Jyisy Yang

List of Publications by Year in descending order

76 papers	1,376 citations	331670 21 h-index	377865 34 g-index
76 all docs	76 docs citations	76 times ranked	1780 citing authors

#	Article	IF	Citations
1	Tunable Coffee Ring Formation on Polycarbonate Nanofiber Film for Sensitive SERS Detection of Phenylalanine in Urine. ACS Omega, 2019, 4, 14928-14936.	3.5	17
2	Preparation of silver nanoparticles coated ZnO/Fe3O4 composites using chemical reduction method for sensitive detection of uric acid via surface-enhanced Raman spectroscopy. Analytica Chimica Acta, 2019, 1073, 62-71.	5.4	70
3	Single-Step Preparation of Silver-Doped Magnetic Hybrid Nanoparticles for the Catalytic Reduction of Nitroarenes. ACS Omega, 2018, 3, 3340-3347.	3.5	16
4	Three-Dimensional Surface-Enhanced Raman Scattering Substrate Fabricated Using Chemical Decoration of Silver Nanoparticles on Electrospun Polycarbonate Nanofibers. Applied Spectroscopy, 2017, 71, 879-887.	2.2	8
5	Simultaneous Production and Surface Functionalization of Silver Nanoparticles for Label-free Colorimetric Detection of Copper Ion. Analytical Sciences, 2017, 33, 1115-1121.	1.6	19
6	Rhenium-Based Molecular Trap as an Evanescent Wave Infrared Chemical Sensing Medium for the Selective Determination of Amines in Air. ACS Applied Materials & Interfaces, 2016, 8, 35634-35640.	8.0	7
7	An oxidation layer for regulating galvanically grown silver nanoparticles on silicon crystal for highly sensitive surface-enhanced Raman scattering measurements. CrystEngComm, 2016, 18, 9275-9280.	2.6	0
8	Silver Nanoparticle-Decorated Shape-Memory Polystyrene Sheets as Highly Sensitive Surface-Enhanced Raman Scattering Substrates with a Thermally Inducible Hot Spot Effect. Analytical Chemistry, 2016, 88, 10908-10915.	6.5	31
9	Electroless Reduction of Silver Chloride Precipitates for the Preparation of Highly Sensitive Substrates for Surface-Enhanced Infrared Absorption (SEIRA) Measurements. Applied Spectroscopy, 2015, 69, 37-44.	2.2	5
10	Surfactant-assisted electroless deposition of silver nanoparticles on Ge crystal for ultra-sensitive detection by surface-enhanced infrared absorption spectroscopy. RSC Advances, 2015, 5, 20390-20395.	3.6	5
11	Analyte-induced photoreduction method for visual and colorimetric detection of tyrosine. Analytica Chimica Acta, 2015, 879, 111-117.	5.4	10
12	Photochemical decoration of gold nanoparticles on polymer stabilized magnetic microspheres for determination of adenine by surface-enhanced Raman spectroscopy. Mikrochimica Acta, 2015, 182, 1017-1024.	5.0	20
13	Rapid detection of melamine in milk liquid and powder by surface-enhanced Raman scattering substrate array. Food Control, 2015, 56, 155-160.	5.5	50
14	Distanceâ€dependent Enhancement in Raman Spectroscopy Probed by Conjugated Molecules with Different Molecular Lengths. Journal of the Chinese Chemical Society, 2014, 61, 1009-1014.	1.4	1
15	Preparation of ZnO Nanowires and Study of Surfaceâ€adsorbate Interaction by Fourierâ€Transform Infrared Spectroscopy. Journal of the Chinese Chemical Society, 2014, 61, 240-246.	1.4	1
16	Photochemical decoration of silver nanoparticles on ZnO nanowires as a threeâ€dimensional substrate for surfaceâ€enhanced Raman scattering measurement. Journal of Raman Spectroscopy, 2014, 45, 407-413.	2.5	19
17	Preparation and characterization of silver film coated ZnO nanowire gas sensors based on the infrared surface enhancement effect for detection of VOCs. RSC Advances, 2014, 4, 19331.	3.6	6
18	Sensitive and selective colorimetric detection of Cu²⁺in aqueous medium via aggregation of thiomalic acid functionalized Ag nanoparticles. Analyst, The, 2014, 139, 6304-6309.	3.5	22

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19	Photochemical decoration of magnetic composites with silver nanostructures for determination of creatinine in urine by surface-enhanced Raman spectroscopy. Talanta, 2014, 130, 55-62.	5.5	29
20	Photochemical method for decoration of silver nanoparticles on filter paper substrate for SERS application. Journal of Raman Spectroscopy, 2014, 45, 574-580.	2.5	40
21	Photochemical decoration of silver nanoparticles on magnetic microspheres as substrates for the detection of adenine by surface-enhanced Raman scattering. Analytica Chimica Acta, 2014, 812, 114-120.	5.4	17
22	Enhancement of Raman Scattering for Silver Nanoparticles Located on Electrolessly Roughened Silicon. Applied Spectroscopy, 2014, 68, 172-178.	2.2	5
23	Probing Surface Enhancement Effect of Molecules On/Between Silver Nanoparticles in Surface Enhanced Raman Scattering. Journal of the Chinese Chemical Society, 2013, 60, 371-379.	1.4	1
24	Sensitive Cylindrical SERS Substrate Array for Rapid Microanalysis of Nucleobases. Analytical Chemistry, 2012, 84, 10277-10282.	6.5	32
25	para-Mercaptobenzoic acid-modified silver nanoparticles as sensing media for the detection of ammonia in air based on infrared surface enhancement effect. Analyst, The, 2011, 136, 2988.	3.5	7
26	Silver nanoparticle-treated filter paper as a highly sensitive surface-enhanced Raman scattering (SERS) substrate for detection of tyrosine in aqueous solution. Analytica Chimica Acta, 2011, 708, 89-96.	5.4	124
27	Gondola-shaped tetra-rhenium metallacycles modified evanescent wave infrared chemical sensors for selective determination of volatile organic compounds. Talanta, 2011, 85, 63-69.	5.5	4
28	Metal Ionâ€Assisted Infrared Optical Sensor for Selective Determination of Tryptophan in Urine Samples. Journal of the Chinese Chemical Society, 2011, 58, 435-442.	1.4	10
29	Preparation of high-capacity substrates from polycrystalline silver chloride for the selective detection of tyrosine by surface-enhanced infrared absorption (SEIRA) measurements. Analytical and Bioanalytical Chemistry, 2011, 401, 2935-2943.	3.7	6
30	Preparation of silver nanoparticles on zinc oxide nanowires by photocatalytic reduction for use in surfaceâ€enhanced Raman scattering measurements. Journal of Raman Spectroscopy, 2011, 42, 339-344.	2.5	15
31	Seedâ€mediated growth method for electroless deposition of AgNPs on glass substrates for use in SERS measurements. Journal of Raman Spectroscopy, 2010, 41, 167-174.	2.5	7
32	Development of a ZnO-modified Light-Scattering Sensor for the Detection of alcohols. Analytical Sciences, 2010, 26, 443-448.	1.6	4
33	Surface-Controlled Electroless Deposition Method in the Preparation of Stacked Silver Nanoparticles on Germanium for Surface-Enhanced Infrared Absorption Measurements. Applied Spectroscopy, 2010, 64, 211-218.	2.2	8
34	Characterization of Thio Compounds for a Surface-Controlled Electroless Deposition Method in the Preparation of Silver Nanoparticles on Germanium for Surface-Enhanced Infrared Absorption Measurements. Applied Spectroscopy, 2010, 64, 219-230.	2.2	3
35	Chemical Reduction Method for Preparation of Silver Nanoparticles on a Silver Chloride Substrate for Application in Surface-Enhanced Infrared Optical Sensors. Applied Spectroscopy, 2010, 64, 1094-1099.	2.2	15
36	Nanostructural Silver and Gold Substrates for Surface-Enhanced Raman Spectroscopy Measurements Prepared by Galvanic Displacement on Germanium Disks. Applied Spectroscopy, 2009, 63, 396-400.	2.2	25

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37	Development of an aminocarboxylic acid-modified infrared chemical sensor for selective determination of tyrosine in urine. Analytica Chimica Acta, 2008, 606, 230-238.	5.4	10
38	Development of an aminocarboxylic acid-modified infrared chemical sensor for selective determination of copper ions in aqueous solutions. Analytica Chimica Acta, 2008, 611, 89-96.	5.4	12
39	Self-Oriented Glucose-Modified Infrared Sensor for the Detection of Compounds Bearing Carboxylic Acid Groups. Applied Spectroscopy, 2008, 62, 38-45.	2.2	0
40	Influences of Composition on Electroless Deposition of Silver Nanoparticles on Glass Substrates for Surface-Enhanced Raman Scattering Measurements. Applied Spectroscopy, 2008, 62, 1384-1394.	2.2	19
41	Preparation and characterization by surface-enhanced infrared absorption spectroscopy of silver nanoparticles formed on germanium substrates by electroless displacement. Analytical and Bioanalytical Chemistry, 2007, 388, 109-119.	3.7	28
42	ZnO Nanoparticle-Modified Infrared Internal Reflection Elements for Selective Detection of Volatile Organic Compounds. Analytical Chemistry, 2006, 78, 2397-2404.	6.5	75
43	Î±-Cyclodextrin-modified infrared chemical sensor for selective determination of tyrosine in biological fluids. Analytical Biochemistry, 2006, 359, 124-131.	2.4	44
44	A New Infrared Spectroelectrochemical Cell for the Detection of Species Generated by Platinum and Screen-Printed Carbon Electrodes. Electroanalysis, 2006, 18, 267-274.	2.9	5
45	Development of infrared optical sensor for selective detection of tyrosine in biological fluids. Biosensors and Bioelectronics, 2005, 21, 408-418.	10.1	27
46	Characterization of cyclodextrin modified infrared chemical sensors. Part II. Selective and quantitative determination of aromatic acids. Analytica Chimica Acta, 2005, 530, 213-220.	5.4	12
47	Î±-Cyclodextrin-modified infrared chemical sensing system that utilizes enzymatic reactions for the determination of glucose. Analytica Chimica Acta, 2005, 537, 385-392.	5.4	8
48	Membrane-introduced infrared spectroscopic chemical sensing method for the detection of volatile organic compounds in aqueous solutions. Analyst, The, 2005, 130, 397.	3.5	10
49	Characterization of Infrared Chemical Sensors Modified with ZnO Nanowires for the Detection of Volatile Organic Compounds. Applied Spectroscopy, 2005, 59, 1002-1008.	2.2	8
50	Reflectionâ€“absorption infrared sensing device for detection of semivolatile aromatic compounds in soils. International Journal of Environmental Analytical Chemistry, 2004, 84, 1045-1058.	3.3	2
51	Development of the Headspace SPME/ATRâ€IR Method for Detection of Chlorinated Aromatic Compounds in Soils. Journal of the Chinese Chemical Society, 2004, 51, 761-768.	1.4	2
52	Characterization of cyclodextrin-modified infrared chemical sensorsPart I. Modeling the mechanisms of interaction. Analytica Chimica Acta, 2004, 527, 27-36.	5.4	5
53	Selective Detection of Copper Ions in Aqueous Solution Based on an Evanescent Wave Infrared Absorption Spectroscopic Method. Analytical Chemistry, 2003, 75, 2262-2269.	6.5	39
54	Early Salt Stress Effects on the Changes in Chemical Composition in Leaves of Ice Plant and Arabidopsis. A Fourier Transform Infrared Spectroscopy Study. Plant Physiology, 2002, 130, 1032-1042.	4.8	117

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55	Fiberâ€Optic Chemical Sensors: A General Review. Journal of the Chinese Chemical Society, 2002, 49, 677-692.	1.4	7
56	Infrared Reflection-Absorption Method for the Detection of Aromatic Compounds in Aqueous Solutions with Limited Sample Volumes.. Analytical Sciences, 2002, 18, 1247-1252.	1.6	1
57	Development of an Infrared Hollow Waveguide Sampler for the Detection of Organic Compounds in Aqueous Solutions with Limited Sample Volumes.. Analytical Sciences, 2002, 18, 555-560.	1.6	6
58	Development of the Infrared Hollow Waveguide Sampler for the Detection of Chlorophenols in Aqueous Solutions. Journal of AOAC INTERNATIONAL, 2002, 85, 163-172.	1.5	3
59	Cooled internal reflection element for infrared chemical sensing of volatile to semi-volatile organic compounds in the headspace of aqueous solutions. Analytica Chimica Acta, 2002, 462, 235-244.	5.4	19
60	Development of the infrared hollow waveguide sampler for the detection of chlorophenols in aqueous solutions. Journal of AOAC INTERNATIONAL, 2002, 85, 163-72.	1.5	1
61	Development of Electrode-Less Plating Method for Silver Film Preparations for Surface-Enhanced Infrared Absorption Measurements. Applied Spectroscopy, 2001, 55, 399-406.	2.2	24
62	Comparison of SPME/Transmission IR and SPME/ATR-IR Spectroscopic Methods in Detection of Chloroanilines in Aqueous Solutions. Applied Spectroscopy, 2001, 55, 919-926.	2.2	4
63	Development of an SPME/ATR-IR chemical sensor for detection of phenol type compounds in aqueous solutions. Analyst, The, 2001, 126, 881-886.	3.5	26
64	Infrared Chemical Sensor for Detection of Chlorinated Phenols in Aqueous Solutions Based on a ATR Waveguide Coated with Structural Designed Polymers. Journal of the Chinese Chemical Society, 2001, 48, 159-166.	1.4	3
65	Development of a Solid-Phase Microextraction/Reflection-Absorption Infrared Spectroscopic Method for the Detection of Chlorinated Aromatic Amines in Aqueous Solutions.. Analytical Sciences, 2001, 17, 751-756.	1.6	15
66	Development of headspace solid-phase microextraction/attenuated total reflection infrared chemical sensing method for the determination of volatile organic compounds in aqueous solutions. Analytica Chimica Acta, 2001, 436, 31-40.	5.4	17
67	Detection of chlorinated aromatic amines in aqueous solutions based on an infrared hollow waveguide sampler. Analytica Chimica Acta, 2001, 442, 267-275.	5.4	16
68	Combination of Porous Membrane and FT-IR Spectrometry for Detection of Chlorinated Semivolatile Compounds in Soils. International Journal of Environmental Analytical Chemistry, 2001, 79, 199-216.	3.3	3
69	IR Chemical Sensor for Detection of Aromatic Compounds in Aqueous Solutions Using Alkylated Polystyrene-Coated ATR Waveguides. Applied Spectroscopy, 2000, 54, 202-208.	2.2	21
70	IR chemical sensor for detection of chlorinated anilines in aqueous solutions based on ATR waveguides coated with derivatized polystyrene. Analyst, The, 2000, 125, 1605-1610.	3.5	27
71	Development of a Hollow Waveguide Sampler for Detection of Chlorinated Aromatic Compounds in Soils. Analytical Chemistry, 2000, 72, 878-884.	6.5	21
72	Development of an Infrared Hollow Waveguide as a Sensing Device for Detection of Organic Compounds in Aqueous Solutions. Analytical Chemistry, 1999, 71, 3740-3746.	6.5	19

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73	Purge-and-Trap ATR/IR Spectroscopic Method for the Detection of Semivolatile Aromatic Compounds in Soils. Analytical Chemistry, 1999, 71, 4690-4696.	6.5	28
74	Simplex Optimization of PCA-Based Infrared Expert Systems. Analytical Chemistry, 1999, 71, 960-967.	6.5	1
75	Gas-Assisted IR-ATR Probe for Detection of Volatile Compounds in Aqueous Solutions. Analytical Chemistry, 1999, 71, 1773-1779.	6.5	28
76	A Novel Quality Criteria for Optimization of Chromatographic Multicomponent Separations. Journal of the Chinese Chemical Society, 1999, 46, 105-114.	1.4	4