

Wei Bing Lu

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

533
citations

840585

11
h-index

887953

17
g-index

25
all docs

25
docs citations

25
times ranked

591
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible transformation plasmonics using graphene. Optics Express, 2013, 21, 10475.	1.7	117
2	Localization of electromagnetic energy using a left-handed-medium slab. Physical Review B, 2005, 71, .	1.1	60
3	Efficient manipulation of surface plasmon polariton waves in graphene. Applied Physics Letters, 2012, 100, .	1.5	56
4	Flexible and optically transparent microwave absorber with wide bandwidth based on graphene. Carbon, 2019, 152, 70-76.	5.4	55
5	Beam-scanning planar lens based on graphene. Applied Physics Letters, 2012, 100, .	1.5	54
6	Fast algorithms for large-scale periodic structures using subentire domain basis functions. IEEE Transactions on Antennas and Propagation, 2005, 53, 1154-1162.	3.1	47
7	Graphene plasmon guided along a nanoribbon coupled with a nanoring. Journal Physics D: Applied Physics, 2014, 47, 135106.	1.3	37
8	A planar electromagnetic "black hole" based on graphene. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 1468-1471.	0.9	22
9	Plasmonic metamaterial based on the complementary split ring resonators using graphene. Journal Physics D: Applied Physics, 2014, 47, 325102.	1.3	15
10	Lossy and retardation effects on the localization of EM waves using a left-handed medium slab. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 336, 235-244.	0.9	13
11	Polarization-independent transparency window induced by complementary graphene metasurfaces. Journal Physics D: Applied Physics, 2017, 50, 015106.	1.3	12
12	Left handed transmission properties of planar metamaterials based on complementary double-ring resonators. Journal of Applied Physics, 2010, 108, 033717.	1.1	9
13	Terahertz Wavefront Control Based on Graphene Manipulated Fabry-Pérot Cavities. IEEE Photonics Technology Letters, 2016, , 1-1.	1.3	9
14	Digital Metamaterials Using Graphene. Plasmonics, 2015, 10, 1141-1145.	1.8	7
15	SUB-ENTIRE-DOMAIN BASIS FUNCTION METHOD FOR IRRECTANGULAR PERIODIC STRUCTURES. Progress in Electromagnetics Research B, 2008, 5, 91-105.	0.7	5
16	Dual-beam scanning using graphene-based reflectarray. , 2015, , .		5
17	Edge mode graphene plasmons based all-optical logic gates. Photonics and Nanostructures - Fundamentals and Applications, 2019, 33, 66-69.	1.0	5
18	A Dynamically Frequency-Tunable Perfect Microwave Absorber Using Graphene. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
19	A Broadband Tunable Coaxial Attenuator Based on Graphene. IEEE Access, 2019, 7, 127593-127599.	2.6	1
20	Electromagnetic heating effect of graphene absorber. , 2019, , .		1
21	Transparent and Flexible Absorber with Dynamically Frequency Modulation Using Graphene. , 2021, , .		1
22	Excitation of topological insulator plasmons by two-dimensional periodic structure. , 2014, , .		0
23	Graphene based Anomalous Reflection at Microwave frequencies. , 2019, , .		0