

Alexander Hause

List of Publications by Year in descending order

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22
papers

180
citations

1477746

6
h-index

1473754

9
g-index

22
all docs

22
docs citations

22
times ranked

183
citing authors

#	ARTICLE	IF	CITATIONS
1	Solitons Beyond Binary: Possibility of Fibre-Optic Transmission of Two Bits per Clock Period. Scientific Reports, 2012, 2, 866.	1.6	94
2	Soliton molecules for advanced optical telecommunications. European Physical Journal: Special Topics, 2016, 225, 2453-2464.	1.2	23
3	Soliton Content of Fiber-Optic Light Pulses. Applied Sciences (Switzerland), 2017, 7, 635.	1.3	20
4	Understanding Raman-shifting multipeak states in photonic crystal fibers: two convergent approaches. Optics Letters, 2010, 35, 2167.	1.7	11
5	Impact of fiber loss on two-soliton states: Substantial changes in eigenvalue spectrum. Physical Review A, 2018, 98, .	1.0	10
6	Solitons in fibers with loss beyond small perturbation. Physical Review A, 2017, 96, .	1.0	8
7	Optimization strategy to find shapes of soliton molecules. Applied Physics B: Lasers and Optics, 2014, 116, 43-52.	1.1	6
8	A fiber Mach-Zehnder interferometer for the unique phase retrieval of ultrafast pulses with a 1-THz gap. Applied Physics B: Lasers and Optics, 2010, 99, 423-426.	1.1	5
9	On the Creation of Solitons in Amplifying Optical Fibers. International Journal of Optics, 2018, 2018, 1-11.	0.6	3
10	Soliton Interaction in Dispersion-Managed Fibers: Formation of the Soliton Molecule. , 2009, , .		0
11	Unique phase retrieval of ultrashort optical pulses with well-separated frequency components. , 2010, , .		0
12	A strategy to experimentally find bound states of dispersion managed solitons. , 2011, , .		0
13	Experimental observation of Raman-shifting soliton pairs. , 2011, , .		0
14	Experimental investigation of dispersion-managed soliton interaction. , 2012, , .		0
15	Improved Multiple Pulse Reconstruction from SHG FROG Spectrograms. , 2015, , .		0
16	Experimental observation of Raman-shifting soliton pairs. , 2011, , .		0
17	Existence regime of stable fiber-optic three-soliton molecules. , 2012, , .		0
18	Pulse shaping assisted investigation of interacting dispersion-managed solitons. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
19	Experimental Observation of Three-Soliton Molecules in Dispersion-Managed Fibers. , 2013, , .		0
20	Higher-Order Equilibrium States of Temporal Soliton Molecules. , 2014, , .		0
21	Multiple Equilibrium States of Soliton Molecules. , 2014, , .		0
22	Fiber-Optic Solitons with Gain and Loss. , 2018, , .		0