

Jean Toulouse

List of Publications by Year in descending order

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31
papers

668
citations

623734

14
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580821

25
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32
all docs

32
docs citations

32
times ranked

741
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal and optical properties of TeO ₂ -ZnO-BaO glasses. Journal of Non-Crystalline Solids, 2012, 358, 947-951.	3.1	122
2	Solid-core tellurite glass fiber for infrared and nonlinear applications. Optics Express, 2009, 17, 16716.	3.4	119
3	Fabrication and characterization of a water-free mid-infrared fluorotellurite glass. Optics Letters, 2011, 36, 740.	3.3	85
4	Translational and rotational mode coupling in disordered ferroelectric KTa _{1-x} NbxO ₃ studied by Raman spectroscopy. Journal of Physics and Chemistry of Solids, 2003, 64, 665-676.	4.0	31
5	Pretransitional diffuse neutron scattering in the mixed perovskite relaxor K _{1-x} Li _x TaO ₃ . Physical Review B, 2000, 62, 14736-14743.	3.2	30
6	Transmission Over 1050-km Few-Mode Fiber Based on Bidirectional Distributed Raman Amplification. Journal of Lightwave Technology, 2016, 34, 1864-1871.	4.6	29
7	Distributed Temperature Sensing System Based on Rayleigh Scattering BOTDA. IEEE Sensors Journal, 2011, 11, 399-403.	4.7	28
8	Tunable third-harmonic generation in a solid-core tellurite glass fiber. Optics Letters, 2011, 36, 3437.	3.3	26
9	Power Fluctuations of Intermodal Four-Wave Mixing in Few-Mode Fibers. Journal of Lightwave Technology, 2017, 35, 2429-2435.	4.6	24
10	All-optical switching in silicon photonic crystal waveguides by use of the plasma dispersion effect. Optics Letters, 2005, 30, 2254.	3.3	23
11	Extruded tellurite glass optical fiber preforms. Journal of Materials Processing Technology, 2010, 210, 2016-2022.	6.3	19
12	Preform fabrication and drawing of KNbO ₃ modified tellurite glass fibers. Journal of Non-Crystalline Solids, 2006, 352, 519-523.	3.1	17
13	Tb ³⁺ /Yb ³⁺ heavily-doped tellurite glasses with efficient green light emission. Journal of Non-Crystalline Solids, 2010, 356, 2896-2899.	3.1	17
14	Phonon modes and central peaks in an A_{1-g} -site relaxor: A low-frequency Raman study of sodium bismuth titanate. Physical Review B, 2014, 90, .	3.2	15
15	Viscosity study of the optical tellurite glass: 75TeO ₂ -20ZnO-5Na ₂ O. Journal of Non-Crystalline Solids, 2010, 356, 1354-1358.	3.1	11
16	Origin of the crossover between a freezing and a structural transition at low concentration in the relaxor ferroelectric $K_{1-x}Li_xTaO_3$. Physical Review B, 2000, 62, 14736-14743.	3.2	11
17	Nonlinear inter-core coupling in triple-core photonic crystal fibers. Optics Express, 2009, 17, 20272.	3.4	10
18	Piezoelectric polar nanoregions and relaxation-coupled resonances in relaxor ferroelectrics. Physical Review B, 2018, 98, .	3.2	10

#	ARTICLE	IF	CITATIONS
19	Performance of double sideband modulated probe wave in BOTDA distributed fiber sensor. Microwave and Optical Technology Letters, 2010, 52, 2713-2717.	1.4	9
20	Optically tunable silicon photonic crystal microcavities. Optics Express, 2006, 14, 4835.	3.4	6
21	Ultra-dry oxygen atmosphere to protect tellurite glass fiber from surface crystallization. Journal of Non-Crystalline Solids, 2010, 356, 525-528.	3.1	6
22	Nonlinear frequency conversion in bismuth-doped tellurite suspended core fiber. Optics Communications, 2011, 284, 3977-3979.	2.1	5
23	Multiscale dynamics in relaxor ferroelectrics. Europhysics Letters, 2014, 105, 17001.	2.0	5
24	Raman spectroscopy study of reduced strontium barium niobate (SBN61) and hints of supergrowth or intergrowth structures. Journal of Raman Spectroscopy, 2018, 49, 1849-1859.	2.5	4
25	Three-color nonlinear optical mixing for the determination of the refractive index dispersion of a tellurite glass. Applied Physics Letters, 2010, 97, 131104.	3.3	3
26	Measurements of frequency instabilities and slow random evolution of inter-modal four-wave mixing in few-mode fibers. , 2015, , .		2
27	Polarization dependence of SBS in small-core PCFs. , 2008, , .		1
28	Photonic Crystal Tapers for Coupling Large Ridge Waveguides to Photonic Crystal Waveguides. Materials Research Society Symposia Proceedings, 2003, 797, 156.	0.1	0
29	Tunable side coupled Silicon photonic crystal micro-cavities. , 2006, , .		0
30	Stimulated Brillouin Scattering (SBS) in Small Core Photonic Crystal Fibers (PCF). , 2007, , .		0
31	Acceleration of Slow-Light in a Brillouin Fiber Laser: pump power dependence of cavity modes. , 2008, , .		0