

# Carlos G Trevino-Palacios

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/780980/publications.pdf>

Version: 2024-02-01

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  | Influence of the photoinduced focal length of a thin nonlinear material in the Z-scan technique. <i>Optics Express</i> , 2007, 15, 2517.  | 3.4 | 39        |
| 2  | Spatial nonreciprocity in waveguide second-order processes. <i>Optics Letters</i> , 1996, 21, 1442.   | 3.3 | 32        |
| 3  | Simultaneous generation of red, green and blue light in room temperature periodically poled lithium niobate waveguides using single source. <i>Electronics Letters</i> , 1995, 31, 1350-1351.                     | 1.0 | 30        |
| 4  | Waveguide design for minimum nonlinear effective area and switching energy in AlGaAs at half the bandgap. <i>Electronics Letters</i> , 1995, 31, 549-551.   | 1.0 | 23        |
| 5  | Nonlinear common-path interferometer: an image processor. <i>Applied Optics</i> , 2003, 42, 5091.   | 2.1 | 22        |
| 6  | Intensity dependent mode competition in second harmonic generation in multimode waveguides. <i>Applied Physics Letters</i> , 1995, 67, 170-172.   | 3.3 | 20        |
| 7  | Wavelength shifting using cascaded second-order processes for WDM applications at 1.55 [micro sign]m. <i>Electronics Letters</i> , 1998, 34, 2157.  | 1.0 | 18        |
| 8  | Dual wavelength continuous wave laser using a birefringent filter. <i>Journal of the European Optical Society-Rapid Publications</i> , 0, 8, .  | 1.9 | 17        |
| 9  | Defect detection in metals using electronic speckle pattern interferometry. <i>Solar Energy Materials and Solar Cells</i> , 2005, 88, 217-225.  | 6.2 | 16        |
| 10 | Evaluation of a LED-based flatbed document scanner for radiochromic film dosimetry in transmission mode. <i>Physica Medica</i> , 2018, 47, 86-91.   | 0.7 | 16        |
| 11 | Phase Control: Nonlinear Phase Contrast. <i>Optics and Photonics News</i> , 2003, 14, 30.   | 0.5 | 15        |
| 12 | Fluorescence of serotonin in the visible spectrum upon multiphotonic photoconversion. <i>Biomedical Optics Express</i> , 2020, 11, 1432.  | 2.9 | 14        |
| 13 | Grating cavity dual wavelength dye laser. <i>Optics Express</i> , 2011, 19, 3483.   | 3.4 | 13        |
| 14 | Non-hydroscopic vanilla doped dichromated gelatin holographic material. <i>Optical Materials</i> , 2003, 22, 397-404.   | 3.6 | 12        |
| 15 | Solar conduction heat transfer in fired clay bricks. <i>Solar Energy Materials and Solar Cells</i> , 2005, 88, 169-178.   | 6.2 | 11        |
| 16 | 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        |
| 17 | Neuroimaging with functional near infrared spectroscopy: From formation to interpretation. <i>Infrared Physics and Technology</i> , 2017, 85, 225-237.  | 2.9 | 6         |
| 18 | Sub-wavelength continuous THz imaging system based on interferometric detection. <i>Optics Express</i> , 2021, 29, 19120.   | 3.4 | 6         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Microstructural Characterization of Fired Clay Bricks in the Chontalpa Region, Tabasco, Mexico. Materials and Manufacturing Processes, 2007, 22, 298-300.  | 4.7 | 5         |
| 20 | Neither Kerr Nor Thermal Nonlinear Response of Dye Doped Liquid Crystal Characterized by the Z-Scan Technique. Molecular Crystals and Liquid Crystals, 2008, 489, 9/[335]-21/[347].                | 0.9 | 5         |
| 21 | Security system with optical key access. , 2007, , .   |     | 4         |
| 22 | Unfolding wrapped phase. Optical Engineering, 2015, 54, 110503.  | 1.0 | 4         |
| 23 | Cholesterol-oleate-doped polymer-dispersed liquid-crystal voltage-controlled ring projector. Optics Letters, 2002, 27, 1022.   | 3.3 | 3         |
| 24 | Design of a Dual Wavelength Birefringent Filter. AIP Conference Proceedings, 2008, , .   | 0.4 | 3         |
| 25 | Observation of two-dimensional quadratic spatial-solitons in type I potassium niobate. , 0, , .  |     | 2         |
| 26 | <title>Analysis of polarization states in an optical fiber under magnetic field effects</title>. , 2002, , .   |     | 2         |
| 27 | Colossal optical nonlinear effects at the nematic-isotropic temperature transition in azo dye-doped liquid crystals. , 2005, 5936, 201.  |     | 2         |
| 28 | a-Si:H crystallization from isothermal annealing and its dependence on the substrate used. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 174, 137-140. | 3.5 | 2         |
| 29 | Optical damage as a computer generated hologram recording mechanism. Journal of Applied Research and Technology, 2015, 13, 591-595.  | 0.9 | 2         |
| 30 | MOCARTS: A lightweight radiation transport simulator for easy handling of complex sensing geometries. , 2016, , .  |     | 2         |
| 31 | Swept Source OCT Beyond the Coherence Length Limit. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 222-227.   | 2.9 | 2         |
| 32 | Low-cost microcontrolled based wireless heart rate and oxygen saturation monitor. , 2018, , .  |     | 2         |
| 33 | Interferometric detection for terahertz microscopy. , 2019, , .  |     | 2         |
| 34 | <title>Waveguiding properties of dark spatial soliton arrays in BTO photorefractive crystal</title>. , 2001, , .   |     | 1         |
| 35 | Intensity compensation of a transmitted spectrum using an all-fiber Sagnac interferometer. Optical Engineering, 2002, 41, 1153.  | 1.0 | 1         |
| 36 | Coupling coefficient evaluation of a fiber directional coupler using an all-fiber Sagnac interferometer. Optical Engineering, 2002, 41, 555.   | 1.0 | 1         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Optical damage computer generated holograms. , 2006, , .   |     | 1         |
| 38 | Nonlinear phase contrast microscope. , 2006, , .   |     | 1         |
| 39 | Brain Imaging Using T-Rays Instrumentation Advances. , 2010, , .   |     | 1         |
| 40 | Responsivity determination of a hydrogenated amorphous silicon micro-bolometer array. , 2011, , .  |     | 1         |
| 41 | Design of optical interconnects inspired in multi-aperture optics based in compound insect eyes. , 2012, , .   |     | 1         |
| 42 | Design of free-space optical interconnects using two Gabor superlenses. Optical Review, 2014, 21, 516-521.   | 2.0 | 1         |
| 43 | Developing a device for monitoring O2 saturation in blood. AIP Conference Proceedings, 2014, , .   | 0.4 | 1         |
| 44 | Focus and Alignment Tolerance in a Photoconductive Terahertz Source. Journal of Infrared, Millimeter, and Terahertz Waves, 2015, 36, 830-837.  | 2.2 | 1         |
| 45 | Status and opportunities for future use of terahertz radiation for clinical applications. Photonics & Lasers in Medicine, 2016, 5, 15-20.  | 0.2 | 1         |
| 46 | Rapid scanning optical delay line based on a diffraction grating pair for a low-coherence reflectometer. Applied Optics, 2018, 57, 4542.   | 1.8 | 1         |
| 47 | 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         |
| 48 | Modelling and validation of diffuse reflectance of the adult human head for fNIRS: scalp sub-layers definition. , 2017, , .  |     | 1         |
| 49 | Effect of oils on the transmission properties of a terahertz photonic crystal. Applied Optics, 2022, 61, 135.  | 1.8 | 1         |
| 50 | Spatial chirping of wavevector mismatch in LiNbO <sub>3</sub> /segmented waveguides for engineering of specific second-harmonic generation detuning curves for cascading applications. , 1998, , .   |     | 0         |
| 51 | High-power second-harmonic generation experiments in periodically poled lithium niobate waveguides. , 2000, , .  |     | 0         |
| 52 | Reversible holographic recording in photochromic spiropyran-doped polymers. , 2001, , .  |     | 0         |
| 53 | Nonlinear common-path interferometer using bacteriorhodopsin. , 0, , .   |     | 0         |
| 54 | Photo-EMF effect in polydiacetylene PTS. , 2002, , .   |     | 0         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | AC photocurrents generated in polydiacetylene PTS. , 0, , .   |     | 0         |
| 56 | High-speed optical interconnect demultiplexing at the Fresnel plane. , 2003, 5264, 226.   |     | 0         |
| 57 | Dynamically reconfigurable optical trap created with a combination of axicons. , 2004, 5514, 663.   |     | 0         |
| 58 | <title>Review of the nonlinear common path interferometer</title>. , 2004, , .  |     | 0         |
| 59 | <title>Flow visualization using nonlinear phase contrast</title>. , 2004, 5622, 204.  |     | 0         |
| 60 | Nonlinear imaging applied to the visualization of flow patterns. , 2006, 6046, 141.   |     | 0         |
| 61 | Nonlinear imaging applied to the visualization of flow patterns. , 2006, , .  |     | 0         |
| 62 | Automated Z-Scan to Distinguish Different Types of Nonlinearity Without Proposing it. AIP Conference Proceedings, 2008, , .   | 0.4 | 0         |
| 63 | Study of Laser Reflectivity on Skin. AIP Conference Proceedings, 2008, , .  | 0.4 | 0         |
| 64 | Dual wavelength titanium:sapphire laser. Proceedings of SPIE, 2011, , .   | 0.8 | 0         |
| 65 | Design and fabrication of a bidimensional microbolometer array for Terahertz detection characterized at different temperatures. Journal of Physics: Conference Series, 2011, 274, 012112.   | 0.4 | 0         |
| 66 | Hybrid Titanium-Sapphire: Dye laser. Journal of Physics: Conference Series, 2011, 274, 012075.  | 0.4 | 0         |
| 67 | Elliptical Bessel-like diffraction pattern produced by circular apertures with different radius. , 2013, , .  |     | 0         |
| 68 | Wavelength-dependent scattering in human eye with cataracts. Journal of Biophotonics, 2018, 11, e201700235.   | 2.3 | 0         |
| 69 | Polydiacetylene PTS: A Molecular Quantum Wire with Exceptional Optical Properties. , 2000, , 209-226.   |     | 0         |
| 70 | 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. Optica Pura Y Aplicada, 2014, 47, 13-18. | 0.1 | 0         |
| 71 | Two nonlinear optical processes in z-scan curves of a bleached photographic film. , 2016, , .   |     | 0         |
| 72 | Information retrieval using overlapping holograms with partial complementarity. Optics Express, 2020, 28, 8027.   | 3.4 | 0         |

| #  | ARTICLE  | IF | CITATIONS |
|----|--|----|-----------|
| 73 | Confidencialidad de datos mediante el grabado de códigos QR cifrados. , 2021, 11, 37-45. |    | 0         |