

Lanju Liang

List of Publications by Year in descending order

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32
papers

1,294
citations

516710

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30
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docs citations

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times ranked

1066
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-sensitive Dirac-point-based biosensing on terahertz metasurfaces comprising patterned graphene and perovskites. <i>Photonics Research</i> , 2022, 10, 280.	7.0	13
2	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
3	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
4	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
5	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
6	Graphene-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
7	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
8	A multiple mode integrated biosensor based on higher order Fano metamaterials. <i>Nanoscale</i> , 2020, 12, 1719-1727.	5.6	36
9	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
10	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
11	High-sensitivity detection of chlorothalonil via terahertz metasensor. <i>Materials Research Express</i> , 2020, 7, 095801.	1.6	15
12	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
13	Amplitude modulation of anomalously reflected terahertz beams using all-optical active Pancharatnam-Berry coding metasurfaces. <i>Nanoscale</i> , 2019, 11, 5746-5753.	5.6	108
14	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
15	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
16	Electromagnetically induced transparency-like metamaterials for detection of lung cancer cells. <i>Optics Express</i> , 2019, 27, 19520.	3.4	61
17	Microfluidic integrated metamaterials for active terahertz photonics. <i>Photonics Research</i> , 2019, 7, 1400.	7.0	9
18	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

#	ARTICLE	IF	CITATIONS
19	Dynamically tunable terahertz passband filter based on metamaterials integrated with a graphene middle layer. Chinese Physics B, 2018, 27, 098101.	1.4	5
20	Sensitive detection of cancer cell apoptosis based on the non-bianisotropic metamaterials biosensors in terahertz frequency. Optical Materials Express, 2018, 8, 659.	3.0	61
21	Chiral Metamaterials: A Terahertz Controlledâ€NOT Gate Based on Asymmetric Rotation of Polarization in Chiral Metamaterials (Advanced Optical Materials 18/2017). Advanced Optical Materials, 2017, 5, .	7.3	0
22	A Terahertz Controlledâ€NOT Gate Based on Asymmetric Rotation of Polarization in Chiral Metamaterials. Advanced Optical Materials, 2017, 5, 1700108.	7.3	15
23	Electrically tunable terahertz metamaterials with embedded large-area transparent thin-film transistor arrays. Scientific Reports, 2016, 6, 23486.	3.3	21
24	Label-free measurements on cell apoptosis using a terahertz metamaterial-based biosensor. Applied Physics Letters, 2016, 108, .	3.3	85
25	Broadband diffuse terahertz wave scattering by flexible metasurface with randomized phase distribution. Scientific Reports, 2016, 6, 26875.	3.3	57
26	Tailoring electromagnetically induced transparency effect of terahertz metamaterials on ultrathin substrate. Science China Information Sciences, 2016, 59, 1.	4.3	7
27	Metamaterials: Anomalous Terahertz Reflection and Scattering by Flexible and Conformal Coding Metamaterials (Advanced Optical Materials 10/2015). Advanced Optical Materials, 2015, 3, 1373-1373.	7.3	11
28	Anomalous Terahertz Reflection and Scattering by Flexible and Conformal Coding Metamaterials. Advanced Optical Materials, 2015, 3, 1374-1380.	7.3	175
29	Effect of loss and coupling on the resonance of metamaterial: An equivalent circuit approach. Science China Information Sciences, 2014, 57, 1-8.	4.3	3
30	A flexible wideband bandpass terahertz filter using multi-layer metamaterials. Applied Physics B: Lasers and Optics, 2013, 113, 285-290.	2.2	36
31	Superconducting terahertz metamaterials mimicking electromagnetically induced transparency. Applied Physics Letters, 2011, 99, .	3.3	97
32	Electrically tunable terahertz metamaterials with embedded large-area transparent thin-film transistor arrays. , 0, .		1