

# Jyisy Yang

## List of Publications by Year in descending order

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76  
papers

1,376  
citations

331259

21  
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377514

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. <i>ACS Omega</i> , 2019, 4, 14928-14936.  | 1.6 | 17        |
| 2  | Preparation of silver nanoparticles coated ZnO/Fe <sub>3</sub> O <sub>4</sub> 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. | 2.6 | 70        |
| 3  | Single-Step Preparation of Silver-Doped Magnetic Hybrid Nanoparticles for the Catalytic Reduction of Nitroarenes. <i>ACS Omega</i> , 2018, 3, 3340-3347.  | 1.6 | 16        |
| 4  | 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.                                      | 1.2 | 8         |
| 5  | Simultaneous Production and Surface Functionalization of Silver Nanoparticles for Label-free Colorimetric Detection of Copper Ion. <i>Analytical Sciences</i> , 2017, 33, 1115-1121.  | 0.8 | 19        |
| 6  | Rhenium-Based Molecular Trap as an Evanescent Wave Infrared Chemical Sensing Medium for the Selective Determination of Amines in Air. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 35634-35640.   | 4.0 | 7         |
| 7  | An oxidation layer for regulating galvanically grown silver nanoparticles on silicon crystal for highly sensitive surface-enhanced Raman scattering measurements. <i>CrystEngComm</i> , 2016, 18, 9275-9280.  | 1.3 | 0         |
| 8  | 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.                           | 3.2 | 31        |
| 9  | 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.                                    | 1.2 | 5         |
| 10 | 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.  | 1.7 | 5         |
| 11 | Analyte-induced photoreduction method for visual and colorimetric detection of tyrosine. <i>Analytica Chimica Acta</i> , 2015, 879, 111-117.  | 2.6 | 10        |
| 12 | 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.  | 2.5 | 20        |
| 13 | Rapid detection of melamine in milk liquid and powder by surface-enhanced Raman scattering substrate array. <i>Food Control</i> , 2015, 56, 155-160.  | 2.8 | 50        |
| 14 | 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.   | 0.8 | 1         |
| 15 | Preparation of ZnO Nanowires and Study of Surface Adsorbate Interaction by Fourier Transform Infrared Spectroscopy. <i>Journal of the Chinese Chemical Society</i> , 2014, 61, 240-246.   | 0.8 | 1         |
| 16 | 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.   | 1.2 | 19        |
| 17 | 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.   | 1.7 | 6         |
| 18 | Sensitive and selective colorimetric detection of Cu <sup>2+</sup> in aqueous medium via aggregation of thiomalic acid functionalized Ag nanoparticles. <i>Analyst</i> , 2014, 139, 6304-6309.  | 1.7 | 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. <i>Talanta</i> , 2014, 130, 55-62.  | 2.9 | 29        |
| 20 | Photochemical method for decoration of silver nanoparticles on filter paper substrate for SERS application. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 574-580.   | 1.2 | 40        |
| 21 | 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.  | 2.6 | 17        |
| 22 | Enhancement of Raman Scattering for Silver Nanoparticles Located on Electrolessly Roughened Silicon. <i>Applied Spectroscopy</i> , 2014, 68, 172-178.   | 1.2 | 5         |
| 23 | 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.   | 0.8 | 1         |
| 24 | Sensitive Cylindrical SERS Substrate Array for Rapid Microanalysis of Nucleobases. <i>Analytical Chemistry</i> , 2012, 84, 10277-10282.   | 3.2 | 32        |
| 25 | para-Mercaptobenzoic acid-modified silver nanoparticles as sensing media for the detection of ammonia in air based on infrared surface enhancement effect. <i>Analyst</i> , 2011, 136, 2988.  | 1.7 | 7         |
| 26 | 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.  | 2.6 | 124       |
| 27 | 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.  | 2.9 | 4         |
| 28 | 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.  | 0.8 | 10        |
| 29 | 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.  | 1.9 | 6         |
| 30 | 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.  | 1.2 | 15        |
| 31 | 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.   | 1.2 | 7         |
| 32 | Development of a ZnO-modified Light-Scattering Sensor for the Detection of alcohols. <i>Analytical Sciences</i> , 2010, 26, 443-448.  | 0.8 | 4         |
| 33 | 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.                                  | 1.2 | 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. <i>Applied Spectroscopy</i> , 2010, 64, 219-230. | 1.2 | 3         |
| 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.   | 1.2 | 15        |
| 36 | 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.   | 1.2 | 25        |

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|----|---|-----|-----------|
| 37 | 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.  | 2.6 | 10        |
| 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.   | 2.6 | 12        |
| 39 | Self-Oriented Glucose-Modified Infrared Sensor for the Detection of Compounds Bearing Carboxylic Acid Groups. <i>Applied Spectroscopy</i> , 2008, 62, 38-45.  | 1.2 | 0         |
| 40 | 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.  | 1.2 | 19        |
| 41 | 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. | 1.9 | 28        |
| 42 | ZnO Nanoparticle-Modified Infrared Internal Reflection Elements for Selective Detection of Volatile Organic Compounds. <i>Analytical Chemistry</i> , 2006, 78, 2397-2404.   | 3.2 | 75        |
| 43 | $\beta$ -Cyclodextrin-modified infrared chemical sensor for selective determination of tyrosine in biological fluids. <i>Analytical Biochemistry</i> , 2006, 359, 124-131.  | 1.1 | 44        |
| 44 | 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.   | 1.5 | 5         |
| 45 | Development of infrared optical sensor for selective detection of tyrosine in biological fluids. <i>Biosensors and Bioelectronics</i> , 2005, 21, 408-418.  | 5.3 | 27        |
| 46 | 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.   | 2.6 | 12        |
| 47 | $\beta$ -Cyclodextrin-modified infrared chemical sensing system that utilizes enzymatic reactions for the determination of glucose. <i>Analytica Chimica Acta</i> , 2005, 537, 385-392.   | 2.6 | 8         |
| 48 | Membrane-introduced infrared spectroscopic chemical sensing method for the detection of volatile organic compounds in aqueous solutions. <i>Analyst</i> , 2005, 130, 397.   | 1.7 | 10        |
| 49 | Characterization of Infrared Chemical Sensors Modified with ZnO Nanowires for the Detection of Volatile Organic Compounds. <i>Applied Spectroscopy</i> , 2005, 59, 1002-1008.   | 1.2 | 8         |
| 50 | 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.  | 1.8 | 2         |
| 51 | 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.   | 0.8 | 2         |
| 52 | Characterization of cyclodextrin-modified infrared chemical sensors Part I. Modeling the mechanisms of interaction. <i>Analytica Chimica Acta</i> , 2004, 527, 27-36.   | 2.6 | 5         |
| 53 | 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.   | 3.2 | 39        |
| 54 | 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.                             | 2.3 | 117       |

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|----|---|-----|-----------|
| 55 | Fiber-Optic Chemical Sensors: A General Review. <i>Journal of the Chinese Chemical Society</i> , 2002, 49, 677-692.   | 0.8 | 7         |
| 56 | 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.  | 0.8 | 1         |
| 57 | 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.   | 0.8 | 6         |
| 58 | 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.   | 0.7 | 3         |
| 59 | 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.                                    | 2.6 | 19        |
| 60 | Development of the infrared hollow waveguide sampler for the detection of chlorophenols in aqueous solutions. <i>Journal of AOAC INTERNATIONAL</i> , 2002, 85, 163-72.  | 0.7 | 1         |
| 61 | Development of Electrode-Less Plating Method for Silver Film Preparations for Surface-Enhanced Infrared Absorption Measurements. <i>Applied Spectroscopy</i> , 2001, 55, 399-406.   | 1.2 | 24        |
| 62 | 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.  | 1.2 | 4         |
| 63 | Development of an SPME/ATR-IR chemical sensor for detection of phenol type compounds in aqueous solutions. <i>Analyst, The</i> , 2001, 126, 881-886.  | 1.7 | 26        |
| 64 | 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.                     | 0.8 | 3         |
| 65 | 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.                      | 0.8 | 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. <i>Analytica Chimica Acta</i> , 2001, 436, 31-40. | 2.6 | 17        |
| 67 | Detection of chlorinated aromatic amines in aqueous solutions based on an infrared hollow waveguide sampler. <i>Analytica Chimica Acta</i> , 2001, 442, 267-275.  | 2.6 | 16        |
| 68 | 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.                                   | 1.8 | 3         |
| 69 | 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.   | 1.2 | 21        |
| 70 | IR chemical sensor for detection of chlorinated anilines in aqueous solutions based on ATR waveguides coated with derivatized polystyrene. <i>Analyst, The</i> , 2000, 125, 1605-1610.  | 1.7 | 27        |
| 71 | Development of a Hollow Waveguide Sampler for Detection of Chlorinated Aromatic Compounds in Soils. <i>Analytical Chemistry</i> , 2000, 72, 878-884.  | 3.2 | 21        |
| 72 | 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.   | 3.2 | 19        |

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|----|--|-----|-----------|
| 73 | Purge-and-Trap ATR/IR Spectroscopic Method for the Detection of Semivolatile Aromatic Compounds in Soils. <i>Analytical Chemistry</i> , 1999, 71, 4690-4696. | 3.2 | 28        |
| 74 | Simplex Optimization of PCA-Based Infrared Expert Systems. <i>Analytical Chemistry</i> , 1999, 71, 960-967.  | 3.2 | 1         |
| 75 | Gas-Assisted IR-ATR Probe for Detection of Volatile Compounds in Aqueous Solutions. <i>Analytical Chemistry</i> , 1999, 71, 1773-1779.                       | 3.2 | 28        |
| 76 | A Novel Quality Criteria for Optimization of Chromatographic Multicomponent Separations. <i>Journal of the Chinese Chemical Society</i> , 1999, 46, 105-114. | 0.8 | 4         |