

# Victor Coello

## List of Publications by Year in descending order

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42  
papers

709  
citations

687363

13  
h-index

552781

26  
g-index

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42  
docs citations

42  
times ranked

832  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coupled localized surface plasmon resonances in periodic arrays of gold nanowires on ion-exchange waveguide technology. <i>Journal of Optics (United Kingdom)</i> , 2021, 23, 025801.	2.2	8
2	Large depth of focus plasmonic metalenses based on Fresnel biprism. <i>AIP Advances</i> , 2020, 10, 045025.	1.3	2
3	Engineering Nanoparticles with Pure High-Order Multipole Scattering. <i>ACS Photonics</i> , 2020, 7, 1067-1075.	6.6	23
4	Excitation of surface plasmon polaritons in a gold nanoslab on ion-exchanged waveguide technology. <i>Applied Optics</i> , 2020, 59, 572.	1.8	12
5	Efficient and Directional Excitation of Surface Plasmon Polaritons by Oblique Incidence on Metallic Ridges. <i>Plasmonics</i> , 2018, 13, 1935-1940.	3.4	6
6	On-Chip Spectropolarimetry by Fingerprinting with Random Surface Arrays of Nanoparticles. <i>ACS Photonics</i> , 2018, 5, 1703-1710.	6.6	13
7	3D thickness map reconstruction of dielectric thin films using scattering of surface plasmon polaritons. <i>Optics Letters</i> , 2018, 43, 691.	3.3	2
8	White Light Generation and Anisotropic Damage in Gold Films near Percolation Threshold. <i>ACS Photonics</i> , 2017, 4, 1207-1215.	6.6	28
9	Description and characterization of plasmonic Gaussian beams. <i>Journal of Optics (United Kingdom)</i> , 2017, 19, 085001.	2.2	3
10	Enhancement of two-photon photoluminescence and SERS for low-coverage gold films. <i>Optics Express</i> , 2016, 24, 16743.	3.4	14
11	Plasmonic channel waveguides in random arrays of metallic nanoparticles. <i>Optics Express</i> , 2016, 24, 17080.	3.4	12
12	Classical Plasmonics: Wave Propagation Control at Subwavelength Scale. <i>Nano</i> , 2015, 10, 1530005.	1.0	5
13	The influence of Ce doping on the structural and optoelectronic properties of RF-sputtered ZnO films. <i>Optical and Quantum Electronics</i> , 2015, 47, 2637-2648.	3.3	17
14	Investigation of the annealing effects on the structural and optoelectronic properties of RF-sputtered ZnO films studied by the Drude-Lorentz model. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 120, 1375-1382.	2.3	12
15	Collection mode near-field scanning microwave microscopy. <i>Optik</i> , 2014, 125, 2400-2404.	2.9	4
16	Biosensing enhancement using passive mixing structures for microarray-based sensors. <i>Biosensors and Bioelectronics</i> , 2014, 54, 506-514.	10.1	34
17	Influence of the probe-sample interaction angle on image formation in apertureless scanning near field optical microscope. <i>Modern Physics Letters B</i> , 2014, 28, 1450205.	1.9	0
18	Fuzzy logic scheme for tip-sample distance control for a low cost near field optical microscope. <i>Journal of Applied Research and Technology</i> , 2013, 11, 886-894.	0.9	4

#	ARTICLE	IF	CITATIONS
19	Generation of diffraction-free plasmonic beams with one-dimensional Bessel profiles. Optics Letters, 2013, 38, 905.	3.3	43
20	SURFACE PLASMON EXCITATION AND MANIPULATION IN DISORDERED TWO-DIMENSIONAL NANOPARTICLE ARRAYS. Nano, 2013, 08, 1350044.	1.0	2
21	Partial loss compensation in dielectric-loaded plasmonic waveguides at near infra-red wavelengths. Optics Express, 2012, 20, 7771.	3.4	35
22	ELASTIC SURFACE PLASMON POLARITON SCATTERING: NEAR- AND FAR-FIELD INTERACTIONS. Nano, 2012, 07, 1150003.	1.0	4
23	Experimental characterization of dielectric-loaded plasmonic waveguide-racetrack resonators at near-infrared wavelengths. Applied Physics B: Lasers and Optics, 2012, 107, 401-407.	2.2	13
24	Angle dependence of the interaction distance in the shear force technique. Review of Scientific Instruments, 2011, 82, 083704.	1.3	4
25	INTERFERENCE IN FAR-FIELD RADIATION OF EVANESCENT FIELDS. Surface Review and Letters, 2011, 18, 261-265.	1.1	3
26	MODELING OF PLASMONIC PHENOMENA IN NANOSTRUCTURED SURFACES. Nano, 2009, 04, 201-216.	1.0	4
27	Surface plasmon polariton excitation and manipulation by nanoparticle arrays. Optics Communications, 2009, 282, 3032-3036.	2.1	14
28	SURFACE PLASMON POLARITON LOCALIZATION. Surface Review and Letters, 2008, 15, 867-879.	1.1	12
29	LASER PERCUSSION DRILLING ON THIN MILD STEEL SHEET BASED ON THE DUTY CYCLE VARIATIONS OF A PULSED RF SLAB $\text{CO}_2$ LASER. Surface Review and Letters, 2008, 15, 227-231.	1.1	2
30	Integral plug-in RF module in a CO <sub>2</sub> hybrid-waveguide laser: Its performance and overall evaluation. Optik, 2007, 118, 110-114.	2.9	5
31	Modeling of nonlinear microscopy of localized field enhancements in random metal nanostructures. Physical Review B, 2006, 73, .	3.2	14
32	Modeling of a surface plasmon polariton interferometer. Optics Communications, 2004, 240, 345-350.	2.1	18
33	Second-harmonic far-field microscopy of random nanostructured gold surfaces. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 3070-3074.	0.8	1
34	Direct Observation of Localized Second-Harmonic Enhancement in Random Metal Nanostructures. Physical Review Letters, 2003, 90, 197403.	7.8	116
35	Modeling of a Surface Plasmon Polariton Interferometer. Materials Research Society Symposia Proceedings, 2003, 797, 37.	0.1	0
36	Second-harmonic far-field microscopy of random metal nanostructures. , 2003, , .		0

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37	Experimental statistics of near-field intensity distributions at nanostructured surfaces. Journal of Microscopy, 2001, 202, 136-141.	1.8	6
38	Statistics of local field intensity enhancements at nanostructured surfaces investigated with a near-field optical microscope. Physical Review B, 2001, 64, .	3.2	27
39	Near-field optical microscopy of fractal structures. Nanotechnology, 1999, 10, 108-112.	2.6	6
40	Elastic scattering of surface plasmon polaritons: Modeling and experiment. Physical Review B, 1998, 58, 10899-10910.	3.2	87
41	Direct observation of localized dipolar excitations on rough nanostructured surfaces. Physical Review B, 1998, 58, 11441-11448.	3.2	79
42	<title>Imaging of surface plasmons with a near-field microscope</title>. , 1997, , .		15