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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 11th, 2024

Solving Surface Plasmon Resonances And Near Field In ...

erties Are Greatly Modified Due To The Existence Of Free Elec-trons 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 Mar 5th, 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 27th, 2024

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

Combination Of Surface Plasmon Resonance And X-ray Absorption Spectroscopy: SPR-XAS Setup A 1,2Serrano 1,2, O 1,2Rodríguez De La Fuente3, V. Collado , J. Rubio-Zuazo , C. Monton4, G R Castro And M A García5,6 1 SpLine, Spanish CRG Beamline At The ESRF, F-38043 Grenoble, Cedex 09, France 2 Instituto De Ciencia De Materiales Feb 26th, 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 Dimension²¹. The SPPs Can Be Conventionally Divided Into Mar
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Side-coupled Cavity Model For Surface Plasmon- Polariton ...

Side-coupled Cavity Model For Surface Plasmon-polariton Transmission Across A Groove John S. Q. Liu ¹, Justin S. White ¹, Shanhui Fan ², And Mark L. Brongersma ^{1,*} ¹Geballe Laboratory For Advanced Materials, Stanford, California 94305, USA ²Ginzton Laboratory, Stanford, California 94305, USA *brongersma@stanford.edu
Abstract: W Feb 25th, 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,¹ Jae-Eun Kim,¹ Hae Yong Park,¹ Yong-Hee Lee,^{1,4} Seong-Han Kim,² Sun-Goo Lee,² And Chul-Sik Kee^{2,3,*}
¹Department Of Physics, KAIST, Daejeon 305-701, South Korea ²Ultra-Intense L Feb

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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 T Feb 8th, 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 Apr 4th, 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 Mar 25th, 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 (E_F) 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 Apr 23th, 2024

Surface Plasmon Resonance Imaging Measurements Of ...

Polyclonal Rabbit Anti-human α -2-microglobulin (anti- α 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 Technology. Two Protein Biomarkers Extracted From Human Urine, α -2-microglobulin (α Feb 10th, 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 ... Mar 7th, 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- Feb 5th, 2024

Observation Of Rydberg Exciton Polaritons And Their ...

Phenomena, Such As Polariton Condensation, Superfluidity, And Quantum Vortices, That Are Similar To Those Seen In Cold Atom Bose-Einstein Condensation, But At Much Elevated Temperatures (4-8). Polariton Condensation Relies On Strong Nonlinear Polariton Interactions Via Their Matter Constituent, And Is Characterized By Feb 4th, 2024

Protocol For Creating Laughlin States Of Polaritons And ...

N-particle Laughlin State As A Function Of Time During Drive, For Sweep Duration . Each Successive Plateau Corresponds To Increasing N By 1. (b) Fidelity Of State

Preparation Vs Sweep Duration. ARO-MURI On Non-Equilibrium Dynamics NSF PHY-1508300 1. D. Arovas, J. R. Schrieffer, And F. Wilczek, Phys. Rev. Lett. 53, 722 (1984) 2. N. Feb 7th, 2024

Bose-Einstein Condensation Of Long-Lifetime Polaritons In ...

Bose-Einstein Condensation Of Long-Lifetime Polaritons In Thermal Equilibrium
Yongbao Sun,^{1,*} Patrick Wen,¹ Yoseob Yoon,¹ Gangqiang Liu,² Mark Steger,² Loren N. Pfeiffer,³ Ken West,³ David W. Snoke,^{2,†} And Keith A. Nelson¹ ¹Department Of Chemistry And Center For Excitonics, Massachusetts Institute Of Technology, 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, USA Feb 27th, 2024

Characteristics Of Exciton-polaritons In ZnO- Based Hybrid ...

Characteristics Of Exciton-polaritons In ZnO- Based Hybrid Microcavities . Jun-Rong Chen, 1. Tien-Chang L Apr 7th, 2024

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