

Jyisy Yang

List of Publications by Year in descending order

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76
papers

1,376
citations

331670

21
h-index

377865

34
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76
all docs

76
docs citations

76
times ranked

1780
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver nanoparticle-treated filter paper as a highly sensitive surface-enhanced Raman scattering (SERS) substrate for detection of tyrosine in aqueous solution. <i>Analytica Chimica Acta</i> , 2011, 708, 89-96.	5.4	124
2	Early Salt Stress Effects on the Changes in Chemical Composition in Leaves of Ice Plant and <i>Arabidopsis</i> . A Fourier Transform Infrared Spectroscopy Study. <i>Plant Physiology</i> , 2002, 130, 1032-1042.	4.8	117
3	ZnO Nanoparticle-Modified Infrared Internal Reflection Elements for Selective Detection of Volatile Organic Compounds. <i>Analytical Chemistry</i> , 2006, 78, 2397-2404.	6.5	75
4	Preparation of silver nanoparticles coated ZnO/Fe ₃ O ₄ composites using chemical reduction method for sensitive detection of uric acid via surface-enhanced Raman spectroscopy. <i>Analytica Chimica Acta</i> , 2019, 1073, 62-71.	5.4	70
5	Rapid detection of melamine in milk liquid and powder by surface-enhanced Raman scattering substrate array. <i>Food Control</i> , 2015, 56, 155-160.	5.5	50
6	β-Cyclodextrin-modified infrared chemical sensor for selective determination of tyrosine in biological fluids. <i>Analytical Biochemistry</i> , 2006, 359, 124-131.	2.4	44
7	Photochemical method for decoration of silver nanoparticles on filter paper substrate for SERS application. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 574-580.	2.5	40
8	Selective Detection of Copper Ions in Aqueous Solution Based on an Evanescent Wave Infrared Absorption Spectroscopic Method. <i>Analytical Chemistry</i> , 2003, 75, 2262-2269.	6.5	39
9	Sensitive Cylindrical SERS Substrate Array for Rapid Microanalysis of Nucleobases. <i>Analytical Chemistry</i> , 2012, 84, 10277-10282.	6.5	32
10	Silver Nanoparticle-Decorated Shape-Memory Polystyrene Sheets as Highly Sensitive Surface-Enhanced Raman Scattering Substrates with a Thermally Inducible Hot Spot Effect. <i>Analytical Chemistry</i> , 2016, 88, 10908-10915.	6.5	31
11	Photochemical decoration of magnetic composites with silver nanostructures for determination of creatinine in urine by surface-enhanced Raman spectroscopy. <i>Talanta</i> , 2014, 130, 55-62.	5.5	29
12	Purge-and-Trap ATR/IR Spectroscopic Method for the Detection of Semivolatile Aromatic Compounds in Soils. <i>Analytical Chemistry</i> , 1999, 71, 4690-4696.	6.5	28
13	Gas-Assisted IR-ATR Probe for Detection of Volatile Compounds in Aqueous Solutions. <i>Analytical Chemistry</i> , 1999, 71, 1773-1779.	6.5	28
14	Preparation and characterization by surface-enhanced infrared absorption spectroscopy of silver nanoparticles formed on germanium substrates by electroless displacement. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 109-119.	3.7	28
15	IR chemical sensor for detection of chlorinated anilines in aqueous solutions based on ATR waveguides coated with derivatized polystyrene. <i>Analyst</i> , 2000, 125, 1605-1610.	3.5	27
16	Development of infrared optical sensor for selective detection of tyrosine in biological fluids. <i>Biosensors and Bioelectronics</i> , 2005, 21, 408-418.	10.1	27
17	Development of an SPME/ATR-IR chemical sensor for detection of phenol type compounds in aqueous solutions. <i>Analyst</i> , 2001, 126, 881-886.	3.5	26
18	Nanostructural Silver and Gold Substrates for Surface-Enhanced Raman Spectroscopy Measurements Prepared by Galvanic Displacement on Germanium Disks. <i>Applied Spectroscopy</i> , 2009, 63, 396-400.	2.2	25

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19	Development of Electrode-Less Plating Method for Silver Film Preparations for Surface-Enhanced Infrared Absorption Measurements. <i>Applied Spectroscopy</i> , 2001, 55, 399-406.	2.2	24
20	Sensitive and selective colorimetric detection of Cu ²⁺ in aqueous medium via aggregation of thiomalic acid functionalized Ag nanoparticles. <i>Analyst</i> , The, 2014, 139, 6304-6309.	3.5	22
21	IR Chemical Sensor for Detection of Aromatic Compounds in Aqueous Solutions Using Alkylated Polystyrene-Coated ATR Waveguides. <i>Applied Spectroscopy</i> , 2000, 54, 202-208.	2.2	21
22	Development of a Hollow Waveguide Sampler for Detection of Chlorinated Aromatic Compounds in Soils. <i>Analytical Chemistry</i> , 2000, 72, 878-884.	6.5	21
23	Photochemical decoration of gold nanoparticles on polymer stabilized magnetic microspheres for determination of adenine by surface-enhanced Raman spectroscopy. <i>Mikrochimica Acta</i> , 2015, 182, 1017-1024.	5.0	20
24	Development of an Infrared Hollow Waveguide as a Sensing Device for Detection of Organic Compounds in Aqueous Solutions. <i>Analytical Chemistry</i> , 1999, 71, 3740-3746.	6.5	19
25	Cooled internal reflection element for infrared chemical sensing of volatile to semi-volatile organic compounds in the headspace of aqueous solutions. <i>Analytica Chimica Acta</i> , 2002, 462, 235-244.	5.4	19
26	Influences of Composition on Electroless Deposition of Silver Nanoparticles on Glass Substrates for Surface-Enhanced Raman Scattering Measurements. <i>Applied Spectroscopy</i> , 2008, 62, 1384-1394.	2.2	19
27	Photochemical decoration of silver nanoparticles on ZnO nanowires as a three-dimensional substrate for surface-enhanced Raman scattering measurement. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 407-413.	2.5	19
28	Simultaneous Production and Surface Functionalization of Silver Nanoparticles for Label-free Colorimetric Detection of Copper Ion. <i>Analytical Sciences</i> , 2017, 33, 1115-1121.	1.6	19
29	Development of headspace solid-phase microextraction/attenuated total reflection infrared chemical sensing method for the determination of volatile organic compounds in aqueous solutions. <i>Analytica Chimica Acta</i> , 2001, 436, 31-40.	5.4	17
30	Photochemical decoration of silver nanoparticles on magnetic microspheres as substrates for the detection of adenine by surface-enhanced Raman scattering. <i>Analytica Chimica Acta</i> , 2014, 812, 114-120.	5.4	17
31	Tunable Coffee Ring Formation on Polycarbonate Nanofiber Film for Sensitive SERS Detection of Phenylalanine in Urine. <i>ACS Omega</i> , 2019, 4, 14928-14936.	3.5	17
32	Detection of chlorinated aromatic amines in aqueous solutions based on an infrared hollow waveguide sampler. <i>Analytica Chimica Acta</i> , 2001, 442, 267-275.	5.4	16
33	Single-Step Preparation of Silver-Doped Magnetic Hybrid Nanoparticles for the Catalytic Reduction of Nitroarenes. <i>ACS Omega</i> , 2018, 3, 3340-3347.	3.5	16
34	Development of a Solid-Phase Microextraction/Reflection-Absorption Infrared Spectroscopic Method for the Detection of Chlorinated Aromatic Amines in Aqueous Solutions.. <i>Analytical Sciences</i> , 2001, 17, 751-756.	1.6	15
35	Chemical Reduction Method for Preparation of Silver Nanoparticles on a Silver Chloride Substrate for Application in Surface-Enhanced Infrared Optical Sensors. <i>Applied Spectroscopy</i> , 2010, 64, 1094-1099.	2.2	15
36	Preparation of silver nanoparticles on zinc oxide nanowires by photocatalytic reduction for use in surface-enhanced Raman scattering measurements. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 339-344.	2.5	15

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37	Characterization of cyclodextrin modified infrared chemical sensors. Part II. Selective and quantitative determination of aromatic acids. <i>Analytica Chimica Acta</i> , 2005, 530, 213-220.	5.4	12
38	Development of an aminocarboxylic acid-modified infrared chemical sensor for selective determination of copper ions in aqueous solutions. <i>Analytica Chimica Acta</i> , 2008, 611, 89-96.	5.4	12
39	Membrane-introduced infrared spectroscopic chemical sensing method for the detection of volatile organic compounds in aqueous solutions. <i>Analyst, The</i> , 2005, 130, 397.	3.5	10
40	Development of an aminocarboxylic acid-modified infrared chemical sensor for selective determination of tyrosine in urine. <i>Analytica Chimica Acta</i> , 2008, 606, 230-238.	5.4	10
41	Metal Ion-Assisted Infrared Optical Sensor for Selective Determination of Tryptophan in Urine Samples. <i>Journal of the Chinese Chemical Society</i> , 2011, 58, 435-442.	1.4	10
42	Analyte-induced photoreduction method for visual and colorimetric detection of tyrosine. <i>Analytica Chimica Acta</i> , 2015, 879, 111-117.	5.4	10
43	Î±-Cyclodextrin-modified infrared chemical sensing system that utilizes enzymatic reactions for the determination of glucose. <i>Analytica Chimica Acta</i> , 2005, 537, 385-392.	5.4	8
44	Characterization of Infrared Chemical Sensors Modified with ZnO Nanowires for the Detection of Volatile Organic Compounds. <i>Applied Spectroscopy</i> , 2005, 59, 1002-1008.	2.2	8
45	Surface-Controlled Electroless Deposition Method in the Preparation of Stacked Silver Nanoparticles on Germanium for Surface-Enhanced Infrared Absorption Measurements. <i>Applied Spectroscopy</i> , 2010, 64, 211-218.	2.2	8
46	Three-Dimensional Surface-Enhanced Raman Scattering Substrate Fabricated Using Chemical Decoration of Silver Nanoparticles on Electrospun Polycarbonate Nanofibers. <i>Applied Spectroscopy</i> , 2017, 71, 879-887.	2.2	8
47	Fiber-Optic Chemical Sensors: A General Review. <i>Journal of the Chinese Chemical Society</i> , 2002, 49, 677-692.	1.4	7
48	Seed-mediated growth method for electroless deposition of AgNPs on glass substrates for use in SERS measurements. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 167-174.	2.5	7
49	para-Mercaptobenzoic acid-modified silver nanoparticles as sensing media for the detection of ammonia in air based on infrared surface enhancement effect. <i>Analyst, The</i> , 2011, 136, 2988.	3.5	7
50	Rhenium-Based Molecular Trap as an Evanescent Wave Infrared Chemical Sensing Medium for the Selective Determination of Amines in Air. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 35634-35640.	8.0	7
51	Development of an Infrared Hollow Waveguide Sampler for the Detection of Organic Compounds in Aqueous Solutions with Limited Sample Volumes.. <i>Analytical Sciences</i> , 2002, 18, 555-560.	1.6	6
52	Preparation of high-capacity substrates from polycrystalline silver chloride for the selective detection of tyrosine by surface-enhanced infrared absorption (SEIRA) measurements. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 2935-2943.	3.7	6
53	Preparation and characterization of silver film coated ZnO nanowire gas sensors based on the infrared surface enhancement effect for detection of VOCs. <i>RSC Advances</i> , 2014, 4, 19331.	3.6	6
54	Characterization of cyclodextrin-modified infrared chemical sensors Part I. Modeling the mechanisms of interaction. <i>Analytica Chimica Acta</i> , 2004, 527, 27-36.	5.4	5

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55	A New Infrared Spectroelectrochemical Cell for the Detection of Species Generated by Platinum and Screen-Printed Carbon Electrodes. <i>Electroanalysis</i> , 2006, 18, 267-274.	2.9	5
56	Enhancement of Raman Scattering for Silver Nanoparticles Located on Electrolessly Roughened Silicon. <i>Applied Spectroscopy</i> , 2014, 68, 172-178.	2.2	5
57	Electroless Reduction of Silver Chloride Precipitates for the Preparation of Highly Sensitive Substrates for Surface-Enhanced Infrared Absorption (SEIRA) Measurements. <i>Applied Spectroscopy</i> , 2015, 69, 37-44.	2.2	5
58	Surfactant-assisted electroless deposition of silver nanoparticles on Ge crystal for ultra-sensitive detection by surface-enhanced infrared absorption spectroscopy. <i>RSC Advances</i> , 2015, 5, 20390-20395.	3.6	5
59	A Novel Quality Criteria for Optimization of Chromatographic Multicomponent Separations. <i>Journal of the Chinese Chemical Society</i> , 1999, 46, 105-114.	1.4	4
60	Comparison of SPME/Transmission IR and SPME/ATR-IR Spectroscopic Methods in Detection of Chloroanilines in Aqueous Solutions. <i>Applied Spectroscopy</i> , 2001, 55, 919-926.	2.2	4
61	Development of a ZnO-modified Light-Scattering Sensor for the Detection of alcohols. <i>Analytical Sciences</i> , 2010, 26, 443-448.	1.6	4
62	Gondola-shaped tetra-rhenium metallacycles modified evanescent wave infrared chemical sensors for selective determination of volatile organic compounds. <i>Talanta</i> , 2011, 85, 63-69.	5.5	4
63	Infrared Chemical Sensor for Detection of Chlorinated Phenols in Aqueous Solutions Based on a ATR Waveguide Coated with Structural Designed Polymers. <i>Journal of the Chinese Chemical Society</i> , 2001, 48, 159-166.	1.4	3
64	Combination of Porous Membrane and FT-IR Spectrometry for Detection of Chlorinated Semivolatile Compounds in Soils. <i>International Journal of Environmental Analytical Chemistry</i> , 2001, 79, 199-216.	3.3	3
65	Development of the Infrared Hollow Waveguide Sampler for the Detection of Chlorophenols in Aqueous Solutions. <i>Journal of AOAC INTERNATIONAL</i> , 2002, 85, 163-172.	1.5	3
66	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. <i>Applied Spectroscopy</i> , 2010, 64, 219-230.	2.2	3
67	Reflection-absorption infrared sensing device for detection of semivolatile aromatic compounds in soils. <i>International Journal of Environmental Analytical Chemistry</i> , 2004, 84, 1045-1058.	3.3	2
68	Development of the Headspace SPME/ATR-IR Method for Detection of Chlorinated Aromatic Compounds in Soils. <i>Journal of the Chinese Chemical Society</i> , 2004, 51, 761-768.	1.4	2
69	Simplex Optimization of PCA-Based Infrared Expert Systems. <i>Analytical Chemistry</i> , 1999, 71, 960-967.	6.5	1
70	Infrared Reflection-Absorption Method for the Detection of Aromatic Compounds in Aqueous Solutions with Limited Sample Volumes.. <i>Analytical Sciences</i> , 2002, 18, 1247-1252.	1.6	1
71	Probing Surface Enhancement Effect of Molecules On/Between Silver Nanoparticles in Surface Enhanced Raman Scattering. <i>Journal of the Chinese Chemical Society</i> , 2013, 60, 371-379.	1.4	1
72	Distance-dependent Enhancement in Raman Spectroscopy Probed by Conjugated Molecules with Different Molecular Lengths. <i>Journal of the Chinese Chemical Society</i> , 2014, 61, 1009-1014.	1.4	1

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73	Preparation of ZnO Nanowires and Study of Surface Adsorbate Interaction by Fourier Transform Infrared Spectroscopy. Journal of the Chinese Chemical Society, 2014, 61, 240-246.	1.4	1
74	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
75	Self-Oriented Glucose-Modified Infrared Sensor for the Detection of Compounds Bearing Carboxylic Acid Groups. Applied Spectroscopy, 2008, 62, 38-45.	2.2	0
76	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