

surface plasmon polaritons spps pdf

Surface plasmon polaritons (SPPs) are infrared or visible-frequency electromagnetic waves that travel along a metal–dielectric or metal–air interface. The term "surface plasmon polariton" explains that the wave involves both charge motion in the metal ("surface plasmon") and electromagnetic waves in the air or dielectric ("polariton"). They are a type of surface wave, guided along the ...

Surface plasmon polariton - Wikipedia

Just as information can be carried by electrons in metal wires in a microchip, photons of light can carry information through silicon waveguides to form a photonic microchip.

Graphene surfaces on photonic racetracks - Phys.org

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