Xinchao Lu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3634374/publications.pdf

Version: 2024-02-01

27 papers	578 citations	623734 14 h-index	610901 24 g-index
27 all docs	27 docs citations	27 times ranked	659 citing authors

#	Article	IF	Citations
1	Effects of nanoparticle sizes, shapes, and permittivity on plasmonic imaging. Optics Express, 2022, 30, 6051.	3.4	7
2	Reviewâ€"Advances in Surface Plasmon Resonance Microscopy and Its Applications to Single Cells, Viruses, and Molecules. Journal of the Electrochemical Society, 2022, 169, 077515.	2.9	3
3	Advanced Label-Free Laser Scanning Microscopy and Its Biological Imaging Application. Applied Sciences (Switzerland), 2021, 11, 1002.	2.5	1
4	Locally excited surface plasmon resonance for refractive index sensing with high sensitivity and high resolution. Optics Letters, 2021, 46, 3625.	3.3	3
5	Influence of Refractive Index to Plasmonic Interferometric Imaging. IEEE Photonics Journal, 2021, 13, 1-7.	2.0	2
6	Label-Free Imaging of Single Nanoparticles Using Total Internal Reflection-Based Leakage Radiation Microscopy. Nanomaterials, 2020, 10, 615.	4.1	2
7	Detecting a single nanoparticle by imaging the localized enhancement and interference of surface plasmon polaritons: erratum. Optics Letters, 2020, 45, 917.	3.3	1
8	Detecting the morphology of single graphene sheets by dual channel sampling plasmonic imaging. Optics Express, 2020, 28, 4686.	3.4	3
9	Manipulating the surface plasmon propagation by single hollow nanoparticle. , 2020, , .		0
10	Detecting a single nanoparticle by imaging the localized enhancement and interference of surface plasmon polaritons. Optics Letters, 2019, 44, 5707.	3.3	14
11	Imaging to single virus by using surface plasmon polariton scattering. Proceedings of SPIE, 2017, , .	0.8	6
12	Ultrafast carrier dynamics and optical properties of nanoporous silicon at terahertz frequencies. Optical Materials Express, 2014, 4, 300.	3.0	15
13	Effect of inhomogeneity and plasmons on terahertz radiation from GaAs (100) surface coated with rough Au film. Applied Surface Science, 2013, 285, 853-857.	6.1	21
14	Alkanethiol-functionalized terahertz metamaterial as label-free, highly-sensitive and specificbiosensor. Biosensors and Bioelectronics, 2013, 42, 626-631.	10.1	128
15	Terahertz emission from semi-insulating GaAs with octadecanthiol-passivated surface. Applied Surface Science, 2013, 279, 92-96.	6.1	23
16	Role of mode coupling on transmission properties of subwavelength composite hole-patch structures. Applied Physics Letters, 2010, 96, 251102.	3.3	16
17	Large dynamic resonance transition between surface plasmon and localized surface plasmon modes. Optics Express, 2010, 18, 12482.	3.4	19
18	Transmission field enhancement of terahertz pulses in plasmonic, rectangular coaxial geometries. Optics Letters, 2010, 35, 904.	3.3	14

#	ARTICLE	IF	CITATIONS
19	Terahertz localized plasmonic properties of subwavelength ring and coaxial geometries. Applied Physics Letters, 2009, 94, 181106.	3.3	20
20	Surface plasmon enhanced terahertz spectroscopic distinguishing between isotopes. Chemical Physics Letters, 2009, 475, 132-134.	2.6	23
21	Magnetic and magnetothermal tunabilities of subwavelength-hole arrays in a semiconductor sheet. Optics Letters, 2009, 34, 1465.	3.3	42
22	Broadband resonant terahertz transmission in a composite metal-dielectric structure. Optics Express, 2009, 17, 16527.	3.4	71
23	A close-ring pair terahertz metamaterial resonating at normal incidence. Optics Express, 2009, 17, 20307.	3.4	65
24	Terahertz Dielectric Properties of MgO Nanocrystals. Journal of Physical Chemistry C, 2008, 112, 17512-17516.	3.1	41
25	Resonant terahertz reflection of periodic arrays of subwavelength metallic rectangles. Applied Physics Letters, 2008, 92, 121103.	3.3	36
26	The Role of Non-resonant Effect in Terahertz Transmission through Subwavelength Holes. Progress in Electromagnetics Research Symposium: [proceedings] Progress in Electromagnetics Research Symposium, 2008, 4, 481-484.	0.4	1
27	The Localized Enhancement of Surface Plasmon Standing Waves Interacting with Single Nanoparticles. Plasmonics, 0, , 1.	3.4	1