

# Amos Martinez

## List of Publications by Year in descending order

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55  
papers

4,007  
citations

257101

24  
h-index

395343

33  
g-index

56  
all docs

56  
docs citations

56  
times ranked

4529  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical modulators with 2D layered materials. Nature Photonics, 2016, 10, 227-238.	15.6	1,188
2	Nanotube and graphene saturable absorbers for fibre lasers. Nature Photonics, 2013, 7, 842-845.	15.6	695
3	Direct writing of fibre Bragg gratings by femtosecond laser. Electronics Letters, 2004, 40, 1170.	0.5	362
4	Optical deposition of graphene and carbon nanotubes in a fiber ferrule for passive mode-locked lasing. Optics Express, 2010, 18, 23054.	1.7	235
5	Mechanical exfoliation of graphene for the passive mode-locking of fiber lasers. Applied Physics Letters, 2011, 99, .	1.5	211
6	Multi-gigahertz repetition rate passively modelocked fiber lasers using carbon nanotubes. Optics Express, 2011, 19, 6155.	1.7	194
7	Thermal properties of fibre Bragg gratings inscribed point-by-point by infrared femtosecond laser. Electronics Letters, 2005, 41, 176.	0.5	132
8	10â€‰GHz fundamental mode fiber laser using a graphene saturable absorber. Applied Physics Letters, 2012, 101, 041118.	1.5	117
9	Direct inscription of Bragg gratings in coated fibers by an infrared femtosecond laser. Optics Letters, 2006, 31, 1603.	1.7	116
10	Distributed Bragg reflector fiber laser fabricated by femtosecond laser inscription. Optics Letters, 2006, 31, 1672.	1.7	78
11	In-fiber microchannel device filled with a carbon nanotube dispersion for passive mode-lock lasing. Optics Express, 2008, 16, 15425.	1.7	70
12	Mechanically Exfoliated Graphene for Four-Wave-Mixing-Based Wavelength Conversion. IEEE Photonics Technology Letters, 2012, 24, 1792-1794.	1.3	60
13	Fabrication of Carbon nanotube-poly-methyl-methacrylate composites for nonlinear photonic devices. Optics Express, 2008, 16, 11337.	1.7	55
14	Short pulse fiber lasers mode-locked by carbon nanotubes and graphene. Optical Fiber Technology, 2014, 20, 702-713.	1.4	53
15	Photoinduced Modifications in Fiber Gratings Inscribed Directly by Infrared Femtosecond Irradiation. IEEE Photonics Technology Letters, 2006, 18, 2266-2268.	1.3	50
16	Low-loss saturable absorbers based on tapered fibers embedded in carbon nanotube/polymer composites. APL Photonics, 2017, 2, .	3.0	40
17	Vector bending sensors based on fibre Bragg gratings inscribed by infrared femtosecond laser. Electronics Letters, 2005, 41, 472.	0.5	39
18	Passive mode-locked lasing by injecting a carbon nanotube-solution in the core of an optical fiber. Optics Express, 2010, 18, 11008.	1.7	38

#	ARTICLE	IF	CITATIONS
19	Bending characteristics of fiber long-period gratings with cladding index modified by femtosecond laser. <i>Journal of Lightwave Technology</i> , 2006, 24, 3147-3154.	2.7	34
20	Long period grating directional bend sensor based on asymmetric index modification of cladding. <i>Electronics Letters</i> , 2005, 41, 59.	0.5	33
21	Enhanced stability of nitrogen-sealed carbon nanotube saturable absorbers under high-intensity irradiation. <i>Optics Express</i> , 2013, 21, 4665.	1.7	32
22	Photon Pair Generation with a 100 nm Thick Carbon Nanotube Film. <i>Advanced Materials</i> , 2017, 29, 1605978.	11.1	28
23	Carbon nanotube-doped polymer optical fiber. <i>Optics Letters</i> , 2009, 34, 3077.	1.7	24
24	Carbon nanotube/polymer composite coated tapered fiber for four wave mixing based wavelength conversion. <i>Optics Express</i> , 2013, 21, 3651.	1.7	24
25	A net normal dispersion all-fiber laser using a hybrid mode-locking mechanism. <i>Laser Physics Letters</i> , 2014, 11, 025101.	0.6	17
26	Polarization Maintaining, Nanotube-Based Mode-Locked Lasing From Figure of Eight Fiber Laser. <i>IEEE Photonics Technology Letters</i> , 2014, 26, 180-182.	1.3	17
27	Carbon Nanotube-Based Photonic Devices: Applications in Nonlinear Optics. , 2011, , .		10
28	Nanotube Based Nonlinear Fiber Devices for Fiber Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014, 20, 89-98.	1.9	10
29	Generation of Four Wave Mixing in Graphene and Carbon Nanotubes Optically Deposited onto Fiber Ferrules. , 2011, , .		9
30	Carbon nanotube and graphene for photonic applications. <i>Proceedings of SPIE</i> , 2013, , .	0.8	5
31	All-Polarization Maintaining Fiber Laser and Pulse Compressor. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 2151-2154.	1.3	5
32	Micro-fabrication of advanced photonic devices by means of direct point-by-point femtosecond inscription in silica. , 2006, , .		4
33	Structure of fiber gratings directly written by infrared femtosecond laser. , 2006, , .		3
34	Optimization of output power in a fiber optical parametric oscillator. <i>Optics Express</i> , 2013, 21, 22617.	1.7	3
35	Quantum key distribution using in-line highly birefringent interferometers. <i>Applied Physics Letters</i> , 2018, 113, 031107.	1.5	3
36	High-power sub-picosecond all-fiber laser source at 1.56 $\mu\text{m}$ . <i>Chinese Optics Letters</i> , 2014, 12, 111402-111404.	1.3	3

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37	Multi-solitons in a Dispersion Managed Fiber Laser using a Carbon Nanotube-Coated Taper Fiber. , 2012, , .		3
38	Direct Femtosecond Inscription of Fiber Bragg Gratings.. Materials Research Society Symposia Proceedings, 2004, 850, 72.	0.1	1
39	Stability enhancement of carbon-nanotube-based mode-locked fiber laser by Nitrogen sealing. , 2011, , .		1
40	Carbon nanotube and graphene-based fiber lasers. , 2013, , 121-147e.		1
41	Recent advances in mode-locked fibre lasers. , 2015, , .		1
42	Bright-dark rogue wave in mode-locked fibre laser (Conference Presentation). , 2017, , .		1
43	Fiber Laser with Enhanced Modelocking using a Carbon Nanotube-filled Micro-Slot Saturable Absorber. , 2009, , .		1
44	High-power sub-picosecond all-fiber laser source at 1.56 $\mu$ m-corrigendum. Chinese Optics Letters, 2014, 12, 123502.	1.3	1
45	Plasma Assisted Femtosecond Laser Inscription in Dielectrics. AIP Conference Proceedings, 2006, , .	0.3	0
46	High energy all-fiber passively mode locked laser based on a Carbon nanotube-filled micro channel. , 2008, , .		0
47	Carbon nanotube-doped polymer optical fiber: Fabrication and application to passively mode-locked laser. , 2008, , .		0
48	Direct and evanescent interaction in carbon nanotube based photonic devices by using laser inscribed fiber structures. , 2009, , .		0
49	Application of carbon nanotubes for mode-locked fiber lasers and nonlinear devices. , 2009, , .		0
50	Carbon nanotube photonics. , 2010, , .		0
51	Stretched-Pulse Mode-locking using a Mechanically Exfoliated Graphene Saturable Absorber. , 2012, , .		0
52	Fabrication and characterization of Carbon Nanotube-Polymer saturable absorbers for mode-locked lasers. , 2008, , .		0
53	Generation of Dissipative Solitons and noise-like pulse from Figure of Eight Fiber Laser. , 2012, , .		0
54	Simplified all-polarization maintaining fiber laser mode-locked in the all-normal dispersion regime. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
55	Birefringent Interferometry for Quantum Key Distribution. , 2018, , .		0