



Antonio I. Fernández-Domínguez

Profesor Contratado Doctor,
Universidad Autónoma de Madrid

Nanophotonics
Plasmonics
Nano-Optics
Metamaterials

GET MY OWN PROFILE

	All	Since 2014
Citations	6064	4544
h-index	35	31
i10-index	55	51

TITLE	CITED BY	YEAR
Plasmonic nanoantennas: fundamentals and their use in controlling the radiative properties of nanoemitters V Giannini, AI Fernández-Domínguez, SC Heck, SA Maier Chemical reviews 111 (6), 3888-3912	893	2011
Probing the ultimate limits of plasmonic enhancement C Ciraci, RT Hill, JJ Mock, Y Urzhumov, AI Fernández-Domínguez, ... Science 337 (6098), 1072-1074	746	2012
Highly confined guiding of terahertz surface plasmon polaritons on structured metal surfaces CR Williams, SR Andrews, SA Maier, AI Fernández-Domínguez, ... Nature Photonics 2 (3), 175	460	2008
Plasmonic light-harvesting devices over the whole visible spectrum A Aubry, DY Lei, AI Fernández-Domínguez, Y Sonnefraud, SA Maier, ... Nano letters 10 (7), 2574-2579	344	2010
Nanoplasmonics: classical down to the nanometer scale H Duan, AI Fernández-Domínguez, M Bosman, SA Maier, JKW Yang Nano letters 12 (3), 1683-1689	319	2012
High-resolution mapping of electron-beam-excited plasmon modes in lithographically defined gold nanostructures AL Koh, AI Fernández-Domínguez, DW McComb, SA Maier, JKW Yang Nano letters 11 (3), 1323-1330	236	2011
Collimation of sound assisted by acoustic surface waves J Christensen, AI Fernandez-Dominguez, F de Leon-Perez, ... Nature Physics 3 (12), 851	224	2007
Domino plasmons for subwavelength terahertz circuitry D Martin-Cano, ML Nesterov, AI Fernandez-Dominguez, FJ Garcia-Vidal, ... Optics Express 18 (2), 754-764	201	2009
Surface plasmons and nonlocality: a simple model Y Luo, AI Fernandez-Dominguez, A Wiener, SA Maier, JB Pendry Physical review letters 111 (9), 093901	185	2013
Transformation-optics description of nonlocal effects in plasmonic nanostructures AI Fernández-Domínguez, A Wiener, FJ García-Vidal, SA Maier, ... Physical review letters 108 (10), 106802	183	2012

TITLE	CITED BY	YEAR
Controlling light localization and light–matter interactions with nanoplasmonics V Giannini, AI Fernández-Domínguez, Y Sonnefraud, T Roschuk, ... small 6 (22), 2498-2507	166	2010
Nonlocal effects in the nanofocusing performance of plasmonic tips A Wiener, AI Fernández-Domínguez, AP Horsfield, JB Pendry, SA Maier Nano letters 12 (6), 3308-3314	143	2012
Revealing plasmonic gap modes in particle-on-film systems using dark-field spectroscopy DY Lei, AI Fernández-Domínguez, Y Sonnefraud, K Appavoo, ... Acs Nano 6 (2), 1380-1386	130	2012
Collection and concentration of light by touching spheres: a transformation optics approach AI Fernández-Domínguez, SA Maier, JB Pendry Physical Review Letters 105, 266807	101	2010
Spoof Plasmon Surfaces: A Novel Platform for THz Sensing B Ng, J Wu, SM Hanham, AI Fernández-Domínguez, N Klein, YF Liew, ... Advanced Optical Materials 1 (8), 537-537	97	2013
Guiding terahertz waves along subwavelength channels AI Fernández-Domínguez, E Moreno, L Martin-Moreno, FJ García-Vidal Physical Review B 79 (23), 233104	89	2009
Terahertz wedge plasmon polaritons AI Fernández-Domínguez, E Moreno, L Martin-Moreno, FJ García-Vidal Optics letters 34 (13), 2063-2065	86	2009
Plasmon-exciton-polariton lasing M Ramezani, A Halpin, AI Fernández-Domínguez, J Feist, SRK Rodriguez, ... Optica 4 (1), 31-37	82	2017
Engineering the phase front of light with phase-change material based planar lenses Y Chen, X Li, Y Sonnefraud, AI Fernández-Domínguez, X Luo, M Hong, ... Scientific reports 5, 8660	79	2015
Capturing photons with transformation optics JB Pendry, AI Fernández-Domínguez, Y Luo, R Zhao Nature Physics 9 (8), 518	76	2013