

Fangrong Hu

List of Publications by Year in descending order

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16
papers

292
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1163117

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all docs

16
docs citations

16
times ranked

258
citing authors

#	ARTICLE	IF	CITATIONS
1	Four resonators based high sensitive terahertz metamaterial biosensor used for measuring concentration of protein. Journal Physics D: Applied Physics, 2019, 52, 095105.	2.8	72
2	Grapheneâ€“metamaterial hybridization for enhanced terahertz response. Carbon, 2014, 78, 102-112.	10.3	47
3	Switchable broadband and wide-angular terahertz asymmetric transmission based on a hybrid metal-VO ₂ metasurface. Optics Express, 2020, 28, 30675.	3.4	41
4	Broadband switchable terahertz half-/quarter-wave plate based on metal-VO ₂ metamaterials. Optics Express, 2020, 28, 30861.	3.4	36
5	Multi-band tunable terahertz bandpass filter based on vanadium dioxide hybrid metamaterial. Materials Research Express, 2019, 6, 055809.	1.6	24
6	Terahertz bandstop-to-bandpass converter based on VO ₂ hybrid metasurface. Journal Physics D: Applied Physics, 2021, 54, 435105.	2.8	15
7	Broadband switchable terahertz half-/quarter-wave plate based on VO ₂ -metal hybrid metasurface with over/underdamped transition. Journal Physics D: Applied Physics, 2021, 54, 505111.	2.8	15
8	Ruler equation for precisely tailoring the resonance frequency of terahertz U-shaped metamaterials. Journal of Optics (United Kingdom), 2019, 21, 025101.	2.2	10
9	Photo-induced high modulation depth terahertz modulator based on VO ₂ â€“Siâ€“VO ₂ hybrid structure. Journal Physics D: Applied Physics, 2019, 52, 175103.	2.8	8
10	Tunable terahertz band-pass filter based on MEMS reconfigurable metamaterials. Journal Physics D: Applied Physics, 2020, 53, 065107.	2.8	8
11	Two-Bit Terahertz Encoder Realized by Graphene-Based Metamaterials. Electronics (Switzerland), 2019, 8, 1528.	3.1	7
12	Analog of electromagnetically induced transparency at terahertz frequency based on a bilayer-double-H-metamaterial. Journal Physics D: Applied Physics, 2018, 51, 025103.	2.8	3
13	Mechanically tunable terahertz multi-band bandstop filter based on near field coupling of metamaterials. Materials Research Express, 2019, 6, 055810.	1.6	2
14	Narrowband terahertz metasurface circular polarization beam splitter with large spectral tunability based on lattice-induced chirality. Journal Physics D: Applied Physics, 2022, 55, 105109.	2.8	2
15	Terahertz dynamic Ï€-phase modulation with high transmittance using graphene-metal metamaterials. Journal of Optics (United Kingdom), 2022, 24, 044007.	2.2	2
16	Terahertz dynamic Ï€-phase modulation with high transmittance using graphene-metal metamaterials. Journal of Optics (United Kingdom), 0, , .	2.2	0