Alejandro Reyes-Coronado

List of Publications by Year
in descending order

30 papers	619 citations	687363 13 h-index	580821 25 g-index
32 all docs	32 docs citations	32 times ranked	805 citing authors

#	Article	IF	Citations
1	Multipolar Plasmon Resonances in Individual Ag Nanorice. ACS Nano, 2010, 4, 2649-2654.	14.6	146
2	Plasmonic Nanobilliards: Controlling Nanoparticle Movement Using Forces Induced by Swift Electrons. Nano Letters, 2011, 11, 3388-3393.	9.1	85
3	Nonlocal nature of the electrodynamic response of colloidal systems. Physical Review B, 2007, 75, .	3.2	48
4	Plasmonic excitation and manipulation with an electron beam. MRS Bulletin, 2012, 37, 752-760.	3.5	42
5	Self-organization approach for THz polaritonic metamaterials. Optics Express, 2012, 20, 14663.	3.4	42
6	Coherent reflection of light from a turbid suspension of particles in an internal-reflection configuration: Theory versus experiment. Optics Express, 2005, 13, 6723.	3.4	36
7	Electromagnetic forces on plasmonic nanoparticles induced by fast electron beams. Physical Review B, 2010, 82, .	3.2	36
8	Nanoparticle movement: Plasmonic forces and physical constraints. Ultramicroscopy, 2012, 123, 50-58.	1.9	36
9	Measurement of the effective refractive index of a turbid colloidal suspension using light refraction. New Journal of Physics, 2005, 7, 89-89.	2.9	28
10	Spin-1/2 particle on a cylinder with radial magnetic field. European Journal of Physics, 2004, 25, 489-502.	0.6	16
11	Analytical modeling of optical reflectivity of random plasmonic nano-monolayers. Optics Express, 2018, 26, 12660.	3.4	15
12	Surface Enhanced Raman Scattering of Amino Acids Assisted by Gold Nanoparticles and Gd³⁺ Ions. Journal of Physical Chemistry A, 2015, 119, 4127-4135.	2.5	14
13	Attosecond and femtosecond forces exerted on gold nanoparticles induced by swift electrons. Physical Review B, 2016, 93, .	3.2	14
14	Analysis of electromagnetic forces and causality in electron microscopy. Ultramicroscopy, 2018, 192, 80-84.	1.9	13
15	Large angle-independent structural colors based on all-dielectric random metasurfaces. Optics Communications, 2020, 475, 126289.	2.1	7
16	Electromagnetic fields produced by a swift electron: A source of white light. Wave Motion, 2019, 86, 137-149.	2.0	6
17	Enhancement of Light Absorption by Leaky Modes in a Random Plasmonic Metasurface. Journal of Physical Chemistry C, 2022, 126, 3163-3170.	3.1	5
18	Plasma-phonon polaritons in superlattices of semimetal bismuth and polaritonic material. Optical Materials Express, 2015, 5, 2820.	3.0	4

#	Article	IF	Citations
19	Electronic tweezers for magnesium oxide nanoparticles. Materials Today: Proceedings, 2019, 13, 341-348.	1.8	4
20	Magneto-plasmonic biocompatible nanorice. Journal of Nanoparticle Research, 2021, 23, 1.	1.9	4
21	On the Measurement of the Effective Refractive Index of Biological Colloids. Key Engineering Materials, 0, 381-382, 345-348.	0.4	2
22	Electromagnetic response of anisotropic eutectic metamaterials in THz range. , 2010, , .		2
23	Sensitivity of optical reflectance to the deposition of plasmonic nanoparticles and limits of detection. Journal of Nanophotonics, 2016, 10, 026019.	1.0	2
24	Internal reflectance from a disordered monolayer of small gold nanoparticles on a glass substrate: Theory vs. experiment. Materials Today: Proceedings, 2019, 13, 404-412.	1.8	2
25	Angular dynamics of small nanoparticles induced by non-vortex electron beams. Ultramicroscopy, 2021, 225, 113274.	1.9	2
26	Effects of a noncausal electromagnetic response on the linear momentum transfer from a swift electron to a metallic nanoparticle. Physical Review B, 2021, 104, .	3.2	2
27	Optical reflectivity as an inspection tool for metallic nanoparticles deposited randomly on a flat substrate. , 2015, , .		1
28	Broadband antireflective random metasurfaces. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 1974.	2.1	1
29	Brewster effect in random and periodic high-refractive-index metasurfaces. Optics Communications, 2022, 521, 128597.	2.1	1
30	Insights into the Problem of Reflection from Colloidal Systems: An Effective Medium Approach. , 2007, , .		0