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META

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2023 7 18 21

Bottom-up fabrication routes for nanomaterials, New fabrication methods for nanophotonics, Self-assembled metamaterials, Disordered and non-periodic metamaterials and metasurfaces, Colloidal optical nanoresonators, Metasurfaces or metamaterial-based lenses and antennas, Programmable metasurfaces for applications to sensors, Metasurfaces for absorbing materials and screens, Metasurfaces for energy harvesting and/or wireless power transfer, Reconfigurable Intelligent Surfaces and Metamaterials, Cloaking and camouflaging devices, 3D printing, Functional plasmonics, Homogenization of anisotropic media, Metasurfaces, Propagation of surface plasmon polaritons, Applications of metamaterials, Metamaterial based devices, Structural color and their unique properties, Multifunctional biophotonic structures, Dynamic and adaptive biophotonic structures, Sustainable and green photonics and colors, Scalable fabrication strategies: multiscale, self-assembly, additive, Characterization, imaging and spectroscopy of biological and bioinspired photonic materials “ S Vacancies-Triggered High SERS Activity of MoS_2 for Ultrasensitive Detection of Trace Diclofena ”

(SERS) (MoS_2)

SERS SERS

SERS (V_S)

SERS V_S-MoS_2 V_S SERS

V_S MoS_2

V_S MoS_2

DCF

V_S-MoS_2 5.85×10^3 V_S-MoS_2

DCF (10^{-8} M)

DCF DCF DCF

SERS

“ Noncontractible loop states from a partially flat band in a photonic borophene lattice ”

(CLSs)

CLSs NLSs

NLSs NLSs

“ Enabling infinite Q factors in absorbing optical systems ”

(Q)

(BIC)

BIC Q

Q 107

Q

“ Erbium emitters in commercially fabricated nanophotonic silicon waveguides ”

>2 GHz

>30 kHz 9 T

CMOS

SERS