

Scott B Foster

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5011832/publications.pdf>

Version: 2024-02-01

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	Fundamental Thermal Noise in Distributed Feedback Fiber Lasers. IEEE Journal of Quantum Electronics, 2007, 43, 378-384.	1.9	91
2	Experimental evidence for the thermal origin of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle \text{mml:mrow}>\langle \text{mml:mn}>1\langle \text{mml:mn}>1\langle \text{mml:mo}>/\langle \text{mml:mo}>\langle \text{mml:mi}>f\langle \text{mml:mi}>/\langle \text{mml:mrow}>\langle \text{mml:math}>/\text{frequency noise in erbium-doped fiber lasers. Physical Review A, 2009, 79, .$	2.5	54
3	Towards a High Performance Fiber Laser Hydrophone. Journal of Lightwave Technology, 2011, 29, 1335-1342.	4.6	50
4	A fiber laser hydrophone. , 2005, , .		46
5	Distributed Feedback Fiber Laser Strain Sensor Technology. Journal of Lightwave Technology, 2017, 35, 3514-3530.	4.6	42
6	DFB FL Sensor Cross-Coupling Reduction. Journal of Lightwave Technology, 2007, 25, 533-538.	4.6	37
7	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
8	Field demonstration of a DFB fibre laser hydrophone seabed array in Jervis Bay, Australia. Proceedings of SPIE, 2009, , .	0.8	25
9	Low-frequency thermal noise in optical fiber cavities. Physical Review A, 2012, 86, .	2.5	20
10	A 16 channel fibre laser sensor array. , 2006, , .		13
11	Pressure compensated distributed feedback fibre laser hydrophone. Proceedings of SPIE, 2008, , .	0.8	13
12	A 16 Channel Fibre Laser Sensor Array. , 2006, , FA4.		11
13	Complex Susceptibility of Saturated Erbium-Doped Fiber Lasers and Amplifiers. IEEE Photonics Technology Letters, 2007, 19, 895-897.	2.5	8
14	A fibre laser acoustic vector sensor. Proceedings of SPIE, 2009, , .	0.8	8
15	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
16	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
17	How sensitive is the fibre laser strain sensor?. , 2008, , .		5
18	Splice-Free Fiber Laser Array. Journal of Lightwave Technology, 2013, 31, 889-895.	4.6	4

#	ARTICLE	IF	CITATIONS
19	DFB FL sensor multiplexing noise. , 2006, , .		3
20	Thermal Noise Limits for Optical Time Domain Reflectometry. Journal of Lightwave Technology, 2021, 39, 2514-2521.	4.6	3
21	External feedback DFB fibre laser sensors in the weak reflection regime. Proceedings of SPIE, 2012, , .	0.8	1
22	A new family of single frequency Bragg grating fiber lasers. , 2016, , .		1
23	Relaxation oscillation noise suppression in high-Q cavity fiber laser sensors. , 2017, , .		1
24	How sensitive is distributed acoustic sensing?. , 2019, , .		1
25	General Dynamics of Single Frequency Solid-State Lasers in the Saturated Regime. IEEE Journal of Quantum Electronics, 2018, 54, 1-11.	1.9	0