

# Carlos G Trevino-Palacios

## List of Publications by Year in descending order

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73  
papers

379  
citations

759233

12  
h-index

839539

18  
g-index

76  
all docs

76  
docs citations

76  
times ranked

304  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of oils on the transmission properties of a terahertz photonic crystal. Applied Optics, 2022, 61, 135.	1.8	1
2	Sub-wavelength continuous THz imaging system based on interferometric detection. Optics Express, 2021, 29, 19120.	3.4	6
3	Influence of Laser Modulation Frequency on the Performance of Terahertz Photoconductive Switches on Semi-Insulating GaAs Exhibiting Negative Differential Conductance. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 591-597.	3.1	1
4	Confidencialidad de datos mediante el grabado de códigos QR cifrados. , 2021, 11, 37-45.		0
5	Fluorescence of serotonin in the visible spectrum upon multiphotonic photoconversion. Biomedical Optics Express, 2020, 11, 1432.	2.9	14
6	Information retrieval using overlapping holograms with partial complementarity. Optics Express, 2020, 28, 8027.	3.4	0
7	Interferometric detection for terahertz microscopy. , 2019, , .		2
8	Wavelength-dependent scattering in human eye with cataracts. Journal of Biophotonics, 2018, 11, e201700235.	2.3	0
9	Low-cost microcontrolled based wireless heart rate and oxygen saturation monitor. , 2018, , .		2
10	Evaluation of a LED-based flatbed document scanner for radiochromic film dosimetry in transmission mode. Physica Medica, 2018, 47, 86-91.	0.7	16
11	Rapid scanning optical delay line based on a diffraction grating pair for a low-coherence reflectometer. Applied Optics, 2018, 57, 4542.	1.8	1
12	Neuroimaging with functional near infrared spectroscopy: From formation to interpretation. Infrared Physics and Technology, 2017, 85, 225-237.	2.9	6
13	Modelling and validation of diffuse reflectance of the adult human head for fNIRS: scalp sub-layers definition. , 2017, , .		1
14	MOCARTS: A lightweight radiation transport simulator for easy handling of complex sensing geometries. , 2016, , .		2
15	Swept Source OCT Beyond the Coherence Length Limit. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 222-227.	2.9	2
16	Status and opportunities for future use of terahertz radiation for clinical applications. Photonics & Lasers in Medicine, 2016, 5, 15-20.	0.2	1
17	Two nonlinear optical processes in z-scan curves of a bleached photographic film. , 2016, , .		0
18	Optical damage as a computer generated hologram recording mechanism. Journal of Applied Research and Technology, 2015, 13, 591-595.	0.9	2

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19	Unfolding wrapped phase. <i>Optical Engineering</i> , 2015, 54, 110503.	1.0	4
20	Focus and Alignment Tolerance in a Photoconductive Terahertz Source. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2015, 36, 830-837.	2.2	1
21	Design of free-space optical interconnects using two Gabor superlenses. <i>Optical Review</i> , 2014, 21, 516-521.	2.0	1
22	Developing a device for monitoring O2 saturation in blood. <i>AIP Conference Proceedings</i> , 2014, , .	0.4	1
23	Measurements of the forward and backward scattering lobules, in six different Ar and He-Ne laser lines, passing through fog with different densities and fitted with the Henyey-Greenstein phase function. <i>Optica Pura Y Aplicada</i> , 2014, 47, 13-18.	0.1	0
24	Elliptical Bessel-like diffraction pattern produced by circular apertures with different radius. , 2013, , .		0
25	Design of optical interconnects inspired in multi-aperture optics based in compound insect eyes. , 2012, , .		1
26	Grating cavity dual wavelength dye laser. <i>Optics Express</i> , 2011, 19, 3483.	3.4	13
27	Dual wavelength titanium:sapphire laser. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
28	Design and fabrication of a bidimensional microbolometer array for Terahertz detection characterized at different temperatures. <i>Journal of Physics: Conference Series</i> , 2011, 274, 012112.	0.4	0
29	Responsivity determination of a hydrogenated amorphous silicon micro-bolometer array. , 2011, , .		1
30	Hybrid Titanium-Sapphire: Dye laser. <i>Journal of Physics: Conference Series</i> , 2011, 274, 012075.	0.4	0
31	a-Si:H crystallization from isothermal annealing and its dependence on the substrate used. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 174, 137-140.	3.5	2
32	FTIR and electrical characterization of a-Si:H layers deposited by PECVD at different boron ratios. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 174, 93-96.	3.5	10
33	Brain Imaging Using T-Rays Instrumentation Advances. , 2010, , .		1
34	Neither Kerr Nor Thermal Nonlinear Response of Dye Doped Liquid Crystal Characterized by the Z-Scan Technique. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 489, 9/[335]-21/[347].	0.9	5
35	Design of a Dual Wavelength Birefringent Filter. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	3
36	Automated Z-Scan to Distinguish Different Types of Nonlinearity Without Proposing it. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	0

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37	Study of Laser Reflectivity on Skin. AIP Conference Proceedings, 2008, , .	0.4	0
38	Microstructural Characterization of Fired Clay Bricks in the Chontalpa Region, Tabasco, Mexico. Materials and Manufacturing Processes, 2007, 22, 298-300.	4.7	5
39	Security system with optical key access. , 2007, , .		4
40	Influence of the photoinduced focal length of a thin nonlinear material in the Z-scan technique. Optics Express, 2007, 15, 2517.	3.4	39
41	Optical damage computer generated holograms. , 2006, , .		1
42	Nonlinear imaging applied to the visualization of flow patterns. , 2006, 6046, 141.		0
43	Nonlinear phase contrast microscope. , 2006, , .		1
44	Nonlinear imaging applied to the visualization of flow patterns. , 2006, , .		0
45	Colossal optical nonlinear effects at the nematic-isotropic temperature transition in azo dye-doped liquid crystals. , 2005, 5936, 201.		2
46	Defect detection in metals using electronic speckle pattern interferometry. Solar Energy Materials and Solar Cells, 2005, 88, 217-225.	6.2	16
47	Solar conduction heat transfer in fired clay bricks. Solar Energy Materials and Solar Cells, 2005, 88, 169-178.	6.2	11
48	Dynamically reconfigurable optical trap created with a combination of axicons. , 2004, 5514, 663.		0
49	<title>Review of the nonlinear common path interferometer</title>. , 2004, , .		0
50	<title>Flow visualization using nonlinear phase contrast</title>. , 2004, 5622, 204.		0
51	Non-hydrscopic vanilla doped dichromated gelatin holographic material. Optical Materials, 2003, 22, 397-404.	3.6	12
52	Nonlinear common-path interferometer: an image processor. Applied Optics, 2003, 42, 5091.	2.1	22
53	Phase Control: Nonlinear Phase Constrast. Optics and Photonics News, 2003, 14, 30.	0.5	15
54	High-speed optical interconnect demultiplexing at the Fresnel plane. , 2003, 5264, 226.		0

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55	<title>Analysis of polarization states in an optical fiber under magnetic field effects</title>. , 2002, , .		2
56	Intensity compensation of a transmitted spectrum using an all-fiber Sagnac interferometer. Optical Engineering, 2002, 41, 1153.	1.0	1
57	Coupling coefficient evaluation of a fiber directional coupler using an all-fiber Sagnac interferometer. Optical Engineering, 2002, 41, 555.	1.0	1
58	Photo-EMF effect in polydiacetylene PTS. , 2002, , .		0
59	Cholesterol-oleate-doped polymer-dispersed liquid-crystal voltage-controlled ring projector. Optics Letters, 2002, 27, 1022.	3.3	3
60	<title>Waveguiding properties of dark spatial soliton arrays in BTO photorefractive crystal</title>. , 2001, , .		1
61	Reversible holographic recording in photochromic spiropyran-doped polymers. , 2001, , .		0
62	High-power second-harmonic generation experiments in periodically poled lithium niobate waveguides. , 2000, , .		0
63	Polydiacetylene PTS: A Molecular Quantum Wire with Exceptional Optical Properties. , 2000, , 209-226.		0
64	Wavelength shifting using cascaded second-order processes for WDM applications at 1.55 [micro sign]m. Electronics Letters, 1998, 34, 2157.	1.0	18
65	Spatial chirping of wavevector mismatch in LiNbO/sub 3/ segmented waveguides for engineering of specific second-harmonic generation detuning curves for cascading applications. , 1998, , .		0
66	Spatial nonreciprocity in waveguide second-order processes. Optics Letters, 1996, 21, 1442.	3.3	32
67	Intensity dependent mode competition in second harmonic generation in multimode waveguides. Applied Physics Letters, 1995, 67, 170-172.	3.3	20
68	Simultaneous generation of red, green and blue light in room temperature periodically poled lithium niobate waveguides using single source. Electronics Letters, 1995, 31, 1350-1351.	1.0	30
69	Waveguide design for minimum nonlinear effective area and switching energy in AlGaAs at half the bandgap. Electronics Letters, 1995, 31, 549-551.	1.0	23
70	Observation of two-dimensional quadratic spatial-solitons in type I potassium niobate. , 0, , .		2
71	Nonlinear common-path interferometer using bacteriorhodopsin. , 0, , .		0
72	AC photocurrents generated in polydiacetylene PTS. , 0, , .		0

#	ARTICLE	IF	CITATIONS
73	Dual wavelength continuous wave laser using a birefringent filter. Journal of the European Optical Society-Rapid Publications, 0, 8, .	1.9	17