

Gesuri Morales-Luna

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

118
citations

1306789

7
h-index

1281420

11
g-index

15
all docs

15
docs citations

15
times ranked

74
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Enhancement of Light Absorption by Leaky Modes in a Random Plasmonic Metasurface. <i>Journal of Physical Chemistry C</i> , 2022, 126, 3163-3170. | 1.5 | 5 |
| 2 | An optical sensor combining surface plasmon resonance, light extinction, and near-critical angle reflection, for thin liquid film biochemical sensing. <i>Optics and Lasers in Engineering</i> , 2022, 158, 107137. | 2.0 | 3 |
| 3 | Extinction Coefficient Modulation of MoO ₃ Films Doped with Plasmonic Nanoparticles: From an Effective Medium Theory Description. <i>Nanomaterials</i> , 2021, 11, 2050. | 1.9 | 4 |
| 4 | Plasmonic biosensor based on an effective medium theory as a simple tool to predict and analyze refractive index changes. <i>Optics and Laser Technology</i> , 2020, 131, 106332. | 2.2 | 8 |
| 5 | Effective medium theory to the description of plasmonic resonances: Role of Au and Ti nanoparticles embedded in MoO ₃ thin films. <i>Scientific Reports</i> , 2020, 10, 5841. | 1.6 | 14 |
| 6 | Internal reflectance from a disordered monolayer of small gold nanoparticles on a glass substrate: Theory vs. experiment. <i>Materials Today: Proceedings</i> , 2019, 13, 404-412. | 0.9 | 2 |
| 7 | Characterization of Rhodamine 110 adsorbed on carbon-based electrospun nanofibers decorated with gold nanoparticles by Raman spectroscopy and SERS. <i>Materials Research Express</i> , 2019, 6, 125012. | 0.8 | 1 |
| 8 | Optical sizing of nanoparticles in thin films of nonabsorbing nanocolloids. <i>Applied Optics</i> , 2019, 58, 5989. | 0.9 | 4 |
| 9 | Analytical modeling of optical reflectivity of random plasmonic nano-monolayers. <i>Optics Express</i> , 2018, 26, 12660. | 1.7 | 15 |
| 10 | Optical Coherent Reflection from a Confined Colloidal Film: Modeling and Experiment. <i>Journal of Physical Chemistry B</i> , 2018, 122, 8570-8581. | 1.2 | 10 |
| 11 | Viability and fundamental limits of critical-angle refractometry of turbid colloids. <i>Measurement Science and Technology</i> , 2017, 28, 125203. | 1.4 | 19 |
| 12 | Sensitivity of optical reflectance to the deposition of plasmonic nanoparticles and limits of detection. <i>Journal of Nanophotonics</i> , 2016, 10, 026019. | 0.4 | 2 |
| 13 | Experimental Test of Reflectivity Formulas for Turbid Colloids: Beyond the Fresnel Reflection Amplitudes. <i>Journal of Physical Chemistry B</i> , 2016, 120, 583-595. | 1.2 | 17 |
| 14 | On the effective refractive index of blood. <i>Physica Scripta</i> , 2016, 91, 015503. | 1.2 | 13 |
| 15 | Optical reflectivity as an inspection tool for metallic nanoparticles deposited randomly on a flat substrate. , 2015, , . | | 1 |