

Bertrand Menaert

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Linear and nonlinear optical properties of the piezoelectric crystal $\hat{\Gamma}$ -GeO ₂ . Optical Materials Express, 2021, 11, 3520.	3.0	1
2	Optical properties in the infrared range of the birefringent $\hat{\Gamma}$ -GeO ₂ single crystal. Materials Research Bulletin, 2020, 129, 110881.	5.2	7
3	High temperature piezoelectric properties of flux-grown $\hat{\Gamma}$ -GeO ₂ single crystal. Journal of Applied Physics, 2019, 126, .	2.5	13
4	Stabilization of domain structures in Rb-doped KTiOPO ₄ for high-temperature processes. Applied Physics Letters, 2019, 114, 052904.	3.3	3
5	Stability of the polar faces in KTiOPO ₄ crystalline layers grown by liquid phase epitaxy. CrystEngComm, 2018, 20, 7502-7506.	2.6	2
6	Bulk cylinders and spheres: from shaping to the use for linear and nonlinear optics. Optical Materials Express, 2017, 7, 3017.	3.0	8
7	Shaping and use of crystals as spheres and cylinders for linear and nonlinear optics. , 2017, , .		0
8	Phase-matching directions and refined Sellmeier equations of the monoclinic acentric crystal BaGa ₄ Se ₇ . Optics Letters, 2016, 41, 2731.	3.3	41
9	Intrinsic ionic screening of the ferroelectric polarization of KTP revealed by second-harmonic generation microscopy. Optical Materials Express, 2016, 6, 137.	3.0	9
10	Dielectric frame, Sellmeier equations, and phase-matching properties of the monoclinic acentric crystal GdCa ₄ O(BO ₃) ₃ . Optics Letters, 2016, 41, 5290.	3.3	6
11	Phase-Matching Properties of the Monoclinic Crystal BaGa ₄ Se ₇ . , 2016, , .		0
12	Thermal stability of ferroelectric domain gratings in Rb-doped KTP. Applied Physics Letters, 2015, 107, .	3.3	8
13	Phase-matching directions, refined Sellmeier equations, and second-order nonlinear coefficient of the infrared Langatate crystal La ₃ Ga ₅ Ta ₅ O ₁₄ . Optics Letters, 2014, 39, 4033.	3.3	32
14	High-temperature Elastic Moduli of Flux-grown $\hat{\Gamma}$ -GeO ₂ Single Crystal. ChemPhysChem, 2014, 15, 118-125.	2.1	18
15	Top Seeded Solution Growth and Structural Characterizations of $\hat{\Gamma}$ -Quartz-like Structure GeO ₂ Single Crystal. Crystal Growth and Design, 2013, 13, 4220-4225.	3.0	19
16	Vibrational Origin of the Thermal Stability in the Highly Distorted $\hat{\Gamma}$ -Quartz-Type Material GeO ₂ : An Experimental and Theoretical Study. Inorganic Chemistry, 2013, 52, 7271-7279.	4.0	19
17	Widely tunable optical parametric oscillator in a 5Åmm thick 5% MgO:PPLN partial cylinder. Optics Letters, 2013, 38, 860.	3.3	27
18	Bulk PPKTP by crystal growth from high temperature PPKTP solution. Journal of Crystal Growth, 2012, 360, 52-55.	1.5	2

#	ARTICLE	IF	CITATIONS
19	Phase-matching properties and refined Sellmeier equations of the new nonlinear infrared crystal CdSiP ₂ . Optics Letters, 2011, 36, 1800.	3.3	19
20	Template-growth of periodically domain-structured KTiOPO ₄ [Invited]. Optical Materials Express, 2011, 1, 185.	3.0	10
21	Brillouin Spectroscopy, Calculated Elastic and Bond Properties of GaAsO ₄ . Inorganic Chemistry, 2010, 49, 9470-9478.	4.0	13
22	Rotation of the absorption frame as a function of the electronic transition in the Nd ³⁺ :YCa ₄ O(BO ₃) ₃ monoclinic crystal. Optics Express, 2010, 18, 19169.	3.4	4
23	Angular quasi-phase-matching experiments and determination of accurate Sellmeier equations for 5%MgO:PPLN. Optics Letters, 2009, 34, 2578.	3.3	18
24	Singular topology of optical absorption in biaxial crystals. Optics Express, 2009, 17, 19868.	3.4	13
25	Characterizations of piezoelectric GaPO ₄ single crystals grown by the flux method. Journal of Crystal Growth, 2008, 310, 1455-1459.	1.5	19
26	State of the art of the sphere method, a unique characterization technique for non-linear crystals. Research on Chemical Intermediates, 2008, 34, 217-228.	2.7	1
27	Absorption and fluorescence anisotropies of monoclinic crystals : the case of Nd:YCOB. Optics Express, 2008, 16, 7997.	3.4	26
28	Hemisphere m-line spectroscopy and its application to birefringent KTiOPO ₄ planar waveguides. Optics Communications, 2007, 270, 229-232.	2.1	3
29	Refractive indices determination of a small-size nonlinear biaxial crystal by use of double-refraction measurements with a laser beam. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 852.	2.1	7
30	Growth and thermodynamic characterization of pure and Er-doped KPb ₂ Cl ₅ . Journal of Crystal Growth, 2006, 286, 324-333.	1.5	22
31	Spheres and cylinders in parametric nonlinear optics. Optical Materials, 2004, 26, 459-464.	3.6	4
32	Continuous tuning of a microlaser-pumped optical parametric generator by use of a cylindrical periodically poled lithium niobate crystal. Optics Letters, 2003, 28, 1028.	3.3	24
33	Widely and continuously tunable optical parametric oscillator based on a cylindrical periodically poled KTiOPO ₄ crystal. Optics Letters, 2001, 26, 1882.	3.3	47
34	Phase-matching measurements and Sellmeier equations over the complete transparency range of KTiOAsO ₄ , RbTiOAsO ₄ , and CsTiOAsO ₄ . Journal of the Optical Society of America B: Optical Physics, 2000, 17, 775.	2.1	37