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## Combination Of Surface Plasmon Resonance And X-ray ...

Combination Of Surface Plasmon Resonance And X-ray Absorption Spectroscopy: SPR-XAS Setup A 1,2 Serrano 1,2, O 1,2 Rodríguez De La Fuente<sup>3</sup>, V. Collado<sup>3</sup>, J. Rubio-Zuazo<sup>3</sup>, C. Montón<sup>4</sup>, G R Castro And M A García<sup>5,6</sup> 1 SpLine, Spanish CRG Beamline At The ESRF, F-38043 Grenoble, Cedex 09, France 2 Instituto De Ciencia De Materiales Feb 3th, 2024

## Comparison Of Surface Plasmon Resonance, Resonant ...

Alere (Brisbane), 532 Seventeen Mile Rocks Road, Sinnamon Park, Qld, 4073 Australia; E-Mail: Catriona.mcelnea@alere.com 4 Alere (San Diego), Summer Ridge Road, San Diego, CA 92121, USA; E-Mail: Joseph.buechler@alere May 1th, 2024

## Use Of Surface Plasmon Resonance In Determination Of Salinity

Thermocouple Reader (Omega) 0.01°C K-type TC ( $\pm 0.5^\circ\text{C}$ ) Straight SPR Probe Isothermal Bath (Fisher) 0.02°C Spectrometer (Ocean Optics) 0.01nm P3 1.1GHz 256 Feb 2th, 2024

## Surface Plasmon Resonance Imaging Measurements Of ...

Polyclonal Rabbit Anti-human  $\alpha$ -2-microglobulin (anti- $\alpha$  2m, 3.9 G/L) And Rabbit Anti-human Cystatin C (anti-cysC, 16 G/L) Were Purchased From Dako A/S. The Antibody To Staphylococcal Enterotoxin B (SEB, 1 G/L) Was Purchased From Toxin Technol-ogy. Two Protein Biomarkers Extracted From Human Urine,  $\alpha$ -2-microglobulin ( $\alpha$  Jan 1th, 2024

## Reichert Surface Plasmon Resonance-Recent Publications

Lee, Do-Yeon Kim, Goutam Chakraborty, Kwan Yong Choi, Ho Sup Yoon, And Kyong-Tai Kim, "Obtusilactone B From Machilus Thunbergii Targets Barrier-to-Autointegration Factor To Treat Cancer," Molecular Pharmacology, 2013, 83, 367-376. 6. Minako Sumita, Neil ... Apr 4th, 2024

## Voltage Controlled Nanoparticle Plasmon Resonance Tuning ...

Ws Two Sets After Four And Attenuating Spectra Single Particle Scattered Lines). The Perpendicular E-shift As The Thickness Of The Single Dielectric Steps A Is Observed From Scattered Spectra E Corresponding (z-polarized) Oxide Thickness The Particle Scattered A Function Apr 3th, 2024

## Colorimetric Detection Based On Localised Surface Plasmon ...

(Tokyo, Japan). The UV-Vis Spectrophotometer Was From Thermo Scientific GENESYS 10S (Toronto, Canada). The FT-IR Spectra Were Collected In The Attenuated Total Reflection (ATR) Mode Using A PerkinElmer RX FT-IR 2x Instrument With Diamond ATR And DRIFT Attachment From PerkinElmer (Buckinghamshire, UK). The Thermo- May 1th, 2024

## Sensors, Chemical Sensors, Electrochemical Sensors, And ECS

Reached 26 Chemical Sensor Papers Since Its Inception In 1998. Of The 26 Sensor-related Papers In ESL, More Than 60% Discuss Solid Electrolyte Sensors. The Interest In This Type Of Sensor Is Growing And Is The Topic Of A Joint Meeting Of The ECS Sensor Division And The American Ceramic Society Apr 2th, 2024

## Solving Surface Plasmon Resonances And Near Field In ...

Properties Are Greatly Modified Due To The Existence Of Free Electrons In The Neighboring Metal. There Are Several Ways To Solve The SPR Of Metallic Nanostructure, Including The Finite-difference Time Domain Method (FDTD) [32], Discrete Dipole Approximation (DDA) [33], Mie Theory [34], Green's Tensor Method [35], The May 4th, 2024

## Surface Plasmon Enhanced Infrared Photodetection

Fundamentals Surface Plasmon The Quasi Particle Of Light And Collective Electron Oscillations Along The Metal-dielectric Interface Is Referred To As Surface Plasmon Polariton (SPP), Which Supports Intense Electromagnetic Confinement In The Deep Subwavelength Dimension<sup>21</sup>. The SPPs Can Be Conventionally Divided Into Feb 4th, 2024

## Side-coupled Cavity Model For Surface Plasmon- Polariton ...

Side-coupled Cavity Model For Surface Plasmon-polariton Transmission Across A Groove John S. Q. Liu<sup>1</sup>, Justin S. White<sup>1</sup>, Shanhui Fan<sup>2</sup>, And Mark L. Brongersma<sup>1,\*</sup> 1Geballe Laboratory For Advanced Materials, Stanford, California 94305, USA 2Ginzton Laboratory, Stanford, California 94305, USA \*brongersma@stanford.edu Abstract: W Feb 3th, 2024

## Spoof Surface Plasmon Revision - KAIST

Propagation Of Spoof Surface Plasmon On Metallic Square Lattice: Bending And Splitting Of Self-collimated Beams Kap-Joong Kim,<sup>1</sup> Jae-Eun Kim,<sup>1</sup> Hae Yong Park,<sup>1</sup> Yong-Hee Lee,<sup>1,4</sup> Seong-Han Kim,<sup>2</sup> Sun-Goo Lee,<sup>2</sup> And Chul-Sik Kee<sup>2,3,\*</sup> 1Department Of Physics, KAIST, Daejeon 305-701, South Korea 2Ultra-Intense Laser Jan 4th, 2024

## Surface Plasmon-enhanced Transverse Magnetic Second ...

Samples Under The Kretschmann-Raether Configuration [1]. Large Enhancement Of Both The MSHG Signal Intensity And Magnetic Contrast Ratios [12] Are Observed Under Attenuated Total Reflection (ATR). In Contrast To Feb 1th, 2024

### **Figures Of Merit For 2D Surface Plasmon Waveguides And ...**

Figures Of Merit For 2D Surface Plasmon Waveguides And Application To Metal Stripes Robin Buckley 1 And Pierre Berini 1,2  
1School Of Information Technology And Engineering (SITE), University Of Ottawa, 161 Louis Pasteur Ottawa ON, K1N 6N5,  
Canada 2Spectalis Corporation, PO Box 72029, Kanata North RPO, Ottawa ON, K2K 2P4, Jan 1th, 2024

### **Supplementary Information: Hybrid Surface-Phonon-Plasmon ...**

4. Determination Of Carrier Density Of Graphene Sheet Interband Transitions Occur In Graphene When The Incident Photon Energy Is Higher Than Two Times Of The Fermi Level (EF) Of The Graphene, And Thus It Is Possible To Estimate The Fermi Energy From The Transmission Modulation Due To The Onset Of Interband Transition.6 As A Reference Signal, We Mar 3th, 2024

### **The Forces From Coupled Surface Plasmon Polaritons In ...**

Plasmon Polaritons In Planar Waveguides The Harvard Community Has Made This Article Openly Available. Please Share How ... 5. D. G. Grier, "A ... D. Palik, Ed. Handbook Of Optical Constants Of Solids (Academic Press, San Diego, 1997). 45. I. Feb 3th, 2024

### **Plasmon-based Losses In OLEDs**

Loss Mechanisms In Planar Bottom-emitting OLEDs Amount Of Power In Different Modes In Alq 3 . OLED, Amount Of Power In Different Modes In Alq. OLED, Assuming QY = 1 Assuming QY = 0.2 - SPP Loss Portion Heavily V Apr 4th, 2024

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Electrochemistry Andrew J. Wilson † , Varun Mohan ‡ , And Prashant K. Jain \*†#\$\$ † Department Of Chemistry, ‡ Department Of Materials Science And Engineering, # Materials May 2th, 2024

### **Self-Similarity Of Plasmon Edge Modes On Koch Fractal Antennas**

Plasmon Edge Modes Supported By The Fractal Structures Have Been Imaged And Analyzed. Furthermore, By Isolating And Reproducing Self-similar Features In Long Silver Strip Antennas, The Edge Modes Present In The Koch Snowflake Fractals Are Identified. Jan 1th, 2024

### **Chapter 7 Ultrafast And Nonlinear Plasmon Dynamics**

Extreme Nonlinear Optics, And Nano-photonic Devices. Keywords Nonlinear Optics ·Metal Optics ·Plasmonics ·Ultrafast Dynamics 7.1 Electronic Excitation At Metal Surfaces: Surface Modes 7.1.1 Introduction Optical Excitations Of Electrons At Metal Surfaces Play An Important Role In A Wide Range Of Fundamental And Applied Science Applications. Feb 3th, 2024

### **Plasmon-enhanced Terahertz Emission In Self-assembled ...**

Detectors And Emitters Operating In The THz, Are Semiconductor Nanostructures, Such As Quantum Wells (QWs) And Quantum Dots (QDs).18,19 Low-dimensional Semiconductor Heterostruc-tures Are Almost Ideally Suited For Terahertz And Infrared Gener-ation Because The Spacing Between Levels Of Dimensional May 4th, 2024

### **Spoof Plasmon Analogue Of Metal-insulator-metal Waveguides**

Spoof Plasmon Analogue Of Metal-insulator-metal Waveguides . Mikhail A. Kats,\* David Woolf, Romain Blanchard, Nanfang Yu, And Federico Capasso . School Of Engineering And Applied Sciences, Harvard Uni Apr 4th, 2024

### **Anti-Hermitian Plasmon Coupling Of An Arrayof Gold Thin ...**

Anti-Hermitian Plasmon Coupling Of An Arrayof Gold Thin-Film Antennas For Controlling Light At The Nanoscale Shuang Zhang,1,2 Ziliang Ye,1 Yuan Wang,1 Yongshik Park,1 Guy Bartal,1 Michael Mrejen,1 Xiaobo Yin,3 And Xiang Zhang1,3,\*  
1Nanoscale Science And Engineering Center, 5130 Etcheverry Hall, University Of California, Berkeley, California 94720-1740, USA 2School Of Physics And Astronomy ... May 4th, 2024

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