Scott B Foster

List of Publications by Year
in descending order

25 papers	482 citations	1040056 9 h-index	940533 16 g-index
25 all docs	25 docs citations	25 times ranked	258 citing authors

#	Article	IF	Citations
1	Thermal Noise Limits for Optical Time Domain Reflectometry. Journal of Lightwave Technology, 2021, 39, 2514-2521.	4.6	3
2	How sensitive is distributed acoustic sensing?. , 2019, , .		1
3	General Dynamics of Single Frequency Solid-State Lasers in the Saturated Regime. IEEE Journal of Quantum Electronics, 2018, 54, 1-11.	1.9	0
4	Distributed Feedback Fiber Laser Strain Sensor Technology. Journal of Lightwave Technology, 2017, 35, 3514-3530.	4.6	42
5	Relaxation oscillation noise suppression in high-Q cavity fiber laser sensors. , 2017, , .		1
6	A new family of single frequency Bragg grating fiber lasers. , 2016, , .		1
7	Splice-Free Fiber Laser Array. Journal of Lightwave Technology, 2013, 31, 889-895.	4.6	4
8	External feedback DFB fibre laser sensors in the weak reflection regime. Proceedings of SPIE, 2012, , .	0.8	1
9	Low-frequency thermal noise in optical fiber cavities. Physical Review A, 2012, 86, .	2.5	20
10	Towards a High Performance Fiber Laser Hydrophone. Journal of Lightwave Technology, 2011, 29, 1335-1342.	4.6	50
11	Pump-Noise Contribution to Frequency Noise and Linewidth of Distributed-Feedback Fiber Lasers. IEEE Journal of Quantum Electronics, 2010, 46, 734-741.	1.9	33
12	Experimental evidence for the thermal origin of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1</mml:mn><mml:mo>/</mml:mo><mml:mi>f</mml:mi></mml:mrow></mml:math>frequency noise in erbium-doped fiber lasers. Physical Review A, 2009, 79, .	2.5	54
13	A fibre laser acoustic vector sensor. Proceedings of SPIE, 2009, , .	0.8	8
14	In Defence of the McCumber Relation for Erbium-Doped Silica and Other Laser Glasses. IEEE Journal of Quantum Electronics, 2009, 45, 1232-1239.	1.9	7
15	Field demonstration of a DFB fibre laser hydrophone seabed array in Jervis Bay, Australia. Proceedings of SPIE, 2009, , .	0.8	25
16	Pressure compensated distributed feedback fibre laser hydrophone. Proceedings of SPIE, 2008, , .	0.8	13
17	How sensitive is the fibre laser strain sensor?. , 2008, , .		5
18	DFB FL Sensor Cross-Coupling Reduction. Journal of Lightwave Technology, 2007, 25, 533-538.	4.6	37

#	Article	IF	Citations
19	A New Derivation of the Fundamental Mode Equations for Low Gain Distributed Feedback Lasers. IEEE Journal of Quantum Electronics, 2007, 43, 4-5.	1.9	5
20	Fundamental Thermal Noise in Distributed Feedback Fiber Lasers. IEEE Journal of Quantum Electronics, 2007, 43, 378-384.	1.9	91
21	Complex Susceptibility of Saturated Erbium-Doped Fiber Lasers and Amplifiers. IEEE Photonics Technology Letters, 2007, 19, 895-897.	2.5	8
22	A 16 channel fibre laser sensor array. , 2006, , .		13
23	DFB FL sensor multiplexing noise. , 2006, , .		3
24	A 16 Channel Fibre Laser Sensor Array. , 2006, , FA4.		11
25	A fiber laser hydrophone. , 2005, , .		46