

# David Benito

## List of Publications by Year in descending order

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43  
papers

1,133  
citations

471509

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docs citations

43  
times ranked

737  
citing authors

#	ARTICLE	IF	CITATIONS
1	New microstrip "Wiggly-Line" filters with spurious passband suppression. IEEE Transactions on Microwave Theory and Techniques, 2001, 49, 1593-1598.	4.6	239
2	Characterization of stimulated Brillouin scattering spectra by use of optical single-sideband modulation. Optics Letters, 2004, 29, 638.	3.3	96
3	Real-time spectrum analysis in microstrip technology. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 705-717.	4.6	90
4	Single-sideband suppressed-carrier modulation using a single-electrode electrooptic modulator. IEEE Photonics Technology Letters, 2001, 13, 869-871.	2.5	84
5	Novel photonic bandgap microstrip structures using network topology. Microwave and Optical Technology Letters, 2000, 25, 33-36.	1.4	61
6	Applications of Optical Carrier Brillouin Processing to Microwave Photonics. Optical Fiber Technology, 2002, 8, 24-42.	2.7	60
7	Novel wideband photonic bandgap microstrip structures. Microwave and Optical Technology Letters, 2000, 24, 357-360.	1.4	46
8	Chirped delay lines in microstrip technology. IEEE Microwave and Wireless Components Letters, 2001, 11, 486-488.	3.2	45
9	Optical carrier Brillouin processing of microwave photonic signals. Optics Letters, 2000, 25, 1234.	3.3	43
10	Optical carrier-suppression technique with a Brillouin-erbium fiber laser. Optics Letters, 2000, 25, 197.	3.3	41
11	Optical vector network analysis based on single-sideband modulation. Optical Engineering, 2004, 43, 2418.	1.0	40
12	A Compact Design of High-Power Spurious-Free Low-Pass Waveguide Filter. IEEE Microwave and Wireless Components Letters, 2010, 20, 595-597.	3.2	34
13	A Series Solution for the Single-Mode Synthesis Problem Based on the Coupled-Mode Theory. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 457-466.	4.6	33
14	Design and performance of the bidirectional optical single-sideband modulator. Journal of Lightwave Technology, 2003, 21, 1071-1082.	4.6	28
15	High-Power Low-Pass Harmonic Filters With Higher-Order $TE_{m n 0}$ and Non- $TE_{m n 0}$ Mode Suppression: Design Method and Multipactor Characterization. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 4376-4386.	4.6	27
16	Electromagnetic crystals in microstrip technology. Optical and Quantum Electronics, 2002, 34, 279-295.	3.3	19
17	Design of Transmission-Type $N$ th-Order Differentiators in Planar Microwave Technology. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 3384-3394.	4.6	19
18	Analytical solution for the design of planar electromagnetic bandgap structures with spurious-free frequency response. Microwave and Optical Technology Letters, 2012, 54, 956-960.	1.4	14

#	ARTICLE	IF	CITATIONS
19	Optical single-sideband modulator for broad-band subcarrier multiplexing systems. IEEE Photonics Technology Letters, 2003, 15, 311-313.	2.5	13
20	Synthesis of One Dimensional Electromagnetic Bandgap Structures with Fully Controlled Parameters. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 3123-3134.	4.6	11
21	Simple optical single-sideband modulator for fibre-radio applications. Electronics Letters, 2003, 39, 97.	1.0	9
22	Direct and Exact Synthesis: Controlling the Microwaves by Means of Synthesized Passive Components with Smooth Profiles. IEEE Microwave Magazine, 2015, 16, 114-128.	0.8	9
23	Title is missing!. Optical and Quantum Electronics, 2002, 34, 297-310.	3.3	8
24	Dispersion-Tolerant All-Optical Subcarrier Modulator for Broad-Band BPSK Transmissions. IEEE Photonics Technology Letters, 2004, 16, 1161-1163.	2.5	8
25	Modeling and Testing of Uniform Fiber Bragg Gratings Using 1-D Photonic Bandgap Structures in Microstrip Technology. Fiber and Integrated Optics, 2000, 19, 311-325.	2.5	7
26	Optical Single-Sideband Modulators and Their Applications. Fiber and Integrated Optics, 2004, 23, 171-188.	2.5	6
27	On the Measurement of Fiber Bragg Grating's Phase Responses and the Applicability of Phase Reconstruction Methods. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 1416-1422.	4.7	6
28	A novel electrically tunable dispersion compensation system. IEEE Journal of Selected Topics in Quantum Electronics, 1999, 5, 1332-1338.	2.9	5
29	Emulated single-mode fiber-optic link by use of a linearly chirped fiber Bragg grating. IEEE Journal of Selected Topics in Quantum Electronics, 1999, 5, 1345-1352.	2.9	5
30	Narrow-bandwidth technique for stimulated Brillouin scattering spectral characterisation. Electronics Letters, 2001, 37, 367.	1.0	5
31	Analysis of electrically configurable spectral phase encoding techniques for optical CDMA. Optics Communications, 2008, 281, 5973-5981.	2.1	5
32	Passive Microwave Component Design Using Inverse Scattering: Theory and Applications. International Journal of Antennas and Propagation, 2013, 2013, 1-10.	1.2	5
33	All-optical implementation of broadband QPSK subcarrier modulator. Electronics Letters, 2004, 40, 1362.	1.0	4
34	Third-Order Dispersion in Linearly Chirped Bragg Gratings and Its Compensation. Fiber and Integrated Optics, 2000, 19, 367-382.	2.5	3
35	Applications of Electromagnetic Crystals in Microstrip Technology. , 2000, , .		1
36	A comparison of the performance of different tapers in continuous microstrip electromagnetic crystals. Microwave and Optical Technology Letters, 2003, 36, 37-40.	1.4	1

#	ARTICLE	IF	CITATIONS
37	Phase Reconstruction for the Frequency Response Measurement of FBGs. , 2007, , .		1
38	Microwave periodic structures and synthesized structures with smooth profiles and their applications. , 2016, , .		1
39	Robust Tolerance Design of Bandpass Filter with Improved Frequency Response for Q-Band Satellite Applications. IEEE Microwave and Wireless Components Letters, 2021, , 1-1.	3.2	1
40	Optimization of the total bandwidth of the modulator/deflector of an acousto-optical spectrum analyzer used in radio-astronomy applications. Microwave and Optical Technology Letters, 1994, 7, 823-827.	1.4	0
41	Chirped fiber grating-based fiber optic communication evaluator: design and implementation. Optical Engineering, 1999, 38, 1640.	1.0	0
42	Electrically tunable dispersion compensation in high bit rate TDM system using fibre Bragg gratings. Electronics Letters, 2001, 37, 847.	1.0	0
43	Optical carrier processor of microwave/millimeter-wave photonic signals by using a fiber Bragg grating in transmission. , 2006, , .		0