

Bin Ren

List of Publications by Year in descending order

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296
papers

29,729
citations

7568

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5255

165
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308
all docs

308
docs citations

308
times ranked

22914
citing authors

#	ARTICLE	IF	CITATIONS
1	Principles of surface-enhanced Raman spectroscopy. , 2022, , 1-32.		6
2	<i>Operando</i> Electrochemical X-ray Diffraction and Raman Spectroscopic Studies Revealing the Alkali-Metal Ion Intercalation Mechanism in Prussian Blue Analogues. Journal of Physical Chemistry Letters, 2022, 13, 479-485.	4.6	12
3	POM Anolyte for All- Anion Redox Flow Batteries with High Capacity Retention and Coulombic Efficiency at Mild pH. Advanced Materials, 2022, 34, e2107425.	21.0	18
4	Fundamental and Applied Reviews in Analytical Chemistry. Analytical Chemistry, 2022, 94, 1-2.	6.5	0
5	Revealing protein binding affinity on metal surfaces: an electrochemical approach. Chemical Communications, 2022, 58, 3537-3540.	4.1	2
6	Folding and Fracture of Single-Crystal Graphene Grown on a Cu(111) Foil. Advanced Materials, 2022, 34, e2110509.	21.0	11
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	Quantitatively Deciphering Electronic Properties of Defects at Atomically Thin Transition-Metal Dichalcogenides. ACS Nano, 2022, 16, 4786-4794.	14.6	7
9	Size-dependent phase transitions boost catalytic activity of sub-nanometer gold clusters. Journal of Chemical Physics, 2022, 156, 144304.	3.0	1
10	Visualization of a Machine Learning Framework toward Highly Sensitive Qualitative Analysis by SERS. Analytical Chemistry, 2022, 94, 10151-10158.	6.5	8
11	Large-Area Plasmonic Metamaterial with Thickness-Dependent Absorption. Advanced Optical Materials, 2021, 9, .	7.3	20
12	Real-time imaging of surface chemical reactions by electrochemical photothermal reflectance microscopy. Chemical Science, 2021, 12, 1930-1936.	7.4	2
13	Celebrating a Century of Excellence in Chemistry at Xiamen University. Chemical Society Reviews, 2021, 50, 4801-4803.	38.1	3
14	Recent advances in plasmon-enhanced Raman spectroscopy for catalytic reactions on bifunctional metallic nanostructures. Nanoscale, 2021, 13, 13962-13975.	5.6	23
15	Deep Learning for Biospectroscopy and Biospectral Imaging: State-of-the-Art and Perspectives. Analytical Chemistry, 2021, 93, 3653-3665.	6.5	52
16	Revealing unconventional host-guest complexation at nanostructured interface by surface-enhanced Raman spectroscopy. Light: Science and Applications, 2021, 10, 85.	16.6	24
17	Electrochemical Tip-Enhanced Raman Spectroscopy: An In Situ Nanospectroscopy for Electrochemistry. Annual Review of Physical Chemistry, 2021, 72, 213-234.	10.8	16
18	Low-Background Tip-Enhanced Raman Spectroscopy Enabled by a Plasmon Thin-Film Waveguide Probe. Analytical Chemistry, 2021, 93, 7699-7706.	6.5	9

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19	Metallic Plasmonic Array Structures: Principles, Fabrications, Properties, and Applications. <i>Advanced Materials</i> , 2021, 33, e2007988.	21.0	72
20	Developing a Peak Extraction and Retention (PEER) Algorithm for Improving the Temporal Resolution of Raman Spectroscopy. <i>Analytical Chemistry</i> , 2021, 93, 8408-8413.	6.5	13
21	Photoinduced Charge Transfer from a Semiconductor to a Metal Probed at the Single-Nanoparticle Level. <i>ACS Energy Letters</i> , 2021, 6, 3473-3480.	17.4	9
22	Spectroscopy and microscopy of plasmonic systems. <i>Journal of Chemical Physics</i> , 2021, 155, 090401.	3.0	1
23	Surface Properties of Octacalcium Phosphate Nanocrystals Are Crucial for Their Bioactivities. <i>ACS Omega</i> , 2021, 6, 25372-25380.	3.5	4
24	Collaborative Low-Rank Matrix Approximation-Assisted Fast Hyperspectral Raman Imaging and Tip-Enhanced Raman Spectroscopic Imaging. <i>Analytical Chemistry</i> , 2021, 93, 14609-14617.	6.5	7
25	Metallic Plasmonic Array Structures: Principles, Fabrications, Properties, and Applications (Adv.) <i>TJ ETQq1 1 0.784314 rgBT / Overlock 10</i>	21.0	10
26	Materials Science at Xiamen University: A Special Issue Dedicated to the 100th Anniversary of Xiamen University. <i>Advanced Materials</i> , 2021, 33, e2102756.	21.0	1
27	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2020, 14, 28-117.	14.6	2,153
28	Probing the Local Generation and Diffusion of Active Oxygen Species on a Pd/Au Bimetallic Surface by Tip-Enhanced Raman Spectroscopy. <i>Journal of the American Chemical Society</i> , 2020, 142, 1341-1347.	13.7	52
29	Nanobowtie arrays with tunable materials and geometries fabricated by holographic lithography. <i>Nanoscale</i> , 2020, 12, 21401-21408.	5.6	14
30	Uniform Periodic Bowtie SERS Substrate with Narrow Nanogaps Obtained by Monitored Pulsed Electrodeposition. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 36505-36512.	8.0	58
31	Tip-enhanced Raman spectroscopy for nanoscale probing of dynamic chemical systems. <i>Journal of Chemical Physics</i> , 2020, 153, 170901.	3.0	18
32	Single-Molecule Level Rare Events Revealed by Dynamic Surface-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2020, 92, 15806-15810.	6.5	18
33	Nanometre-scale spectroscopic visualization of catalytic sites during a hydrogenation reaction on a Pd/Au bimetallic catalyst. <i>Nature Catalysis</i> , 2020, 3, 834-842.	34.4	84
34	Electronic and vibrational surface-enhanced Raman scattering: from atomically defined Au(111) and (100) to roughened Au. <i>Chemical Science</i> , 2020, 11, 9807-9817.	7.4	23
35	Atomic Force Microscopy Based Top-Illumination Electrochemical Tip-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2020, 92, 12548-12555.	6.5	19
36	Probing nanoscale spatial distribution of plasmonically excited hot carriers. <i>Nature Communications</i> , 2020, 11, 4211.	12.8	59

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37	Automated weak signal extraction of hyperspectral Raman imaging data by adaptive low-rank matrix approximation. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 2552-2561.	2.5	9
38	<i>In situ</i> investigation of hot-electron-induced Suzuki-Miyaura reaction by surface-enhanced Raman spectroscopy. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	16
39	Evaluation of the SERS-based strategy in fast and on-site food safety inspection: Qualitative and quantitative analysis of trace unexpected herbicide in complicated herbicide matrix. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 2562-2567.	2.5	6
40	Observing atomic layer electrodeposition on single nanocrystals surface by dark field spectroscopy. <i>Nature Communications</i> , 2020, 11, 2518.	12.8	47
41	<i>In situ</i> and sensitive monitoring of configuration-switching involved dynamic adsorption by surface plasmon-coupled directional enhanced Raman scattering. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 12624-12629.	2.8	17
42	Buoyant particulate strategy for few-to-single particle-based plasmonic enhanced nanosensors. <i>Nature Communications</i> , 2020, 11, 2603.	12.8	36
43	Determining the Interfacial Refractive Index via Ultrasensitive Plasmonic Sensors. <i>Journal of the American Chemical Society</i> , 2020, 142, 10905-10909.	13.7	37
44	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. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1022-1029.	4.6	75
45	Fundamental understanding and applications of plasmon-enhanced Raman spectroscopy. <i>Nature Reviews Physics</i> , 2020, 2, 253-271.	26.6	309
46	Microphotoelectrochemical Surface-Enhanced Raman Spectroscopy: Toward Bridging Hot-Electron Transfer with a Molecular Reaction. <i>Journal of the American Chemical Society</i> , 2020, 142, 8483-8489.	13.7	31
47	Surface-enhanced Raman spectroscopy: benefits, trade-offs and future developments. <i>Chemical Science</i> , 2020, 11, 4563-4577.	7.4	453
48	Batch preparation of gold nanoparticles with highly uniform morphology and tunable plasmonic properties. <i>Nanotechnology</i> , 2020, 31, 405603.	2.6	3
49	Electrochemical Tip-Enhanced Raman Spectroscopy with Improved Sensitivity Enabled by a Water Immersion Objective. <i>Analytical Chemistry</i> , 2019, 91, 11092-11097.	6.5	26
50	Liquid-Phase Epitaxial Growth of Highly Oriented and Multivariate Surface-Attached Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 18984-18993.	13.7	44
51	Photo-induced exfoliation of monolayer transition metal dichalcogenide semiconductors. <i>2D Materials</i> , 2019, 6, 045052.	4.4	11
52	Development of Weak Signal Recognition and an Extraction Algorithm for Raman Imaging. <i>Analytical Chemistry</i> , 2019, 91, 12909-12916.	6.5	14
53	Electrochemical Reflective Absorption Microscopy for Probing the Local Diffusion Behavior in the Electrochemical Interface. <i>Analytical Chemistry</i> , 2019, 91, 2831-2837.	6.5	2
54	Disentangling charge carrier from photothermal effects in plasmonic metal nanostructures. <i>Nature Communications</i> , 2019, 10, 2671.	12.8	119

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55	Cell-Penetrating Peptide Conjugated SERS Nanosensor for in Situ Intracellular pH Imaging of Single Living Cells during Cell Cycle. <i>Analytical Chemistry</i> , 2019, 91, 8383-8389.	6.5	47
56	Hollow carbon polyhedra derived from room temperature synthesized iron-based metal-organic frameworks for supercapacitors. <i>Journal of Power Sources</i> , 2019, 429, 9-16.	7.8	28
57	Speeding Up the Line-Scan Raman Imaging of Living Cells by Deep Convolutional Neural Network. <i>Analytical Chemistry</i> , 2019, 91, 7070-7077.	6.5	34
58	Role of Adsorption Orientation in Surface Plasmon-Driven Coupling Reactions Studied by Tip-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2306-2312.	4.6	51
59	Towards super-clean graphene. <i>Nature Communications</i> , 2019, 10, 1912.	12.8	133
60	Rapid Antibiotic Susceptibility Testing of Pathogenic Bacteria Using Heavy-Water-Labeled Single-Cell Raman Spectroscopy in Clinical Samples. <i>Analytical Chemistry</i> , 2019, 91, 6296-6303.	6.5	104
61	Portable tumor biosensing of serum by plasmonic biochips in combination with nanoimprint and microfluidics. <i>Nanophotonics</i> , 2019, 8, 307-316.	6.0	44
62	Experiments on adsorption at hydrous metal oxide surfaces using attenuated total reflection infrared spectroscopy (ATRIRS) (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2019, 91, 2043-2061.	1.9	2
63	Plasmon-enhanced stimulated Raman scattering microscopy with single-molecule detection sensitivity. <i>Nature Communications</i> , 2019, 10, 5318.	12.8	77
64	Probing the edge-related properties of atomically thin MoS ₂ at nanoscale. <i>Nature Communications</i> , 2019, 10, 5544.	12.8	108
65	Zr-Metal-Organic Frameworks Featuring TEMPO Radicals: Synergistic Effect between TEMPO and Hydrophilic Zr-Node Defects Boosting Aerobic Oxidation of Alcohols. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 3034-3043.	8.0	40
66	Plasmon-Induced Magnetic Resonance Enhanced Raman Spectroscopy. <i>Nano Letters</i> , 2018, 18, 2209-2216.	9.1	96
67	Shell-Isolated Tip-Enhanced Raman and Fluorescence Spectroscopy. <i>Angewandte Chemie</i> , 2018, 130, 7645-7649.	2.0	12
68	Surface-Enhanced Raman Spectroscopy for Bioanalysis: Reliability and Challenges. <i>Chemical Reviews</i> , 2018, 118, 4946-4980.	47.7	1,241
69	Shell-Isolated Tip-Enhanced Raman and Fluorescence Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7523-7527.	13.8	44
70	A Plasmonic Sensor Array with Ultrahigh Figures of Merit and Resonance Linewidths down to 3 nm. <i>Advanced Materials</i> , 2018, 30, e1706031.	21.0	132
71	Tip-Enhanced Raman Spectroscopy for Surface and Interface Analysis. , 2018, , 255-298.		3
72	Rational fabrication of silver-coated AFM TERS tips with a high enhancement and long lifetime. <i>Nanoscale</i> , 2018, 10, 4398-4405.	5.6	28

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73	Facile fabrication of microfluidic surface-enhanced Raman scattering devices via lift-up lithography. Royal Society Open Science, 2018, 5, 172034.	2.4	18
74	Illuminating nanostructured gold electrode: surface plasmons or electron ejection?. Faraday Discussions, 2018, 210, 281-287.	3.2	1
75	Functional Single-Cell Approach to Probing Nitrogen-Fixing Bacteria in Soil Communities by Resonance Raman Spectroscopy with $^{15}\text{N}_2$ Labeling. Analytical Chemistry, 2018, 90, 5082-5089.	6.5	67
76	Tip-Enhanced Raman Spectroscopy with High-Order Fiber Vector Beam Excitation. Sensors, 2018, 18, 3841.	3.8	21
77	In Situ Imaging of Live-Cell Extracellular pH during Cell Apoptosis with Surface-Enhanced Raman Spectroscopy. Analytical Chemistry, 2018, 90, 13922-13928.	6.5	58
78	Quantifying Surface Temperature of Thermoplasmonic Nanostructures. Journal of the American Chemical Society, 2018, 140, 13680-13686.	13.7	92
79	Large-Area Hybrid Plasmonic Optical Cavity (HPOC) Substrates for Surface-Enhanced Raman Spectroscopy. Advanced Functional Materials, 2018, 28, 1802263.	14.9	51
80	Electrostatic Force Triggering Elastic Condensation of Double-Stranded DNA for High-Performance One-Step Immunoassay. Analytical Chemistry, 2018, 90, 11446-11452.	6.5	12
81	Real-Space Observation of Atomic Site-Specific Electronic Properties of a Pt Nanoisland/Au(111) Bimetallic Surface by Tip-Enhanced Raman Spectroscopy. Angewandte Chemie, 2018, 130, 13361-13365.	2.0	4
82	Real-Space Observation of Atomic Site-Specific Electronic Properties of a Pt Nanoisland/Au(111) Bimetallic Surface by Tip-Enhanced Raman Spectroscopy. Angewandte Chemie - International Edition, 2018, 57, 13177-13181.	13.8	44
83	Tip-enhanced Raman spectroscopy for surfaces and interfaces. Chemical Society Reviews, 2017, 46, 4020-4041.	38.1	202
84	Plasmonic photoluminescence for recovering native chemical information from surface-enhanced Raman scattering. Nature Communications, 2017, 8, 14891.	12.8	138
85	Dynamic Raman imaging system with high spatial and temporal resolution. Review of Scientific Instruments, 2017, 88, 095110.	1.3	7
86	Virtual Issue on Plasmonic-Based Sensing. ACS Photonics, 2017, 4, 2382-2384.	6.6	10
87	High-Throughput Single-Particle Analysis of Metal-Enhanced Fluorescence in Free Solution Using $\text{Ag}@\text{SiO}_2$ Core-Shell Nanoparticles. ACS Sensors, 2017, 2, 1369-1376.	7.8	43
88	Ultrathin polydopamine film coated gold nanoparticles: a sensitive, uniform, and stable SHINERS substrate for detection of benzotriazole. Analyst, The, 2017, 142, 3459-3467.	3.5	34
89	Probing the electronic and catalytic properties of a bimetallic surface with 3-nm resolution. Nature Nanotechnology, 2017, 12, 132-136.	31.5	290
90	Electrochemical fabrication of silver tips for tip-enhanced Raman spectroscopy assisted by a machine vision system. Journal of Raman Spectroscopy, 2016, 47, 808-812.	2.5	20

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91	Size Effect on SERS of Gold Nanorods Demonstrated via Single Nanoparticle Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2016, 120, 20806-20813.	3.1	123
92	Experimental and Theoretical Study on Isotopic Surface-Enhanced Raman Spectroscopy for the Surface Catalytic Coupling Reaction on Silver Electrodes. <i>Journal of Physical Chemistry C</i> , 2016, 120, 11956-11965.	3.1	31
93	An electrochemical surface-enhanced Raman spectroscopic study on nanorod-structured lithium prepared by electrodeposition. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 1017-1023.	2.5	30
94	Novel Electrochemical Raman Spectroscopy Enabled by Water Immersion Objective. <i>Analytical Chemistry</i> , 2016, 88, 9381-9385.	6.5	49
95	Nanostructure-based plasmon-enhanced Raman spectroscopy for surface analysis of materials. <i>Nature Reviews Materials</i> , 2016, 1, .	48.7	1,229
96	Theoretical Model of Neurotransmitter Release during In Vivo Vesicular Exocytosis Based on a Grainy Biphasic Nano-Structuration of Chromogranins within Dense Core Matrixes. <i>Journal of the Electrochemical Society</i> , 2016, 163, H3014-H3024.	2.9	39
97	Intraband Hot-Electron Photoluminescence from Single Silver Nanorods. <i>ACS Photonics</i> , 2016, 3, 1248-1255.	6.6	66
98	Single molecular catalysis of a redox enzyme on nanoelectrodes. <i>Faraday Discussions</i> , 2016, 193, 133-139.	3.2	38
99	Revealing Intermolecular Interaction and Surface Restructuring of an Aromatic Thiol Assembling on Au(111) by Tip-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2016, 88, 915-921.	6.5	40
100	Structural evolution of NM (Ni and Mn) lithium-rich layered material revealed by in-situ electrochemical Raman spectroscopic study. <i>Journal of Power Sources</i> , 2016, 310, 85-90.	7.8	45
101	Quantitative Detection of Photothermal and Photoelectrocatalytic Effects Induced by SPR from Au@Pt Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11462-11466.	13.8	169
102	Spherical Au@Ag Nanoparticles for Localized Surface Plasmon Resonance Scanning Probes: Synthesis and Dielectric Sensitivity. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2015, 31, 1575-1583.	4.9	0
103	Surface Plasmon-Coupled Directional Enhanced Raman Scattering by Means of the Reverse Kretschmann Configuration. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2015-2019.	4.6	25
104	Rational design of Au nanorods assemblies for highly sensitive and selective SERS detection of prostate specific antigen. <i>RSC Advances</i> , 2015, 5, 38354-38360.	3.6	20
105	Constructing Two-Dimensional Nanoparticle Arrays on Layered Materials Inspired by Atomic Epitaxial Growth. <i>Journal of the American Chemical Society</i> , 2015, 137, 2828-2831.	13.7	21
106	Conductive Lewis Base Matrix to Recover the Missing Link of Li_2S during the Sulfur Redox Cycle in Li-S Battery. <i>Chemistry of Materials</i> , 2015, 27, 2048-2055.	6.7	326
107	Raman Imaging from Microscopy to Nanoscopy, and to Macroscopy. <i>Small</i> , 2015, 11, 3395-3406.	10.0	28
108	Reliable Quantitative SERS Analysis Facilitated by Core-Shell Nanoparticles with Embedded Internal Standards. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7308-7312.	13.8	352

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109	Surface plasmon-enhanced photochemical reactions on noble metal nanostructures. <i>Science China Chemistry</i> , 2015, 58, 574-585.	8.2	31
110	Label-Free Surface-Enhanced Raman Spectroscopy Detection of DNA with Single-Base Sensitivity. <i>Journal of the American Chemical Society</i> , 2015, 137, 5149-5154.	13.7	360
111	Tip-enhanced Raman spectroscopy: tip-related issues. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 8177-8195.	3.7	113
112	Gold-coated AFM tips for tip-enhanced Raman spectroscopy: theoretical calculation and experimental demonstration. <i>Optics Express</i> , 2015, 23, 13804.	3.4	60
113	Smart Ag Nanostructures for Plasmon-Enhanced Spectroscopies. <i>Journal of the American Chemical Society</i> , 2015, 137, 13784-13787.	13.7	157
114	Rational Design and Synthesis of Fe_2O_3 @Au Magnetic Gold Nanoflowers for Efficient Cancer Theranostics. <i>Advanced Materials</i> , 2015, 27, 5049-5056.	21.0	135
115	Electrochemical fabrication of decomposable three-dimensional Au nano-coral structure and its surface-enhanced Raman scattering (SERS). <i>Materials Chemistry and Physics</i> , 2015, 163, 529-536.	4.0	6
116	Rational fabrication of a gold-coated AFM TERS tip by pulsed electrodeposition. <i>Nanoscale</i> , 2015, 7, 18225-18231.	5.6	46
117	Electrochemical Tip-Enhanced Raman Spectroscopy. <i>Journal of the American Chemical Society</i> , 2015, 137, 11928-11931.	13.7	232
118	Plasmon-Enhanced Second-Harmonic Generation Nanorulers with Ultrahigh Sensitivities. <i>Nano Letters</i> , 2015, 15, 6716-6721.	9.1	88
119	Transient Electrochemical Surface-Enhanced Raman Spectroscopy: A Millisecond Time-Resolved Study of an Electrochemical Redox Process. <i>Journal of the American Chemical Society</i> , 2015, 137, 11768-11774.	13.7	83
120	Efficient Platform for Flexible Engineering of Superradiant, Fano-Type, and Subradiant Resonances. <i>ACS Photonics</i> , 2015, 2, 1725-1731.	6.6	14
121	Extraction of Absorption and Scattering Contribution of Metallic Nanoparticles Toward Rational Synthesis and Application. <i>Analytical Chemistry</i> , 2015, 87, 1058-1065.	6.5	50
122	BSA-Coated Nanoparticles for Improved SERS-Based Intracellular pH Sensing. <i>Analytical Chemistry</i> , 2014, 86, 12250-12257.	6.5	110
123	Drop coating deposition and surface-enhanced Raman spectroscopies (DCDRS and SERS) provide complementary information of whole human tears. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 565-573.	2.5	52
124	Activation of Oxygen on Gold and Silver Nanoparticles Assisted by Surface Plasmon Resonances. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2353-2357.	13.8	357
125	Probing the Location of Hot Spots by Surface-Enhanced Raman Spectroscopy: Toward Uniform Substrates. <i>ACS Nano</i> , 2014, 8, 528-536.	14.6	136
126	Quantitative Correlation between Defect Density and Heterogeneous Electron Transfer Rate of Single Layer Graphene. <i>Journal of the American Chemical Society</i> , 2014, 136, 16609-16617.	13.7	206

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127	Theoretical Study on Thermodynamic and Spectroscopic Properties of Electro-Oxidation of <i>p</i> -Aminothiophenol on Gold Electrode Surfaces. <i>Journal of Physical Chemistry C</i> , 2014, 118, 27113-27122.	3.1	35
128	Laser Power Dependent Surface-Enhanced Raman Spectroscopic Study of 4-Mercaptopyridine on Uniform Gold Nanoparticle-Assembled Substrates. <i>Journal of Physical Chemistry C</i> , 2014, 118, 3750-3757.	3.1	40
129	Tuning the energy band-gap of crystalline gallium oxide to enhance photocatalytic water splitting: mixed-phase junctions. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17005-17014.	10.3	84
130	Theoretical Study of Plasmon-Enhanced Surface Catalytic Coupling Reactions of Aromatic Amines and Nitro Compounds. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1259-1266.	4.6	161
131	Tip-enhanced Raman spectroscopy – an interlaboratory reproducibility and comparison study. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 22-31.	2.5	94
132	Label-Free Detection of Native Proteins by Surface-Enhanced Raman Spectroscopy Using Iodide-Modified Nanoparticles. <i>Analytical Chemistry</i> , 2014, 86, 2238-2245.	6.5	246
133	Surface-enhanced Raman Spectroscopy and Plasmon-Assisted Photocatalysis of <i>p</i> -Aminothiophenol. <i>Acta Chimica Sinica</i> , 2014, 72, 1125.	1.4	29
134	Stacking faults enriched silver nanowires: Facile synthesis, catalysis and SERS investigations. <i>Journal of Colloid and Interface Science</i> , 2013, 407, 60-66.	9.4	5
135	Thickness-Controlled Synthesis of Ultrathin Au Sheets and Surface Plasmonic Property. <i>Journal of the American Chemical Society</i> , 2013, 135, 12544-12547.	13.7	106
136	Tracking the intracellular drug release from graphene oxide using surface-enhanced Raman spectroscopy. <i>Nanoscale</i> , 2013, 5, 10591.	5.6	55
137	Structural and Charge Sensitivity of Surface-Enhanced Raman Spectroscopy of Adenine on Silver Surface: A Quantum Chemical Study. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23730-23737.	3.1	40
138	Uniform gold spherical particles for single-particle surface-enhanced Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 4130.	2.8	46
139	In situ identification of crystal facet-mediated chemical reactions on tetrahedral gold nanocrystals using surface-enhanced Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 19337.	2.8	15
140	Surface analysis using shell-isolated nanoparticle-enhanced Raman spectroscopy. <i>Nature Protocols</i> , 2013, 8, 52-65.	12.0	395
141	LSPR properties of metal nanoparticles adsorbed at a liquid-liquid interface. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 5374.	2.8	40
142	Shell-isolated nanoparticle-enhanced Raman spectroscopy: Nanoparticle synthesis, characterization and applications in electrochemistry. <i>Journal of Electroanalytical Chemistry</i> , 2013, 688, 5-11.	3.8	40
143	DNA-Directed Gold Nanodimers with Tunable Sizes and Interparticle Distances and Their Surface Plasmonic Properties. <i>Small</i> , 2013, 9, 2308-2315.	10.0	58
144	Interfacial capacitance of graphene: Correlated differential capacitance and in situ electrochemical Raman spectroscopy study. <i>Electrochimica Acta</i> , 2013, 110, 754-761.	5.2	53

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145	In Situ Study of the Antibacterial Activity and Mechanism of Action of Silver Nanoparticles by Surface-Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2013, 85, 5436-5443.	6.5	174
146	Electronic structure and morphology of dark oxides on zinc generated by electrochemical treatment. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 9812-9822.	2.8	31
147	SHINERS and plasmonic properties of Au Core SiO ₂ shell nanoparticles with optimal core size and shell thickness. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 994-998.	2.5	79
148	A proton shelter inspired by the sugar coating of acidophilic archaea. <i>Scientific Reports</i> , 2012, 2, 892.	3.3	21
149	Cu-Au alloy nanotubes with five-fold twinned structure and their application in surface-enhanced Raman scattering. <i>Journal of Materials Chemistry</i> , 2012, 22, 18192.	6.7	62
150	Cations-modified cluster model for density-functional theory simulation of potential dependent Raman scattering from surface complex/electrode systems. <i>Chemical Communications</i> , 2012, 48, 4962.	4.1	12
151	Photosynthetic Bacterial Light-Harvesting Antenna Complexes Adsorbed on Silica Nanoparticles Revealed by Silica Shell-Isolated Au Nanoparticle-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 6993-6999.	3.1	11
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