of Raman Spectroscopy, 2017, 48, 919-924.	2.5	20
230	SERS â€“ facts, figures and the future. Chemical Society Reviews, 2017, 46, 3864-3865.	38.1	59
231	In situ dynamic tracking of heterogeneous nanocatalytic processes by shell-isolated nanoparticle-enhanced Raman spectroscopy. Nature Communications, 2017, 8, 15447.	12.8	185
232	Observing the dynamic â€œhot spotsâ€•on two-dimensional Au nanoparticles monolayer film. Chemical Communications, 2017, 53, 6788-6791.	4.1	29
233	In situ SERS and SHINERS study of electrochemical hydrogenation of p-ethynylaniline in nonaqueous solvents. Electrochemistry Communications, 2017, 78, 16-20.	4.7	16
234	Competing Mechanisms in the Acetaldehyde Functionalization of Positively Charged Hydrogenated Silicene. ChemPhysChem, 2017, 18, 281-286.	2.1	1

#	Article	IF	Citations
235	Electrochemical nanoimprint lithography directly on n-type crystalline silicon (111) wafer. Electrochemistry Communications, 2017, 75, 1-4.	4.7	27
236	Plasmon enhanced quantum dots fluorescence and energy conversion in water splitting using shell-isolated nanoparticles. Nano Energy, 2017, 42, 232-240.	16.0	28
237	Synthesis of Ag Nanorods with Highly Tunable Plasmonics toward Optimal Surfaceâ€Enhanced Raman Scattering Substrates Selfâ€Assembled at Interfaces. Advanced Optical Materials, 2017, 5, 1700581.	7.3	50
238	Molecular Face-Rotating Cube with Emergent Chiral and Fluorescence Properties. Journal of the American Chemical Society, 2017, 139, 18142-18145.	13.7	188
239	Tip current/positioning close-loop mode of scanning electrochemical microscopy for electrochemical micromachining. Electrochemistry Communications, 2017, 82, 117-120.	4.7	12
240	Promising electroplating solution for facile fabrication of Cu quantum point contacts. Nano Research, 2017, 10, 3314-3323.	10.4	9
241	Tip-enhanced ablation and ionization mass spectrometry for nanoscale chemical analysis. Science Advances, 2017, 3, eaaq1059.	10.3	34
242	Exploring the concentration distribution of photo-generated hydroxyl radicals in a confined etchant layer by scanning electrochemical microscopy. Electrochimica Acta, 2017, 258, 322-327.	5.2	4
243	Special topic on strategies for developing energy-related physical chemistry. Science China Chemistry, 2017, 60, 1377-1378.	8.2	0
244	Revealing the Role of Interfacial Properties on Catalytic Behaviors by in Situ Surface-Enhanced Raman Spectroscopy. Journal of the American Chemical Society, 2017, 139, 10339-10346.	13.7	127
245	Electromagnetic theories of surface-enhanced Raman spectroscopy. Chemical Society Reviews, 2017, 46, 4042-4076.	38.1	1,020
246	In Situ Fabrication of Highly Luminescent Bifunctional Amino Acid Crosslinked 2D/3D NH₃C₄H₉COO(CH₃NH₃PbBr₃)_n Perovskite Films. Advanced Functional Materials, 2017, 27, 1603568.	13.5	126
247	Theoretical study of normal Raman spectra and SERS of benzyl chloride and benzyl radical on silver electrodes. Journal of Raman Spectroscopy, 2017, 48, 53-63.	2.5	8
248	In situ electrochemical surface-enhanced Raman spectroscopy study of CO electrooxidation on PtFe nanocatalysts. Electrochemistry Communications, 2017, 81, 38-42.	4.7	30
249	Density Functional Theoretical Study on SERS Chemical Enhancement Mechanism of 4-Mercaptopyridine Adsorbed on Silver. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2017, 33, 530-538.	4.9	3
250	Mobility and Reactivity of Oxygen Adspecies on Platinum Surface. Journal of the American Chemical Society, 2016, 138, 9057-9060.	13.7	23
251	Potential dependent thiocyanate adsorption on gold electrodes: a comparison study between SERS and SHINERS. Journal of Raman Spectroscopy, 2016, 47, 1207-1212.	2.5	14
252	Photoinduced Surface Catalytic Coupling Reactions of Aminothiophenol Derivatives Investigated by SERS and DFT. Journal of Physical Chemistry C, 2016, 120, 16427-16436.	3.1	36

#	Article	IF	Citations
253	A facile method for the synthesis of large-size Ag nanoparticles as efficient SERS substrates. Journal of Raman Spectroscopy, 2016, 47, 662-667.	2.5	49
254	Tunable Wavelength Enhanced Photoelectrochemical Cells from Surface Plasmon Resonance. Journal of the American Chemical Society, 2016, 138, 16204-16207.	13.7	87
255	Experimental and Theoretical Study on Isotopic Surface-Enhanced Raman Spectroscopy for the Surface Catalytic Coupling Reaction on Silver Electrodes. Journal of Physical Chemistry C, 2016, 120, 11956-11965.	3.1	31
256	Catalysis with two-dimensional materials and their heterostructures. Nature Nanotechnology, 2016, 11, 218-230.	31.5	1,833
257	Probing the Electronic Structure of Heterogeneous Metal Interfaces by Transition Metal Shelled Gold Nanoparticle-Enhanced Raman Spectroscopy. Journal of Physical Chemistry C, 2016, 120, 20684-20691.	3.1	28
258	Electrochemically roughened gold microelectrode for surface-enhanced Raman spectroscopy. Journal of Electroanalytical Chemistry, 2016, 779, 126-130.	3.8	16
259	An electrochemical surfaceâ€enhanced Raman spectroscopic study on nanorodâ€structured lithium prepared by electrodeposition. Journal of Raman Spectroscopy, 2016, 47, 1017-1023.	2.5	30
260	Adsorption of Dye Molecules on Single Crystalline Semiconductor Surfaces: An Electrochemical Shell-Isolated Nanoparticle Enhanced Raman Spectroscopy Study. Journal of Physical Chemistry C, 2016, 120, 22500-22507.	3.1	15
261	Confined Chemical Etching for Electrochemical Machining with Nanoscale Accuracy. Accounts of Chemical Research, 2016, 49, 2596-2604.	15.6	51
262	DFT Study of Hydrogen-Bonding Interaction, Solvation Effect, and Electric-Field Effect on Raman Spectra of Hydrated Proton. Journal of Physical Chemistry A, 2016, 120, 8273-8284.	2.5	9
263	Nonlinear Stark effect observed for carbon monoxide chemisorbed on gold core/palladium shell nanoparticle film electrodes, using in situ surface-enhanced Raman spectroscopy. Chinese Journal of Catalysis, 2016, 37, 1156-1165.	14.0	7
264	Solvation Effect Facilitates Ion Transfer across Water/1,2â€Dichloroethane Interface. ChemElectroChem, 2016, 3, 2165-2169.	3.4	0
265	Nanostructure-based plasmon-enhanced Raman spectroscopy for surface analysis of materials. Nature Reviews Materials, 2016, 1, .	48.7	1,229
266	Electropolishing of titanium alloy under hydrodynamic mode. Science China Chemistry, 2016, 59, 1525-1528.	8.2	24
267	Assembled molecular face-rotating polyhedra to transfer chirality from two to three dimensions. Nature Communications, 2016, 7, 12469.	12.8	90
268	Theoretical Investigation on the Substituent Effect of Halogen Atoms at the C₈ Position of Adenine: Relative Stability, Vibrational Frequencies, and Raman Spectra of Tautomers. Journal of Physical Chemistry A, 2016, 120, 4049-4058.	2.5	13
269	Rapid on-site detection of paraquat in biologic fluids by iodide-facilitated pinhole shell-isolated nanoparticle-enhanced Raman spectroscopy. RSC Advances, 2016, 6, 59919-59926.	3.6	20
270	Electrochemically assisted mechanically controllable break junction studies on the stacking configurations of oligo(phenylene ethynylene)s molecular junctions. Electrochimica Acta, 2016, 200, 268-275.	5.2	27

#	Article	IF	Citations
271	Unexpected currentâ€“voltage characteristics of mechanically modulated atomic contacts with the presence of molecular junctions in an electrochemically assistedâ€“MCBJ. Nano Research, 2016, 9, 560-570.	10.4	32
272	Self-assembly of subwavelength nanostructures with symmetry breaking in solution. Nanoscale, 2016, 8, 2951-2959.	5.6	10
273	Shell-isolated nanoparticle-enhanced Raman spectroscopy study of the adsorption behaviour of DNA bases on Au(111) electrode surfaces. Analyst, The, 2016, 141, 3731-3736.	3.5	23
274	In-situ electrochemical shell-isolated Ag nanoparticles-enhanced Raman spectroscopy study of adenine adsorption on smooth Ag electrodes. Electrochimica Acta, 2016, 199, 388-393.	5.2	11
275	Surface Plasmon Catalytic Aerobic Oxidation of Aromatic Amines in Metal/Molecule/Metal Junctions. Journal of Physical Chemistry C, 2016, 120, 944-955.	3.1	40
276	How To Light Special Hot Spots in Multiparticleâ€“Film Configurations. ACS Nano, 2016, 10, 581-587.	14.6	79
277	Electrochemical buckling microfabrication. Chemical Science, 2016, 7, 697-701.	7.4	12
278	Frontispiece: Translating Molecular Recognition into a Pressure Signal to enable Rapid, Sensitive, and Portable Biomedical Analysis. Angewandte Chemie - International Edition, 2015, 54, .	13.8	0
279	Dielectric-dependent electron transfer behaviour of cobalt hexacyanides in a solid solution of sodium chloride. Chemical Science, 2015, 6, 6091-6096.	7.4	8
280	Electromagnetic Enhancement in Shell-Isolated Nanoparticle-Enhanced Raman Scattering from Gold Flat Surfaces. Journal of Physical Chemistry C, 2015, 119, 5246-5251.	3.1	44
281	Theoretical Study on Electroreduction of p-Nitrothiophenol on Silver and Gold Electrode Surfaces. Journal of Physical Chemistry C, 2015, 119, 4949-4958.	3.1	59
282	Constructing Two-Dimensional Nanoparticle Arrays on Layered Materials Inspired by Atomic Epitaxial Growth. Journal of the American Chemical Society, 2015, 137, 2828-2831.	13.7	21
283	Electrochemical Shell-Isolated Nanoparticle-Enhanced Raman Spectroscopy: Correlating Structural Information and Adsorption Processes of Pyridine at the Au(hkl) Single Crystal/Solution Interface. Journal of the American Chemical Society, 2015, 137, 2400-2408.	13.7	93
284	In Situ Monitoring of Electrooxidation Processes at Gold Single Crystal Surfaces Using Shell-Isolated Nanoparticle-Enhanced Raman Spectroscopy. Journal of the American Chemical Society, 2015, 137, 7648-7651.	13.7	118
285	Dimeric Coreâ€“Shell Ag₂@TiO₂ Nanoparticles for Off-Resonance Raman Study of the TiO₂â€“N719 Interface. Journal of Physical Chemistry C, 2015, 119, 18396-18403.	3.1	17
286	Electrochemical Micromachining under Mechanical Motion Mode. Electrochimica Acta, 2015, 183, 3-7.	5.2	32
287	Surface plasmon-enhanced photochemical reactions on noble metal nanostructures. Science China Chemistry, 2015, 58, 574-585.	8.2	31
288	Quantitative SHINERS Analysis of Temporal Changes in the Passive Layer at a Gold Electrode Surface in a Thiosulfate Solution. Analytical Chemistry, 2015, 87, 3791-3799.	6.5	34

#	Article	IF	Citations
289	Dielectric shell isolated and graphene shell isolated nanoparticle enhanced Raman spectroscopies and their applications. Chemical Society Reviews, 2015, 44, 8399-8409.	38.1	131
290	â€œSmartâ€•Ag Nanostructures for Plasmon-Enhanced Spectroscopies. Journal of the American Chemical Society, 2015, 137, 13784-13787.	13.7	157
291	Translating Molecular Recognition into a Pressure Signal to enable Rapid, Sensitive, and Portable Biomedical Analysis. Angewandte Chemie - International Edition, 2015, 54, 10448-10453.	13.8	147
292	Plasmon-Enhanced Second-Harmonic Generation Nanorulers with Ultrahigh Sensitivities. Nano Letters, 2015, 15, 6716-6721.	9.1	88
293	A theoretical and experimental approach to shell-isolated nanoparticle-enhanced Raman spectroscopy of single-crystal electrodes. Surface Science, 2015, 631, 73-80.	1.9	30
294	Au@Pt Nanoparticle Encapsulated Targetâ€Responsive Hydrogel with Volumetric Barâ€Chart Chip Readout for Quantitative Pointâ€ofâ€Care Testing. Angewandte Chemie - International Edition, 2014, 53, 12503-12507.	13.8	205
295	Simple and sensitive detection of cyanide using pinhole shellâ€isolated nanoparticleâ€enhanced Raman spectroscopy. Journal of Raman Spectroscopy, 2014, 45, 619-626.	2.5	33
296	Surface-enhanced Raman spectroscopy toward application in plasmonic photocatalysis on metal nanostructures. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2014, 21, 54-80.	11.6	94
297	A breakthrough in the chemical imaging of single molecule: sub-nm tip-enhanced Raman spectroscopy. National Science Review, 2014, 1, 4-5.	9.5	3
298	What molecular assembly can learn from catalytic chemistry. Chemical Society Reviews, 2014, 43, 399-411.	38.1	89
299	Activation of Oxygen on Gold and Silver Nanoparticles Assisted by Surface Plasmon Resonances. Angewandte Chemie - International Edition, 2014, 53, 2353-2357.	13.8	357
300	Uncovering the Missing Link between Molecular Electrochemistry and Electrocatalysis: Mechanism of the Reduction of Benzyl Chloride at Silver Cathodes. ChemElectroChem, 2014, 1, 227-240.	3.4	51
301	Extending the shell-isolated nanoparticle-enhanced Raman spectroscopy approach to interfacial ionic liquids at single crystal electrode surfaces. Chemical Communications, 2014, 50, 14740-14743.	4.1	40
302	Theoretical Study on Thermodynamic and Spectroscopic Properties of Electro-Oxidation of p-Aminothiophenol on Gold Electrode Surfaces. Journal of Physical Chemistry C, 2014, 118, 27113-27122.	3.1	35
303	New Strategy for Electrochemical Micropatterning of Nafion Film in Sulfuric Acid Solution. Electrochimica Acta, 2014, 146, 125-133.	5.2	4
304	Determination of adsorbed species of hypophosphite electrooxidation on Ni electrode by in situ infrared with shell-isolated nanoparticle-enhanced Raman spectroscopy. Electrochemistry Communications, 2014, 48, 5-9.	4.7	5
305	Theoretical Study of Plasmon-Enhanced Surface Catalytic Coupling Reactions of Aromatic Amines and Nitro Compounds. Journal of Physical Chemistry Letters, 2014, 5, 1259-1266.	4.6	161
306	Kinetic Investigation on the Confined Etching System of n-Type Gallium Arsenide by Scanning Electrochemical Microscopy. Journal of Physical Chemistry C, 2014, 118, 18604-18611.	3.1	22

#	Article	IF	Citations
307	Highly transparent and flexible triboelectric nanogenerators: performance improvements and fundamental mechanisms. Journal of Materials Chemistry A, 2014, 2, 13219-13225.	10.3	137
308	Three-Dimensional and Time-Ordered Surface-Enhanced Raman Scattering Hotspot Matrix. Journal of the American Chemical Society, 2014, 136, 5332-5341.	13.7	293
309	Raman Spectroscopic Investigation on TiO₂â€“N719 Dye Interfaces Using Ag@TiO₂ Nanoparticles and Potential Correlation Strategies. ChemPhysChem, 2013, 14, 2217-2224.	2.1	36
310	Electrochemical mechanical micromachining based on confined etchant layer technique. Faraday Discussions, 2013, 164, 189.	3.2	18
311	Structural and Charge Sensitivity of Surface-Enhanced Raman Spectroscopy of Adenine on Silver Surface: A Quantum Chemical Study. Journal of Physical Chemistry C, 2013, 117, 23730-23737.	3.1	40
312	Photoelectrochemical synthesis of AgTCNQ microrods through a bipolar mechanism. Electrochemistry Communications, 2013, 35, 120-123.	4.7	0
313	Thermal effects on electronic properties of CO/Pt(111) in water. Physical Chemistry Chemical Physics, 2013, 15, 13619.	2.8	2
314	High precision electrochemical micromachining based on confined etchant layer technique. Electrochemistry Communications, 2013, 28, 135-138.	4.7	19
315	Uniform gold spherical particles for single-particle surface-enhanced Raman spectroscopy. Physical Chemistry Chemical Physics, 2013, 15, 4130.	2.8	46
316	A novel planarization method based on photoinduced confined chemical etching. Chemical Communications, 2013, 49, 6451.	4.1	10
317	Surface analysis using shell-isolated nanoparticle-enhanced Raman spectroscopy. Nature Protocols, 2013, 8, 52-65.	12.0	395
318	Au+-cetyltrimethylammonium bromide solution: A novel precursor for seed-mediated growth of gold nanoparticles in aqueous solution. Nano Research, 2013, 6, 29-37.	10.4	34
319	Surface electronâ€“hydronium ion-pair bound to silver and gold cathodes: A density functional theoretical study of photocatalytic hydrogen evolution reaction. Electrochimica Acta, 2013, 101, 272-278.	5.2	12
320	Selenium functionalized carbon for high dispersion of platinumâ€“ruthenium nanoparticles and its effect on the electrocatalytic oxidation of methanol. Journal of Power Sources, 2013, 233, 326-330.	7.8	20
321	A Leveling Method Based on Current Feedback Mode of Scanning Electrochemical Microscopy. Analytical Chemistry, 2013, 85, 1322-1326.	6.5	24
322	LSPR properties of metal nanoparticles adsorbed at a liquidâ€“liquid interface. Physical Chemistry Chemical Physics, 2013, 15, 5374.	2.8	40
323	Shell-isolated nanoparticle-enhanced Raman spectroscopy: Nanoparticle synthesis, characterization and applications in electrochemistry. Journal of Electroanalytical Chemistry, 2013, 688, 5-11.	3.8	40
324	Plasmonic Smart Dust for Probing Local Chemical Reactions. Nano Letters, 2013, 13, 1816-1821.	9.1	104

#	Article	IF	Citations
325	Density functional theory study on the adsorption and decomposition of the formic acid catalyzed by highly active mushroom-like Au@Pd@Pt tri-metallic nanoparticles. Physical Chemistry Chemical Physics, 2013, 15, 4625.	2.8	22
326	Supersaturation-Dependent Surface Structure Evolution: From Ionic, Molecular to Metallic Micro/Nanocrystals. Journal of the American Chemical Society, 2013, 135, 9311-9314.	13.7	149
327	Solvent Effect and Hydrogen Bond Interaction on Tautomerism, Vibrational Frequencies, and Raman Spectra of Guanine: A Density Functional Theoretical Study. Journal of Physical Chemistry A, 2013, 117, 4286-4296.	2.5	21
328	Electrical conductance study on 1,3-butadiyne-linked dinuclear ruthenium(ii) complexes within single molecule break junctions. Chemical Science, 2013, 4, 2471.	7.4	81
329	Binding Interaction and Raman Spectra of pâ^Ï€ Conjugated Molecules Containing CH₂/NH₂ Groups Adsorbed on Silver Surfaces: A DFT Study of Wagging Modes. Journal of Physical Chemistry C, 2013, 117, 18891-18903.	3.1	21
330	CNx-modified Fe3O4 as Pt nanoparticle support for the oxygen reduction reaction. Journal of Solid State Electrochemistry, 2013, 17, 1021-1028.	2.5	43
331	Innentitelbild: A Bioorthogonal Raman Reporter Strategy for SERS Detection of Glycans on Live Cells (Angew. Chem. 28/2013). Angewandte Chemie, 2013, 125, 7184-7184.	2.0	2
332	SHINERS and plasmonic properties of Au Core SiO₂ shell nanoparticles with optimal core size and shell thickness. Journal of Raman Spectroscopy, 2013, 44, 994-998.	2.5	79
333	A Bioorthogonal Raman Reporter Strategy for SERS Detection of Glycans on Live Cells. Angewandte Chemie - International Edition, 2013, 52, 7266-7271.	13.8	132
334	Hybrid molecular dynamics and first-principles study on the work function of a Pt(111) electrode immersed in aqueous solution at room temperature. Physical Review B, 2012, 86, .	3.2	18
335	Design and Fabrication of an MEA Microchip for Cell Culture Study. Integrated Ferroelectrics, 2012, 135, 71-76.	0.7	2
336	Cations-modified cluster model for density-functional theory simulation of potential dependent Raman scattering from surface complex/electrode systems. Chemical Communications, 2012, 48, 4962.	4.1	12
337	Identifying mass transfer influences on Au nanoparticles growth process by centrifugation. Chemical Communications, 2012, 48, 7353.	4.1	6
338	Electrochemical Behaviors of Single Microcrystals of Iron Hexacyanides/NaCl Solid Solution. Analytical Chemistry, 2012, 84, 9276-9281.	6.5	11
339	A SERS study of thiocyanate adsorption on Au-core Pd-shell nanoparticle film electrodes. Journal of Electroanalytical Chemistry, 2012, 665, 70-75.	3.8	18
340	Flexible triboelectric generator. Nano Energy, 2012, 1, 328-334.	16.0	4,578
341	A DFT study on photoinduced surface catalytic coupling reactions on nanostructured silver: selective formation of azobenzene derivatives from para-substituted nitrobenzene and aniline. Physical Chemistry Chemical Physics, 2012, 14, 12919.	2.8	126
342	Distinctive Enhanced and Tunable Plasmon Resonant Absorption from Controllable Au@Cu₂O Nanoparticles: Experimental and Theoretical Modeling. Journal of Physical Chemistry C, 2012, 116, 4477-4483.	3.1	77

#	Article	IF	Citations
343	Adsorption of Solvent Cations on Au(111) and Au(100) in Alkylimidazolium-Based Ionic Liquids â€“ Worm-Like versus Micelle-Like Structures. Zeitschrift Fur Physikalische Chemie, 2012, 226, 979-994.	2.8	44
344	Fabrication and characterization of nanostructured ZnO thin film microdevices by scanning electrochemical cell microscopy. Chemical Communications, 2012, 48, 11449.	4.1	25
345	Surface-enhanced Raman spectroscopic study of p-aminothiophenol. Physical Chemistry Chemical Physics, 2012, 14, 8485.	2.8	242
346	Synthesis, Characterization, and 3D-FDTD Simulation of Ag@SiO₂ Nanoparticles for Shell-Isolated Nanoparticle-Enhanced Raman Spectroscopy. Langmuir, 2012, 28, 9140-9146.	3.5	112
347	Adsorption and reduction reactions of anthraquinone derivatives on gold electrodes studied with electrochemical surfaceâ€enhanced Raman spectroscopy. Journal of Raman Spectroscopy, 2012, 43, 1367-1373.	2.5	13
348	Synthesis of ultrathin and compact Au@MnO₂ nanoparticles for shellâ€isolated nanoparticleâ€enhanced Raman spectroscopy (SHINERS). Journal of Raman Spectroscopy, 2012, 43, 40-45.	2.5	102
349	Some thoughts about controllable assembly (I) — From catalysis to cassemblysis. Scientia Sinica Chimica, 2012, 42, 525-547.	0.4	11
350	Initial Behavior of the Electroless Nickel Deposition on Pretreated Aluminum. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2012, 28, 414-420.	4.9	1
351	Reaction of p-Chloronitrobenzene Adsorbed on Silver Nanoparticles. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2012, 28, 2767-2773.	4.9	4
352	Au@organosilica multifunctional nanoparticles for the multimodal imaging. Chemical Science, 2011, 2, 1463.	7.4	73
353	Targeted synthesis of an electroactive organic framework. Journal of Materials Chemistry, 2011, 21, 18208.	6.7	68
354	Confined etchant layer technique (CELT) for micromanufacture. , 2011, , .		0
355	Decorating gold nano-spheres, -rods and -cubes with gold nanodots. , 2011, , .		0
356	Photon-driven charge transfer and photocatalysis of p-aminothiophenol in metal nanogaps: a DFT study of SERS. Chemical Communications, 2011, 47, 2520.	4.1	140
357	Effect of Aromatic Amineâ€”Metal Interaction on Surface Vibrational Raman Spectroscopy of Adsorbed Molecules Investigated by Density Functional Theory. Journal of Physical Chemistry C, 2011, 115, 4174-4183.	3.1	61
358	Revealing the molecular structure of single-molecule junctions in different conductance states by fishing-mode tip-enhanced Raman spectroscopy. Nature Communications, 2011, 2, 305.	12.8	227
359	A density functional theory approach to mushroom-like platinum clusters on palladium-shell over Au core nanoparticles for high electrocatalytic activity. Physical Chemistry Chemical Physics, 2011, 13, 5441.	2.8	28
360	Tautomerization, Solvent Effect and Binding Interaction on Vibrational Spectra of Adenineâ€“Ag⁺ Complexes on Silver Surfaces: A DFT Study. Journal of Physical Chemistry C, 2011, 115, 13739-13750.	3.1	37

#	Article	IF	Citations
361	Improved seedless hydrothermal synthesis of dense and ultralong ZnO nanowires. Nanotechnology, 2011, 22, 245601.	2.6	105
362	Shell-Isolated Nanoparticle-Enhanced Raman Spectroscopy: Expanding the Versatility of Surface-Enhanced Raman Scattering. Annual Review of Analytical Chemistry, 2011, 4, 129-150.	5.4	177
363	Shell-Isolated Nanoparticle-Enhanced Raman Spectroscopy (SHINERS) Based on Gold-Core Silica-Shell Nanorods. Zeitschrift Fur Physikalische Chemie, 2011, 225, 775-784.	2.8	21
364	Coreâ€“shell nanoparticle based SERS from hydrogen adsorbed on a rhodium(111) electrode. Chemical Communications, 2011, 47, 2023.	4.1	54
365	Tailoring Au-core Pd-shell Pt-cluster nanoparticles for enhanced electrocatalytic activity. Chemical Science, 2011, 2, 531-539.	7.4	172
366	Molecular polarization bridging physical and chemical enhancements in surface enhanced Raman scattering. Chemical Communications, 2011, 47, 11438.	4.1	11
367	Extraordinary Enhancement of Raman Scattering from Pyridine on Single Crystal Au and Pt Electrodes by Shell-Isolated Au Nanoparticles. Journal of the American Chemical Society, 2011, 133, 15922-15925.	13.7	170
368	Synthesis and Characterization of Gold Nanoparticles Coated with Ultrathin and Chemically Inert Dielectric Shells for SHINERS Applications. Applied Spectroscopy, 2011, 65, 620-626.	2.2	52
369	Shell-isolated nanoparticle-enhanced Raman spectroscopy of pyridine on smooth silver electrodes. Electrochimica Acta, 2011, 56, 10652-10657.	5.2	24
370	Synthesis and high electrocatalytic performance of hexagram shaped gold particles having an open surface structure with kinks. Nano Research, 2011, 4, 612-622.	10.4	50
371	An electrochemically assisted mechanically controllable break junction approach for single molecule junction conductance measurements. Nano Research, 2011, 4, 1199-1207.	10.4	31
372	Solidâ€State Redox Solutions: Microfabrication and Electrochemistry. Angewandte Chemie - International Edition, 2011, 50, 8679-8682.	13.8	24
373	Auâ€“Pd Coreâ€“Shell Nanoparticles Catalyze Suzukiâ€“Miyaura Reactions in Water through Pd Leaching. Angewandte Chemie - International Edition, 2011, 50, 12184-12188.	13.8	144
374	Fabrication of high density metallic nanowires and nanotubes for cell culture studies. Microelectronic Engineering, 2011, 88, 1702-1706.	2.4	6
375	Electrochemistry at gold nanoparticles deposited on dendrimers assemblies adsorbed onto gold and platinum surfaces. Journal of Electroanalytical Chemistry, 2011, 659, 76-82.	3.8	9
376	Conductance histogram evolution of an ECâ€“MCBJ fabricated Au atomic point contact. Nanotechnology, 2011, 22, 275313.	2.6	18
377	Tunable SERS from aluminium nanohole arrays in the ultraviolet region. Chemical Communications, 2011, 47, 3909.	4.1	72
378	Metastable state nanoparticle-enhanced Raman spectroscopy for highly sensitive detection. Chemical Communications, 2011, 47, 3583.	4.1	64

#	Article	IF	Citations
379	Photon-driven charge transfer and Herzberg-Teller vibronic coupling mechanism in surface-enhanced Raman scattering of p-aminothiophenol adsorbed on coinage metal surfaces: A density functional theory study. Journal of Chemical Physics, 2011, 135, 134707.	3.0	40
380	Charge-Transfer Enhancement Involved in the SERS of Adenine on Rh and Pd Demonstrated by Ultraviolet to Visible Laser Excitation. Journal of Physical Chemistry C, 2010, 114, 16588-16595.	3.1	63
381	Surface bonding on silicon surfaces as probed by tip-enhanced Raman spectroscopy. Science China Chemistry, 2010, 53, 426-431.	8.2	8
382	FDTD for plasmonics: Applications in enhanced Raman spectroscopy. Science Bulletin, 2010, 55, 2635-2642.	1.7	61
383	Electrochemically Assisted Fabrication of Metal Atomic Wires and Molecular Junctions by MCBJ and STMâ€BJ Methods. ChemPhysChem, 2010, 11, 2745-2755.	2.1	38
384	Gating of Redox Currents at Gold Nanoelectrodes via DNA Hybridization. Advanced Materials, 2010, 22, 2148-2150.	21.0	39
385	Vibrational Signature of Doubleâ€Endâ€Linked Molecules at Au Nanojunctions Probed by Surfaceâ€Enhanced Raman Spectroscopy. Chemistry - A European Journal, 2010, 16, 1449-1453.	3.3	22
386	Facile Electrochemical Preparation of Ag Nanothorns and Their Growth Mechanism. Chemistry - A European Journal, 2010, 16, 6766-6770.	3.3	20
387	Ultrasensitive SERS Detection of TNT by Imprinting Molecular Recognition Using a New Type of Stable Substrate. Chemistry - A European Journal, 2010, 16, 12683-12693.	3.3	151
388	Metal Core Organosilica Shell Multifunctional Nanoparticles for Multimodal Cell Imaging. , 2010, , .		0
389	Shell-Isolated Nanoparticle-Enhanced Raman Spectroscopy for Inspecting Pesticide Residues. , 2010, , .		1
390	Electromagnetic Coupling Effect for Surface-enhanced Raman Spectroscopy and Tip-enhanced Raman Spectroscopy. , 2010, , .		1
391	Fishing-Mode Tip-enhanced Raman Spectroscopy (FM-TERS) for Studying Single-Molecule Junctions. , 2010, , .		1
392	New Operation Mode for SERS Using Ultrathin-Silica-Shelled Gold Nanoparticles. , 2010, , .		0
393	A Theoretical Study of Surface Enhanced Raman Spectroscopy of Aromatic Azo Compounds Linked to Silver Surfaces. , 2010, , .		0
394	The Relationship Between Extraordinary Optical Transmission and Surface-Enhanced Raman Scattering in Subwavelength Metallic Nanohole Arrays. Journal of Nanoscience and Nanotechnology, 2010, 10, 7188-7191.	0.9	10
395	The fabrication and characterization of adjustable nanogaps between gold electrodes on chip for electrical measurement of single molecules. Nanotechnology, 2010, 21, 274012.	2.6	38
396	Surface-enhanced Raman Spectroscopy for Studying the Tensile Structure Between Au@Pd Nanoparticle Interfaces. , 2010, , .		0

#	Article	IF	Citations
397	Tunable Surface-Enhanced Raman Scattering from Aluminum Nanohole Arrays. , 2010, , .		0
398	Bridging the Gap between Electrochemical and Organometallic Activation: Benzyl Chloride Reduction at Silver Cathodes. Journal of the American Chemical Society, 2010, 132, 17199-17210.	13.7	96
399	In Situ Identification of Intermediates of Benzyl Chloride Reduction at a Silver Electrode by SERS Coupled with DFT Calculations. Journal of the American Chemical Society, 2010, 132, 9534-9536.	13.7	124
400	Atomic Structure of Auâ^'Pd Bimetallic Alloyed Nanoparticles. Journal of the American Chemical Society, 2010, 132, 12480-12486.	13.7	229
401	Potential-Dependent Chemisorption of Carbon Monoxide at a Gold Coreâ^'Platinum Shell Nanoparticle Electrode: A Combined Study by Electrochemical in Situ Surface-Enhanced Raman Spectroscopy and Density Functional Theory. Journal of Physical Chemistry C, 2010, 114, 403-411.	3.1	34
402	SERS and DFT study of water on metal cathodes of silver, gold and platinum nanoparticles. Physical Chemistry Chemical Physics, 2010, 12, 2493.	2.8	73
403	Structures of Water Molecules Adsorbed on a Gold Electrode under Negative Potentials. Journal of Physical Chemistry C, 2010, 114, 4051-4056.	3.1	15
404	When the Signal Is Not from the Original Molecule To Be Detected: Chemical Transformation of para-Aminothiophenol on Ag during the SERS Measurement. Journal of the American Chemical Society, 2010, 132, 9244-9246.	13.7	693
405	Tipâ€enhanced Raman spectroscopy for investigating adsorbed nonresonant molecules on singleâ€crystal surfaces: tip regeneration, probe molecule, and enhancement effect. Journal of Raman Spectroscopy, 2009, 40, 1400-1406.	2.5	43
406	Further insights into hydrophobic interactions between ferrocenyl-tamoxifen drugs and non-polar molecular architectures at electrode surfaces. Journal of Electroanalytical Chemistry, 2009, 635, 13-19.	3.8	20
407	Surface-enhanced Raman spectroscopy: substrate-related issues. Analytical and Bioanalytical Chemistry, 2009, 394, 1729-1745.	3.7	539
408	Sublimationâ€Induced Shape Evolution of Silver Cubes. Small, 2009, 5, 2812-2815.	10.0	57
409	Potential-dependent adsorption of uracil on a silver electrode in alkaline solutions. Journal of Electroanalytical Chemistry, 2009, 636, 74-79.	3.8	14
410	Fabrication and characterization of oriented carbon atom wires assembled on gold. Chemical Physics Letters, 2009, 469, 284-288.	2.6	2
411	UV SERS at well ordered Pd sphere segment void (SSV) nanostructures. Physical Chemistry Chemical Physics, 2009, 11, 1023-1026.	2.8	42
412	Spectroelectrochemical flow cell with temperature control for investigation of electrocatalytic systems with surface-enhanced Raman spectroscopy. Faraday Discussions, 2009, 140, 155-165.	3.2	10
413	An Electrochemical in Situ Surface-Enhanced Raman Spectroscopic Study of Carbon Monoxide Chemisorption at a Gold Coreâ^'Platinum Shell Nanoparticle Electrode with a Flow Cell. Journal of Physical Chemistry C, 2009, 113, 17518-17526.	3.1	26
414	Is It Possible to Observe Surface-Enhanced Raman Scattering from Buried Molecules?. Journal of Physical Chemistry C, 2009, 113, 5526-5534.	3.1	4

#	Article	IF	Citations
415	Electrochemical and in Situ SERS Studies on the Adsorption of 2-Hydroxypyridine and Polyethyleneimine during Silver Electroplating. Journal of Physical Chemistry C, 2009, 113, 9224-9229.	3.1	38
416	Surface Catalytic Coupling Reaction of p-Mercaptoaniline Linking to Silver Nanostructures Responsible for Abnormal SERS Enhancement: A DFT Study. Journal of Physical Chemistry C, 2009, 113, 18212-18222.	3.1	283
417	Facet-Selective Epitaxial Growth of Heterogeneous Nanostructures of Semiconductor and Metal: ZnO Nanorods on Ag Nanocrystals. Journal of the American Chemical Society, 2009, 131, 12036-12037.	13.7	170
418	An Effective Strategy for Room-Temperature Synthesis of Single-Crystalline Palladium Nanocubes and Nanodendrites in Aqueous Solution. Crystal Growth and Design, 2009, 9, 2335-2340.	3.0	52
419	Investigation of electro-oxidation activity of Pt-CNTs/GC electrodes. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2008, 3, 148-151.	0.4	0
420	Optimization of SERS activities of gold nanoparticles and goldâ€coreâ€“palladiumâ€shell nanoparticles by controlling size and shell thickness. Journal of Raman Spectroscopy, 2008, 39, 1679-1687.	2.5	148
421	The reorientation of benzonitrile on Platinum electrode probed by surface enhanced Raman spectroscopy. Journal of Electroanalytical Chemistry, 2008, 624, 129-133.	3.8	9
422	Shaping and Shelling Pt and Pd Nanoparticles for Ultraviolet Laser Excited Surface-Enhanced Raman Scattering. Journal of Physical Chemistry C, 2008, 112, 17618-17624.	3.1	39
423	Epitaxial Growth of Heterogeneous Metal Nanocrystals: From Gold Nano-octahedra to Palladium and Silver Nanocubes. Journal of the American Chemical Society, 2008, 130, 6949-6951.	13.7	719
424	Clean Substrates Prepared by Chemical Adsorption of Iodide Followed by Electrochemical Oxidation for Surface-Enhanced Raman Spectroscopic Study of Cell Membrane. Analytical Chemistry, 2008, 80, 5118-5125.	6.5	67
425	Synthesis and Characterization of Au@Co and Au@Ni Coreâ”Shell Nanoparticles and Their Applications in Surface-Enhanced Raman Spectroscopy. Journal of Physical Chemistry C, 2008, 112, 345-350.	3.1	84
426	Electrochemical surface-enhanced Raman spectroscopy of nanostructures. Chemical Society Reviews, 2008, 37, 1025.	38.1	547
427	Cantilever Tip Near-Field Surface-Enhanced Raman Imaging of Tris(bipyridine)ruthenium(II) on Silver Nanoparticles-Coated Substrates. Langmuir, 2008, 24, 12054-12061.	3.5	14
428	Chemical Enhancement Effects in SERS Spectra:â€‰ A Quantum Chemical Study of Pyridine Interacting with Copper, Silver, Gold and Platinum Metals. Journal of Physical Chemistry C, 2008, 112, 4195-4204.	3.1	207
429	Theoretical Study of Binding Interactions and Vibrational Raman Spectra of Water in Hydrogen-Bonded Anionic Complexes:â€‰ (H₂O)_n⁻ (n = 2) Tj ETQq1 1 0.78431	2.5	55
430	A combined SERS and MCBJ study on molecular junctions on silicon chips. , 2007, , .		2
431	Tip-enhanced Raman spectroscopy for investigating adsorbed species on a single-crystal surface using electrochemically prepared Au tips. Applied Physics Letters, 2007, 91, 101105.	3.3	87
432	Expanding generality of surface-enhanced Raman spectroscopy with borrowing SERS activity strategy. Chemical Communications, 2007, , 3514.	4.1	379

#	Article	IF	Citations
433	Characterization of surface water on Au core Pt-group metal shell nanoparticles coated electrodes by surface-enhanced Raman spectroscopy. Chemical Communications, 2007, , 4608.	4.1	47
434	Electrochemically Roughened Palladium Electrodes for Surface-Enhanced Raman Spectroscopy:â€‰Methodology, Mechanism, and Application. Journal of Physical Chemistry C, 2007, 111, 1770-1775.	3.1	47
435	Effect of the Intrinsic Properties of Metals on the Adsorption Behavior of MoleculesCompetitive and Cooperative Adsorption of Benzene and Other Species on Pt and Rh Surfaces. Journal of Physical Chemistry C, 2007, 111, 3417-3426.	3.1	4
436	In-situ Raman Spectroscopic Studies of Pyridine Adsorption on Different Transition Metal Surfaces. , 2007, , 299-337.		2
437	Palladium-Coated Gold Nanoparticles with a Controlled Shell Thickness Used as Surface-Enhanced Raman Scattering Substrate. Journal of Physical Chemistry C, 2007, 111, 1105-1112.	3.1	159
438	Electrooxidation Mechanism of Methanol at Ptâ€Ru Catalyst Modified GC Electrode in Electrolytes with Different pH Using Electrochemical and SERS Techniques. Chinese Journal of Chemistry, 2007, 25, 1617-1621.	4.9	7
439	Multianalyte immunoassay based on surface-enhanced Raman spectroscopy. Journal of Raman Spectroscopy, 2007, 38, 896-902.	2.5	52
440	Raman spectroscopy on transition metals. Analytical and Bioanalytical Chemistry, 2007, 388, 29-45.	3.7	127
441	Surface-enhanced Raman scattering from transition metals with special surface morphology and nanoparticle shape. Faraday Discussions, 2006, 132, 159-170.	3.2	123
442	Study of Molecular Junctions with a Combined Surface-Enhanced Raman and Mechanically Controllable Break Junction Method. Journal of the American Chemical Society, 2006, 128, 14748-14749.	13.7	200
443	Electrochemical preparation of platinum nanothorn assemblies with high surface enhanced Raman scattering activity. Chemical Communications, 2006, , 4090.	4.1	96
444	Synthesis of AgcoreAushellBimetallic Nanoparticles for Immunoassay Based on Surface-Enhanced Raman Spectroscopy. Journal of Physical Chemistry B, 2006, 110, 4002-4006.	2.6	300
445	SERS Study of Electro-oxidation of Formic Acid on Pt-Ru/GC. Acta Physico-chimica Sinica, 2006, 22, 291-295.	0.6	5
446	A Theoretical Study on SERS Intensity of Pyridine Adsorbed on Transition Metal Electrodes. Israel Journal of Chemistry, 2006, 46, 317-327.	2.3	16
447	SERS From Transition Metals and Excited by Ultraviolet Light. , 2006, , 125-146.		38
448	Surface-Enhanced Raman Spectroscopy Using Gold-Core Platinum-Shell Nanoparticle Film Electrodes:â€‰Toward a Versatile Vibrational Strategy for Electrochemical Interfaces. Langmuir, 2006, 22, 10372-10379.	3.5	105
449	Effect of Intrinsic Properties of Metals on the Adsorption Behavior of Molecules:Â Benzene Adsorption on Pt Group Metals. Journal of Physical Chemistry B, 2006, 110, 17498-17506.	2.6	30
450	A self-terminated electrochemical fabrication of electrode pairs with angstrom-sized gaps. Electrochemistry Communications, 2006, 8, 577-580.	4.7	10

#	Article	IF	Citations
451	Electrochemical polymerization of acetylene on Rh electrodes probed by surface-enhanced Raman spectroscopy. Journal of Electroanalytical Chemistry, 2006, 594, 73-79.	3.8	17
452	Erratum to â€œControllable nanogap fabrication on microchip by chronopotentiometryâ€• [Electrochimica Acta 50 (2005) 3041â€“3047]. Electrochimica Acta, 2006, 51, 3855.	5.2	0
453	Selective Heterogeneous Nucleation and Growth of Size-Controlled Metal Nanoparticles on Carbon Nanotubes in Solution. Chemistry - A European Journal, 2006, 12, 2542-2549.	3.3	124
454	Binding Interactions and Raman Spectral Properties of Pyridine Interacting with Bimetallic Silver-Gold Clusters. ChemPhysChem, 2006, 7, 619-628.	2.1	26
455	A Theoretical Study on SERS Intensity of Pyridine Adsorbed on Transition Metal Electrodes. Israel Journal of Chemistry, 2006, 46, 317-327.	2.3	2
456	SERS From Transition Metals and Excitedby Ultraviolet Light. , 2006, , 125-146.		0
457	Thiourea adsorption on a Pt surface as detected by electrochemical methods and surface-enhanced Raman spectroscopy. Journal of Electroanalytical Chemistry, 2005, 574, 285-289.	3.8	25
458	Three-dimensional micro-fabrication on copper and nickel. Journal of Electroanalytical Chemistry, 2005, 581, 153-158.	3.8	28
459	Controllable nanogap fabrication on microchip by chronopotentiometry. Electrochimica Acta, 2005, 50, 3041-3047.	5.2	39
460	Raman spectroscopic studies of the formation processes of cobalt silicide thin films. Thin Solid Films, 2005, 471, 257-263.	1.8	19
461	Synthesis of Au@Pd coreâ€“shell nanoparticles with controllable size and their application in surface-enhanced Raman spectroscopy. Chemical Physics Letters, 2005, 408, 354-359.	2.6	110
462	Adsorption and corrosion inhibition behavior of imidazole on cobalt electrodes studied by SERS and electrochemical methods. Science in China Series B: Chemistry, 2005, 48, 497.	0.8	2
463	A Controllable Electrochemical Fabrication of Metallic Electrodes with a Nanometer/Angstrom-Sized Gap Using an Electric Double Layer as Feedback. Angewandte Chemie - International Edition, 2005, 44, 1265-1268.	13.8	62
464	Surface-enhanced Raman spectroscopy with ultraviolet excitation. Journal of Raman Spectroscopy, 2005, 36, 606-612.	2.5	42
465	Density functional theory study of surface-enhanced Raman scattering spectra of pyridine adsorbed on noble and transition metal surfaces. Journal of Raman Spectroscopy, 2005, 36, 533-540.	2.5	54
466	A preliminary study on chemical micro-machining of complex three-dimensional patterns on silicon substrates. Journal of Solid State Electrochemistry, 2005, 9, 398-402.	2.5	14
467	Electrochemical and Surfaced-Enhanced Raman Spectroscopic Investigation of CO and SCN-Adsorbed on Aucoreâ^'PtshellNanoparticles Supported on GC Electrodes. Langmuir, 2005, 21, 7449-7455.	3.5	47
468	Orientation Change of Adsorbed Pyrazine on Roughened Rhodium Electrodes as Probed by Surface-Enhanced Raman Spectroscopy. Journal of Physical Chemistry B, 2005, 109, 17597-17602.	2.6	20

#	Article	IF	Citations
469	pH-Dependent Electron Transfer from Re-bipyridyl Complexes to Metal Oxide Nanocrystalline Thin Films. Journal of Physical Chemistry B, 2005, 109, 19345-19355.	2.6	62
470	Theoretical differential Raman scattering cross-sections of totally-symmetric vibrational modes of free pyridine and pyridineâ€“metal cluster complexes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2004, 60, 137-146.	3.9	88
471	A Simple and Effective Route for the Synthesis of Crystalline Silver Nanorods and Nanowires. Advanced Functional Materials, 2004, 14, 183-189.	14.9	289
472	An investigation of the adsorption of pyrazine and pyridine on nickel electrodes by in situ surface-enhanced Raman spectroscopy. Journal of Electroanalytical Chemistry, 2004, 563, 121-131.	3.8	41
473	Fabrication of core-shell Au-Pt nanoparticle film and its potential application as catalysis and SERS substrateElectronic supplementary information (ESI) available: AFM image and line scans of core-shell Au-Pt nanoparticle film (colour version of Fig. 4). See http://www.rsc.org/suppdata/jm/b3/b314868h/. Journal of Materials Chemistry, 2004, 14, 1005.	6.7	141
474	Surface-Enhanced Raman Scattering from Bare Zn Electrode. Journal of Physical Chemistry B, 2004, 108, 17519-17522.	2.6	15
475	Electrochemical and Surface-Enhanced Raman Spectroscopic Studies on the Adsorption and Electrooxidation of C1 Molecules on a Roughened Rh Electrode. Journal of Physical Chemistry B, 2004, 108, 981-986.	2.6	17
476	Theoretical Consideration on Preparing Silver Particle Films by Adsorbing Nanoparticles from Bulk Colloids to an Airâ^'Water Interface. Langmuir, 2004, 20, 8831-8838.	3.5	56
477	ADSORPTION AND REACTION AT ELECTROCHEMICAL INTERFACES AS PROBED BY SURFACE-ENHANCED RAMAN SPECTROSCOPY. Annual Review of Physical Chemistry, 2004, 55, 197-229.	10.8	335
478	Synthesis and Properties of Tadpole-Shaped Gold Nanoparticles. Journal of the American Chemical Society, 2004, 126, 9470-9471.	13.7	124
479	Enhanced-Raman scattering from silicon nanoparticle substrates. Chemical Physics Letters, 2003, 382, 502-507.	2.6	22
480	Adsorption and hydrogenation of benzene at platinum electrode surfaces probed by confocal Raman microscopy. Journal of Raman Spectroscopy, 2003, 34, 221-226.	2.5	12
481	Influence of annealing ambience on the formation of cobalt silicides. Chemical Physics Letters, 2003, 372, 15-21.	2.6	8
482	Probing different adsorption behavior of CO on Pt at solid/liquid and solid/gas interfaces by Raman spectroscopy with a three-phase Raman cell. Chemical Physics Letters, 2003, 376, 130-135.	2.6	8
483	Adsorption and photon-driven charge transfer of pyridine on a cobalt electrode analyzed by surface enhanced Raman spectroscopy and relevant theories. Journal of Electroanalytical Chemistry, 2003, 554-555, 417-425.	3.8	29
484	SERS investigation of interfacial water at a silver electrode in acetonitrile solutions. Surface Science, 2003, 531, 217-225.	1.9	17
485	Extending surface Raman spectroscopy to transition metals for practical applications IV. A study on corrosion inhibition of benzotriazole on bare Fe electrodes. Electrochimica Acta, 2003, 48, 1263-1271.	5.2	106
486	Surface-Enhanced Raman Spectroscopy Studies on the Interaction of Imidazole with a Silver Electrode in Acetonitrile Solution. Journal of Physical Chemistry B, 2003, 107, 769-777.	2.6	61

#	Article	IF	Citations
487	Surface-Enhanced Raman Study of Cyanide Adsorption at the Platinum Surface. Journal of Physical Chemistry B, 2003, 107, 2752-2758.	2.6	24
488	Optimizing Detection Sensitivity on Surface-Enhanced Raman Scattering of Transition-Metal Electrodes with Confocal Raman Microscopy. Applied Spectroscopy, 2003, 57, 419-427.	2.2	34
489	Rational Design and Fabrication of ZnO Nanotubes from Nanowire Templates in a Microwave Plasma System. Journal of Physical Chemistry B, 2003, 107, 10114-10118.	2.6	139
490	Surface-Enhanced Raman Scattering in the Ultraviolet Spectral Region:â€‰ UV-SERS on Rhodium and Ruthenium Electrodes. Journal of the American Chemical Society, 2003, 125, 9598-9599.	13.7	199
491	Spontaneous transformation of selenium from monoclinic micro-balls to trigonal nano-rods in ethanol solution. Journal of Materials Chemistry, 2003, 13, 1447.	6.7	14
492	Electrochemically Roughened Rhodium Electrode as a Substrate for Surface-enhanced Raman Spectroscopy. Journal of Physical Chemistry B, 2003, 107, 899-902.	2.6	43
493	Periodic trends in the bonding and vibrational coupling: Pyridine interacting with transition metals and noble metals studied by surface-enhanced Raman spectroscopy and density-functional theory. Journal of Chemical Physics, 2003, 119, 1701-1709.	3.0	59
494	Initial Oxidation Processes on Hydrogenated Silicon Surfaces Studied by In Situ Raman Spectroscopy. Journal of the Electrochemical Society, 2002, 149, G95.	2.9	15
495	Surface-Enhanced Raman Scattering Spectra of Thiourea Adsorbed at an Iron Electrode in NaClO4Solution. Journal of Physical Chemistry B, 2002, 106, 10150-10156.	2.6	29
496	Potential Dependence of the Orientation of Thiocyanate Adsorbed on an Iron Electrode as Probed by Surface-Enhanced Raman Spectroscopy. Journal of Physical Chemistry B, 2002, 106, 7283-7285.	2.6	26
497	Adsorption and Electro-Oxidation of Carbon Monoxide at the Platinumâ^'Acetonitrile Interface as Probed by Surface-Enhanced Raman Spectroscopy. Langmuir, 2002, 18, 2737-2742.	3.5	16
498	Investigation of Ordered ds-DNA Monolayers on Gold Electrodes. Journal of Physical Chemistry B, 2002, 106, 11233-11239.	2.6	46
499	Further Insight into the Origin of Potential Oscillations during the Iodate Reduction in Alkaline Solution with Mass Transfer. Journal of Physical Chemistry A, 2002, 106, 6570-6573.	2.5	22
500	Electrochemical and Surface-Enhanced Raman Spectroscopy Studies on Inhibition of Iron Corrosion by Benzotriazole. Langmuir, 2002, 18, 7609-7615.	3.5	94
501	Surface-Enhanced Raman Spectroscopic Studies of Dissociative Adsorption of Amino Acids on Platinum and Gold Electrodes in Alkaline Solutions. Langmuir, 2002, 18, 6274-6279.	3.5	25
502	Density Functional Study and Normal-Mode Analysis of the Bindings and Vibrational Frequency Shifts of the Pyridineâ^'M (M = Cu, Ag, Au, Cu+, Ag+, Au+, and Pt) Complexes. Journal of Physical Chemistry A, 2002, 106, 9042-9052.	2.5	164
503	New route to prepare nanocrystalline TiO2 and its reaction mechanism. Materials Research Bulletin, 2002, 37, 1851-1857.	5.2	25
504	Confocal microprobe Raman spectroscopic study of the electrochemical reduction of benzene on platinum and rhodium electrodes. Electrochemistry Communications, 2002, 4, 392-396.	4.7	10

#	Article	IF	Citations
505	Surface enhanced Raman scattering from transition metal nano-wire array and the theoretical consideration. Surface Science, 2002, 514, 108-116.	1.9	67
506	Surface-enhanced Raman spectroscopy studies of platinum surfaces in acetonitrile solutions. Journal of Electroanalytical Chemistry, 2002, 528, 121-126.	3.8	35
507	The electrochemical halogenation of benzene: an in situ confocal microprobe Raman study. Chemical Physics Letters, 2002, 364, 593-598.	2.6	6
508	Surface-enhanced Raman scattering of pyridine on platinum and nickel electrodes in nonaqueous solutions. Chemical Physics Letters, 2002, 366, 440-446.	2.6	28
509	Surface-Enhanced Raman Scattering:â€‰ From Noble to Transition Metals and from Rough Surfaces to Ordered Nanostructures. Journal of Physical Chemistry B, 2002, 106, 9463-9483.	2.6	1,263
510	On the Criteria of Instability for Electrochemical Systems. Chinese Journal of Chemistry, 2002, 20, 657-662.	4.9	8
511	The Investigation of Electro-Oxidation of Methanol on Pt-Ru Electrode Surfaces by in-situ Raman Spectroscopy. Journal of the Korean Electrochemical Society, 2002, 5, 221-225.	0.1	11
512	A new experimental method to distinguish two different mechanisms for a category of oscillators involving mass transfer. Electrochemistry Communications, 2001, 3, 654-658.	4.7	9
513	Surface Raman spectroscopic studies on the adsorption of pyridine at bare iron electrodes. Journal of Electroanalytical Chemistry, 2001, 505, 95-99.	3.8	23
514	Three-dimensional micromachining for microsystems by confined etchant layer technique. Electrochimica Acta, 2001, 47, 95-101.	5.2	25
515	IN SITU PHOTOLUMINESCENCE STUDIES OF SILICON SURFACES DURING PHOTOELECTROCHEMICAL ETCHING PROCESSES. Surface Review and Letters, 2001, 08, 327-335.	1.1	2
516	Structures and their influence factors of threeâ€dimensional fractal cadmium layer formed by electrodeposition. Chinese Journal of Chemistry, 2001, 19, 1184-1189.	4.9	0
517	Analyzing the Adsorption Behavior of Thiocyanide on Pure Pt and Ni Electrode Sourfaces by Confocal Microprobe Raman Spectroscopy.. Analytical Sciences, 2000, 16, 225-230.	1.6	15
518	Confocal microprobe Raman spectroscopy for investigating the aggregation process at the liquid/air interface. Chemical Physics Letters, 2000, 328, 17-22.	2.6	17
519	Surface-enhanced Raman scattering from bare Fe electrode surfaces. Chemical Physics Letters, 2000, 316, 1-5.	2.6	89
520	Surface Raman spectroscopy as a versatile technique to study methanol oxidation on rough Pt electrodes. Electrochimica Acta, 2000, 46, 193-205.	5.2	62
521	Extending an in situ scanning tunneling microscopic study to rough electrode surfaces â€” iodine adsorption at silver electrodes. Applied Surface Science, 2000, 158, 11-15.	6.1	1
522	Orientational behavior of cyanide on a roughened platinum surface investigated by surface enhanced Raman spectroscopy. Chemical Physics Letters, 2000, 322, 561-566.	2.6	35

#	Article	IF	Citations
523	Electronic properties of metal nanorods probed by surface-enhanced Raman spectroscopy. Chemical Communications, 2000, , 1627-1628.	4.1	21
524	DNA-modified electrodes Part 3.: spectroscopic characterization of DNA-modified gold electrodes. Analytica Chimica Acta, 1999, 388, 93-101.	5.4	52
525	Time-dependent Raman spectra from two types of adsorption sites at Ag electrodes. Chemical Physics Letters, 1999, 306, 314-318.	2.6	14
526	In-situ characterization of C60 coalescence reaction. Chemical Physics Letters, 1999, 306, 345-351.	2.6	5
527	On-top adsorption of hydrogen at platinum electrodes: a quantum-chemical study. Chemical Physics Letters, 1999, 311, 193-201.	2.6	37
528	Extending surface Raman spectroscopic studies to transition metals for practical applications. Surface Science, 1999, 427-428, 157-161.	1.9	41
529	Extending surface Raman spectroscopic studies to transition metals for practical applications. Surface Science, 1999, 427-428, 162-166.	1.9	38
530	Investigation of surface-enhanced Raman scattering from platinum electrodes using a confocal Raman microscope: dependence of surface roughening pretreatment. Surface Science, 1998, 406, 9-22.	1.9	348
531	Surface Raman spectroscopic investigation of pyridine adsorption at platinum electrodesâ€"effects of potential and electrolyte. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 3127-3133.	1.7	33
532	Collapse of a mass-selected C 60ion beam collided on crystal surfaces. Journal of the Chemical Society, Faraday Transactions, 1997, 93, 3703-3707.	1.7	2
533	SERS studies on electrode/electrolyte interfacial water I. Ion effects in the negative potential region. Journal of Electroanalytical Chemistry, 1997, 424, 19-24.	3.8	34
534	Surface Raman spectroscopic studies of ruthenium, rhodium and palladium electrodes deposited on glassy carbon substrates. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1997, 53, 1595-1600.	3.9	47
535	Surface Raman spectroscopic studies of pyrazine adsorbed onto nickel electrodes. Chemical Physics Letters, 1997, 271, 101-106.	2.6	72
536	Dependence of surface enhanced Raman scattering of water on the hydrogen evolution reaction. Chemical Physics Letters, 1997, 281, 379-383.	2.6	34
537	Probing electrode/electrolyte interfacial structure in the potential region of hydrogen evolution by Raman spectroscopy. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 3829.	1.7	72
538	Surface enhanced Raman scattering of pyridine at copper electrodes excited with a 514.5 nm line. Chemical Physics Letters, 1996, 262, 151-154.	2.6	17
539	Simultaneous STM and Raman measurements on electrochemical interfaces. Journal of Electroanalytical Chemistry, 1996, 401, 247-251.	3.8	15
540	Surface raman spectra of pyridine and hydrogen on bare platinum and nickel electrodes. Journal of Electroanalytical Chemistry, 1996, 415, 175-178.	3.8	98

#	Article	IF	Citations
541	Extending surface-enhanced Raman spectroscopic studies on water at gold electrodes. Chemical Physics Letters, 1995, 240, 224-229.	2.6	21
542	Surface-enhanced Raman spectroscopic studies on structural dynamics of coadsorption of thiourea and ClO4â^' at Ag electrodes. Journal of Electroanalytical Chemistry, 1994, 379, 271-279.	3.8	28
543	The observation of sers of water in a wide potential range from the Ag/NaClO4 system. Electrochimica Acta, 1994, 39, 2195-2196.	5.2	18
544	Quantum chemistry and in situ FTir spectroscopy studies on potential-dependent properties of CO adsorbed on Pt electrodes. Electrochimica Acta, 1993, 38, 1107-1114.	5.2	15
545	Confined etchant layer technique for two-dimensional lithography at high resolution using electrochemical scanning tunnelling microscopy. Faraday Discussions, 1992, 94, 37.	3.2	51
546	Quantum chemistry studies on electronic properties of CNâ^' adsorbed on silver electrodes. Electrochimica Acta, 1992, 37, 211-213.	5.2	11
547	Voltammetric studies of underpotential deposition of T1 from T1(I) film confined to Ag electrodes. Electrochimica Acta, 1992, 37, 1767-1770.	5.2	6
548	Electrochemical and XPS studies on the generation of silver clusters in polyaniline films. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 308, 357-363.	0.1	43
549	Potential averaged surface-enhanced Raman spectroscopic SCNâ^' adsorbed at Ag electrodes. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 319, 403-408.	0.1	14
550	In-situ raman spectroscopic studies on coadsorption of thiourea with anions at silver electrodes. Electrochimica Acta, 1990, 35, 879-883.	5.2	55
551	Photoelectrochemical behavior of polyaniline in the presence of redox couple and electron acceptor. Electrochimica Acta, 1989, 34, 1611-1613.	5.2	26
552	SERS studies on interfacial water in concentrated NaClO4 solutions. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1989, 265, 277-282.	0.1	13
553	Enhanced Raman scattering from iron electrodes. Electrochimica Acta, 1987, 32, 1239-1245.	5.2	66
554	The effects of the underpotential and overpotential deposition of lead and thallium on silver on the Raman spectra of adsorbates. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1987, 217, 385-395.	0.1	50
555	Raman spectroscopy of adsorbates on thin film electrodes deposited on silver substrates. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1987, 217, 397-410.	0.1	98
556	The induction of SERS on smooth Ag by the deposition of Ni and Co. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1987, 217, 411-416.	0.1	35
557	An SERS study of silver electrodeposition from thiourea and cyanide containing solutions. Electrochimica Acta, 1986, 31, 907-916.	5.2	49
558	Adsorption and Coâ€adsorption of Chlorine and Waterâ€Chlorine Complexes on Au(111) Surface: Firstâ€Principle DFT Study. ChemElectroChem, 0, , .	3.4	1

#	Article	IF	Citations
559	Toward Preeminent Throwing Power from a Novel Alkaline Copper Electronic Electroplating Bath with Composite Coordination agents. ChemElectroChem, 0, , .	3.4	1