

RubÃ©n OrtuÃ±o

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

432
citations

840776

11
h-index

839539

18
g-index

25
all docs

25
docs citations

25
times ranked

696
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of surface plasmon polaritons on optical transmission through double layer metallic hole arrays. <i>Physical Review B</i> , 2009, 79, .	3.2	138
2	Highly-sensitive chemical detection in the infrared regime using plasmonic gold nanocrosses. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	51
3	Magnetic Hot Spots in Closely Spaced Thick Gold Nanorings. <i>Nano Letters</i> , 2013, 13, 2654-2661.	9.1	48
4	Compact Dual-Band Terahertz Quarter-Wave Plate Metasurface. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 1679-1682.	2.5	24
5	Low-loss single-layer metamaterial with negative index of refraction at visible wavelengths. <i>Optics Express</i> , 2007, 15, 9320.	3.4	22
6	Terahertz Metamaterials on Flexible Polypropylene Substrate. <i>Plasmonics</i> , 2014, 9, 1143-1147.	3.4	22
7	Demonstration of near infrared gas sensing using gold nanodisks on functionalized silicon. <i>Optics Express</i> , 2011, 19, 7664.	3.4	17
8	Metamaterials for optical security. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	15
9	Fano resonances and electromagnetically induced transparency in silicon waveguides loaded with plasmonic nanoresonators. <i>Journal of Optics (United Kingdom)</i> , 2017, 19, 025003.	2.2	15
10	Modeling high-order plasmon resonances of a U-shaped nanowire used to build a negative-index metamaterial. <i>Physical Review B</i> , 2009, 79, .	3.2	13
11	Multiple extraordinary optical transmission peaks from evanescent coupling in perforated metal plates surrounded by dielectrics. <i>Optics Express</i> , 2010, 18, 7893.	3.4	12
12	Mid-infrared plasmonic inductors: Enhancing inductance with meandering lines. <i>Scientific Reports</i> , 2015, 4, 3592.	3.3	12
13	Midinfrared filters based on extraordinary optical transmission through subwavelength structured gold films. <i>Journal of Applied Physics</i> , 2009, 106, .	2.5	10
14	Full three-dimensional isotropic transformation media. <i>New Journal of Physics</i> , 2014, 16, 023030.	2.9	10
15	Strong magnetic resonance of coupled aluminum nanodisks on top of a silicon waveguide. , 2012, , .		8
16	Enlarging the negative-index bandwidth of optical metamaterials by hybridized plasmon resonances. <i>Optics Letters</i> , 2010, 35, 4205.	3.3	5
17	High order standing-wave plasmon resonances in silver u-shaped nanowires. <i>Journal of Applied Physics</i> , 2012, 112, 103104.	2.5	4
18	Zero-bandwidth mode in a split-ring-resonator-loaded one-dimensional photonic crystal. <i>Physical Review B</i> , 2010, 81, .	3.2	3

#	ARTICLE	IF	CITATIONS
19	Exciting Surface Plasmons with Transformation Media. <i>Plasmonics</i> , 2012, 7, 701-707.	3.4	2
20	Mid-infrared Plasmonic Inductors. , 2014, , .		1
21	Negative index metamaterial through high-order plasmon resonances on u-shaped nanowires. , 2009, , .		0
22	Double-negative polarization-independent fishnet metamaterial operating in the visible spectrum. , 2009, , .		0
23	Light compression without reflections. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
24	Enlarged negative effective index bandwidth from fishnet metamaterials. , 2010, , .		0
25	Strong magnetism by closely spaced gold nanohoops. , 2012, , .		0