

Antony P Murphy

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,105
citations

471509

17
h-index

580821

25
g-index

29
all docs

29
docs citations

29
times ranked

1650
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical Nonlocalities and Additional Waves in Epsilon-Near-Zero Metamaterials. <i>Physical Review Letters</i> , 2009, 102, 127405.	7.8	249
2	High-Performance Biosensing Using Arrays of Plasmonic Nanotubes. <i>ACS Nano</i> , 2010, 4, 2210-2216.	14.6	140
3	Manipulating polarization of light with ultrathin epsilon-near-zero metamaterials. <i>Optics Express</i> , 2013, 21, 14907.	3.4	119
4	Wavelength Dependence of Raman Enhancement from Gold Nanorod Arrays: Quantitative Experiment and Modeling of a Hot Spot Dominated System. <i>Journal of Physical Chemistry C</i> , 2010, 114, 19913-19919.	3.1	75
5	Nonlinearly coupled localized plasmon resonances: Resonant second-harmonic generation. <i>Physical Review B</i> , 2012, 86, .	3.2	70
6	Ultrasensitive Non-Resonant Detection of Ultrasound with Plasmonic Metamaterials. <i>Advanced Materials</i> , 2013, 25, 2351-2356.	21.0	54
7	Fabrication and optical properties of gold nanotube arrays. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 362203.	1.8	51
8	Spontaneous Emission inside a Hyperbolic Metamaterial Waveguide. <i>ACS Photonics</i> , 2017, 4, 2513-2521.	6.6	43
9	Fabrication and optical properties of large-scale arrays of gold nanocavities based on rod-in-a-tube coaxials. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	33
10	Plasmon enhanced fluorescence studies from aligned gold nanorod arrays modified with SiO ₂ spacer layers. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	32
11	Hyperbolic Polaritonic Crystals Based on Nanostructured Nanorod Metamaterials. <i>Advanced Materials</i> , 2015, 27, 5974-5980.	21.0	30
12	The controlled fabrication and geometry tunable optics of gold nanotube arrays. <i>Nanotechnology</i> , 2011, 22, 045705.	2.6	29
13	Application of AAO Matrix in Aligned Gold Nanorod Array Substrates for Surface-Enhanced Fluorescence and Raman Scattering. <i>Plasmonics</i> , 2014, 9, 1371-1376.	3.4	29
14	Surface-Enhanced Raman Scattering from Metallic Nanostructures: Bridging the Gap between the Near-Field and Far-Field Responses. <i>Physical Review X</i> , 2013, 3, .	8.9	28
15	Optical and magneto-optical properties of gold core cobalt shell magnetoplasmonic nanowire arrays. <i>Nanoscale</i> , 2014, 6, 12905-12911.	5.6	25
16	Strong coupling in molecular exciton-plasmon Au nanorod array systems. <i>Applied Physics Letters</i> , 2016, 108, 053102.	3.3	23
17	Zero-Reflectance Metafilms for Optimal Plasmonic Sensing. <i>Advanced Optical Materials</i> , 2016, 4, 328-335.	7.3	20
18	Tuneable magneto-optical metamaterials based on photonic resonances in nickel nanorod arrays. <i>Materials Research Express</i> , 2014, 1, 015801.	1.6	16

#	ARTICLE	IF	CITATIONS
19	Plasmonic Sensing Using Nanodome Arrays Fabricated by Soft Nanoimprint Lithography. Journal of Physical Chemistry C, 2011, 115, 15234-15239.	3.1	15
20	In Situ Ellipsometric Monitoring of Gold Nanorod Metamaterials Growth. ACS Applied Materials & Interfaces, 2017, 9, 17379-17386.	8.0	8
21	Brillouin light scattering by spin waves in magnetic metamaterials based on Co nanorods. Optical Materials Express, 2012, 2, 1260.	3.0	5
22	Directed self-assembly of nanorod networks: bringing the top down to the bottom up. Nanotechnology, 2012, 23, 505302.	2.6	4
23	Effect of matrix on Raman scattering and luminescence in 2D gold nanorod arrays. Proceedings of SPIE, 2014, , .	0.8	2
24	Graphene oxide modification of plexciton states in the strong coupling limit. Materials Research Express, 2017, 4, 035026.	1.6	2
25	Brillouin scattering of light by spin waves in ferromagnetic nanorods. Journal of Magnetism and Magnetic Materials, 2012, 324, 3406-3409.	2.3	1
26	Control over plasmon enhanced Raman and fluorescence from quasi free-standing Au nanorod arrays. , 2014, , .		1
27	Investigating optical properties of gold nanorod arrays. , 2019, , .		0
28	Investigating electromagnetic field enhancements from gold nanostructured arrays for plasmon enhanced fluorescence. , 2019, , .		0