Alessandro Salandrino

List of Publications by Year
in descending order

51 papers	3,997 citations	361413 20 h-index	477307 29 g-index
52 all docs	52 docs citations	52 times ranked	3876 citing authors

#	Article	IF	Citations
1	Tunable hyperbolic photonic devices based on periodic structures of graphene and HfO2. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 2616.	2.1	3
2	Spatially modulated metamaterial array for transmit (SMMArT) and slow-leaky-wave antennas. , 2016, , .		1
3	Scattering detection of a solenoidal Poynting vector field. Optics Letters, 2016, 41, 3615.	3.3	11
4	Spatially modulated metamaterial array for transmit (SMMArT). , 2016, , .		1
5	Nonlinear infrared plasmonic waveguide arrays. Nano Research, 2016, 9, 224-229.	10.4	5
6	Bimodal Phase-Matching in Nonlinear Plasmonics. , 2016, , .		0
7	Macroscale Transformation Optics Enabled by Photoelectrochemical Etching. Advanced Materials, 2015, 27, 6131-6136.	21.0	10
8	Predicting nonlinear properties of metamaterials from the linear response. Nature Materials, 2015, 14, 379-383.	27.5	243
9	Near-infrared electro-optic modulator based on plasmonic graphene. Optics Letters, 2015, 40, 1516.	3.3	35
10	Adiabatic far-field sub-diffraction imaging. Nature Communications, 2015, 6, 7942.	12.8	29
11	Coherent effects in nonlinear metamaterial-based devices. , 2015, , .		0
12	Nonlinear Optical Propagation in Zero Index Materials. , 2015, , .		0
13	Nonlinear optics in zero index materials. , 2014, , .		0
14	Sub-diffraction Imaging via Surface Plasmon Decompression. , 2014, , .		0
15	Electrodynamical Light Trapping Using Whispering-Gallery Resonances in Hyperbolic Cavities. Physical Review X, 2014, 4, .	8.9	19
16	Plasmonic Resonant Solitons in Metallic Nanosuspensions. Nano Letters, 2014, 14, 2498-2504.	9.1	67
17	Phase Mismatchâ€“Free Nonlinear Propagation in Optical Zero-Index Materials. Science, 2013, 342, 1223-1226.	12.6	255
18	Mode Matched Harmonic Generation in Plasmonic Nanostructures. , 2013, , .		0

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19	Anomalous optical forces on a Mie-particle in a transverse Poynting vector flow. , 2012, , .		0
20	Generalized Mie theory of optical forces. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 855.	2.1	46
21	Generation of linear and nonlinear nonparaxial accelerating beams. Optics Letters, 2012, 37, 2820.	3.3	136
22	Demonstration of nonparaxial beams self-bending along circular trajectories. , 2012, , .		0
23	Superresolution via enhanced evanescent tunneling. Optics Letters, 2011, 36, 487.	3.3	3
24	Reverse optical forces in negative index dielectric waveguide arrays. Optics Letters, 2011, 36, 3103.	3.3	36
25	Super-resolution via Enhanced Evanescent Tunneling. , 2011, , .		0
26	Optical Tractor Beams in Scattering-induced Left-Handed Fields. , 2011, , .		0
27	Airy plasmons defeat diffraction on the surface. Physics Magazine, 2011, 4, .	0.1	4
28	Negative index Clarricoats-Waldron waveguides for terahertz and far infrared applications. Optics Express, 2010, 18, 3626.	3.4	15
29	Airy plasmon: a nondiffracting surface wave. Optics Letters, 2010, 35, 2082.	3.3	265
30	Airy Plasmon: A Non-Diffracting Surface Wave. , 2010, , .		0
31	Anomalous Optical Force Fields around High-Contrast Subwavelength Nanowaveguides. , 2010, , .		1
32	Optical spectrometer at the nanoscale using optical Yagi-Uda nanoantennas. Physical Review B, 2009, 79, .	3.2	46
33	Analysis of a three-core adiabatic directional coupler. Optics Communications, 2009, 282, 4524-4526.	2.1	25
34	Sub-wavelength resonators: on the use of metafilms to overcome the Î»/2 size limit. IET Microwaves, Antennas and Propagation, 2008, 2, 120-129.	1.4	47
35	Fluorescence dynamics in plasmonic core-shell nanoparticles. , 2008, , .		0
36	Parallel, series, and intermediate interconnections of optical nanocircuit elements 1 Analytical solution. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 3007.	2.1	28

#	Article	IF	Citations
37	Parallel, series, and intermediate interconnections of optical nanocircuit elements 2 Nanocircuit and physical interpretation. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 3014.	2.1	48
38	Coupling of optical lumped nanocircuit elements and effects of substrates. Optics Express, 2007, 15, 13865.	3.4	35
39	Shaping light beams in the nanometer scale: A Yagi-Uda nanoantenna in the optical domain. Physical Review B, 2007, 76, .	3.2	189
40	Epsilon-near-zero metamaterials and electromagnetic sources: Tailoring the radiation phase pattern. Physical Review B, 2007, 75, .	3.2	876
41	Ideas for Optical Nanoantenna Design: From Microwave to Visible Frequencies. , 2007, , .		3
42	Far-field subdiffraction optical microscopy using metamaterial crystals: Theory and simulations. Physical Review B, 2006, 74, .	3.2	626
43	Negative effective permeability and left-handed materials at optical frequencies. Optics Express, 2006, 14, 1557.	3.4	301
44	Optical Yagi-Uda and Reflector Nanoantennas and Their Potential Applications as Nano-Scale Spectrum Analyzers in Molecular Spectroscopy. , 2006, , .		3
45	From Plasmonic Nanocircuit Elements to Volumetric Photonic Negative-Refraction Metamaterials. , 2006, , .		1
46	Binary Encoding and Nanotagging Using Plasmonic Core-Shell Nanoparticles. , 2006, , .		1
47	Source Interaction with Epsilon-Near-Zero (ENZ) Materials. , 2006, , .		0
48	Circuit Elements at Optical Frequencies: Nanoinductors, Nanocapacitors, and Nanoresistors. Physical Review Letters, 2005, 95, 095504.	7.8	565
49	Pattern Synthesis in Optical Nano-Antennas Using Collections of Metallic Nanoparticles. , 2005, , .		4
50	Nanocircuit elements, nano-transmission lines and nano-antennas using plasmonic materials in the optical domain. , 0, , .		7
51	Radiation Characteristics and Beam Forming of Multi-Particle Nanoantennas at Optical Frequencies. , 0, , .		1