

Lanju Liang

List of Publications by Year in descending order

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32
papers

1,294
citations

516710

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docs citations

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times ranked

1066
citing authors

#	ARTICLE	IF	CITATIONS
1	The terahertz electromagnetically induced transparency-like metamaterials for sensitive biosensors in the detection of cancer cells. <i>Biosensors and Bioelectronics</i> , 2019, 126, 485-492.	10.1	235
2	Anomalous Terahertz Reflection and Scattering by Flexible and Conformal Coding Metamaterials. <i>Advanced Optical Materials</i> , 2015, 3, 1374-1380.	7.3	175
3	Amplitude modulation of anomalously reflected terahertz beams using all-optical active Pancharatnamâ€Berry coding metasurfaces. <i>Nanoscale</i> , 2019, 11, 5746-5753.	5.6	108
4	Superconducting terahertz metamaterials mimicking electromagnetically induced transparency. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	97
5	Label-free measurements on cell apoptosis using a terahertz metamaterial-based biosensor. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	85
6	Sensitive detection of cancer cell apoptosis based on the non-bianisotropic metamaterials biosensors in terahertz frequency. <i>Optical Materials Express</i> , 2018, 8, 659.	3.0	61
7	Electromagnetically induced transparency-like metamaterials for detection of lung cancer cells. <i>Optics Express</i> , 2019, 27, 19520.	3.4	61
8	The novel hybrid metal-graphene metasurfaces for broadband focusing and beam-steering in farfield at the terahertz frequencies. <i>Carbon</i> , 2018, 132, 529-538.	10.3	58
9	Broadband diffuse terahertz wave scattering by flexible metasurface with randomized phase distribution. <i>Scientific Reports</i> , 2016, 6, 26875.	3.3	57
10	The Antibody-Free Recognition of Cancer Cells Using Plasmonic Biosensor Platforms with the Anisotropic Resonant Metasurfaces. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 11388-11396.	8.0	42
11	A flexible wideband bandpass terahertz filter using multi-layer metamaterials. <i>Applied Physics B: Lasers and Optics</i> , 2013, 113, 285-290.	2.2	36
12	A multiple mode integrated biosensor based on higher order Fano metamaterials. <i>Nanoscale</i> , 2020, 12, 1719-1727.	5.6	36
13	Ultrasensitive, light-induced reversible multidimensional biosensing using THz metasurfaces hybridized with patterned graphene and perovskite. <i>Nanophotonics</i> , 2022, 11, 1219-1230.	6.0	32
14	Frequency-dependent ultrasensitive terahertz dynamic modulation at the Dirac point on graphene-based metal and all-dielectric metamaterials. <i>Carbon</i> , 2021, 184, 400-408.	10.3	26
15	Electrically tunable terahertz metamaterials with embedded large-area transparent thin-film transistor arrays. <i>Scientific Reports</i> , 2016, 6, 23486.	3.3	21
16	Grapheneâ€polyimide-integrated metasurface for ultrasensitive modulation of higher-order terahertz fano resonances at the Dirac point. <i>Applied Surface Science</i> , 2021, 562, 150182.	6.1	21
17	Sensitive detection of the concentrations for normal epithelial cells based on Fano resonance metamaterial biosensors in terahertz range. <i>Applied Optics</i> , 2019, 58, 6268.	1.8	16
18	A Terahertz Controlledâ€NOT Gate Based on Asymmetric Rotation of Polarization in Chiral Metamaterials. <i>Advanced Optical Materials</i> , 2017, 5, 1700108.	7.3	15

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19	High-sensitivity detection of chlorothalonil via terahertz metasensor. <i>Materials Research Express</i> , 2020, 7, 095801.	1.6	15
20	Ultra-sensitive Dirac-point-based biosensing on terahertz metasurfaces comprising patterned graphene and perovskites. <i>Photonics Research</i> , 2022, 10, 280.	7.0	13
21	Dual-Stimulus Control for Ultra-Wideband and Multidimensional Modulation in Terahertz Metasurfaces Comprising Graphene and Metal Halide Perovskites. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 2155-2165.	8.0	13
22	Metamaterials: Anomalous Terahertz Reflection and Scattering by Flexible and Conformal Coding Metamaterials (Advanced Optical Materials 10/2015). <i>Advanced Optical Materials</i> , 2015, 3, 1373-1373.	7.3	11
23	Time-Frequency Double Domain Resolving by Electromagnetically Induced Transparency Metasensors for Rapid and Label-Free Detection of Cancer Biomarker Midkine. <i>Optics and Lasers in Engineering</i> , 2021, 142, 106566.	3.8	11
24	Three-stimulus control ultrasensitive Dirac point modulator using an electromagnetically induced transparency-like terahertz metasurface with graphene. <i>Optics Express</i> , 2022, 30, 24703.	3.4	11
25	Ultra-Wideband Low-Loss Control of Terahertz Scatterings via an All-Dielectric Coding Metasurface. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1122-1129.	4.3	9
26	Microfluidic integrated metamaterials for active terahertz photonics. <i>Photonics Research</i> , 2019, 7, 1400.	7.0	9
27	Tailoring electromagnetically induced transparency effect of terahertz metamaterials on ultrathin substrate. <i>Science China Information Sciences</i> , 2016, 59, 1.	4.3	7
28	Dynamically tunable terahertz passband filter based on metamaterials integrated with a graphene middle layer. <i>Chinese Physics B</i> , 2018, 27, 098101.	1.4	5
29	Graphene-bridged topological network metamaterials with perfect modulation applied to dynamic cloaking and meta-sensing. <i>Optics Express</i> , 2020, 28, 22064.	3.4	4
30	Effect of loss and coupling on the resonance of metamaterial: An equivalent circuit approach. <i>Science China Information Sciences</i> , 2014, 57, 1-8.	4.3	3
31	Electrically tunable terahertz metamaterials with embedded large-area transparent thin-film transistor arrays. , 0, .		1
32	Chiral Metamaterials: A Terahertz Controlled NOT Gate Based on Asymmetric Rotation of Polarization in Chiral Metamaterials (Advanced Optical Materials 18/2017). <i>Advanced Optical Materials</i> , 2017, 5, .	7.3	0