

Alain Maillard

List of Publications by Year in descending order

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47
papers

445
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687363

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752698

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g-index

48
all docs

48
docs citations

48
times ranked

448
citing authors

#	ARTICLE	IF	CITATIONS
1	Esr identification of Fe containing defects in BaTiO ₃ . Ferroelectrics, 1989, 92, 245-252.	0.6	46
2	Assignment of the Raman lines in single crystal barium metaborate. Journal of Physics Condensed Matter, 1998, 10, 673-681.	1.8	39
3	Nonlinear optical properties of Ca ₅ (BO ₃) ₃ F crystal. Optics Express, 2008, 16, 17735.	3.4	37
4	Impact of the sublinear photoconductivity law on the interpretation of holographic results in BaTiO ₃ . Applied Physics A: Solids and Surfaces, 1989, 49, 259-268.	1.4	30
5	Absolute non-linear optical coefficients measurements of BBO single crystal and determination of angular acceptance by second harmonic generation. Optical Materials, 2003, 22, 163-169.	3.6	30
6	Single crystal growth of BaZrO ₃ from the melt at 2700 Å°C using optical floating zone technique and growth prospects from BaB ₂ O ₄ flux at 1350 Å°C. CrystEngComm, 2019, 21, 502-512.	2.6	25
7	Influence of oxygen vacancies on the photorefractive effect in barium titanate single crystals. Ferroelectrics, 1990, 108, 147-152.	0.6	20
8	Absolute non-linear optical coefficients of LiNbO ₃ for near stoichiometric crystal compositions. Optical Materials, 2003, 22, 171-174.	3.6	20
9	Infrared spectroscopy of hydrogen centers in undoped and iron-doped BaTiO ₃ crystals. Journal of Physics and Chemistry of Solids, 1989, 50, 623-627.	4.0	19
10	Raman scattering and non-linear optical properties in Li ₂ B ₄ O ₇ . Journal of Physics Condensed Matter, 2005, 17, 7441-7454.	1.8	19
11	Algebraic value of the electrooptic coefficients and nature of charge carriers in batio ₃ single crystals. Ferroelectrics, 1989, 94, 81-85.	0.6	17
12	Percolation-type multi-phonon pattern of Zn(Se,S): Backward/forward Raman scattering and ab initio calculations. Journal of Alloys and Compounds, 2015, 644, 704-720.	5.5	16
13	Near-forward Raman study of a phonon-polariton reinforcement regime in the Zn(Se,S) alloy. Journal of Applied Physics, 2014, 116, 083511.	2.5	13
14	Near-forward Raman scattering by bulk and surface phonon-polaritons in the model percolation-type ZnBeSe alloy. Applied Physics Letters, 2013, 103, .	3.3	12
15	Absolute non-linear optical coefficients measurements of CsLiB ₆ O ₁₀ single crystals by second harmonic generation. Optical Materials, 2003, 24, 431-435.	3.6	11
16	Search for compounds of the NaBaR(BO ₃) ₂ family (R = La, Nd, Gd, and Yb) and the new NaBaYb(BO ₃) ₂ orthoborate. Crystallography Reports, 2013, 58, 54-60.	0.6	10
17	Growth of the complex borates Y _x R _y Sc _{2+z} (BO ₃) ₄ (R = Nd, Pr, x + y + z = 2) with huntite structure. Crystal Research and Technology, 2017, 52, 1600371.	1.3	9
18	Growth and characterization of Ca ₅ (BO ₃) ₃ F fiber crystals, a new nonlinear optical material for UV light generation. Optical Materials, 2011, 33, 1621-1625.	3.6	8

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19	Accurate interferometric method for the measurement of electro-optic coefficients: application to a single \hat{I}^2 -barium borate crystal. Journal of the Optical Society of America B: Optical Physics, 2000, 17, 1158.	2.1	7
20	Growth and dichroic properties of LiBa ₁₂ (BO ₃) ₇ F ₄ crystal. Crystal Research and Technology, 2016, 51, 530-533.	1.3	6
21	Growth and optical properties of Yb ³⁺ and Tb ³⁺ codoped BaB ₂ O ₄ crystals. Optics Communications, 2012, 285, 5205-5209.	2.1	5
22	Impact of BaB ₂ O ₄ growth method on frequency conversion to the deep ultra-violet. Solid State Sciences, 2015, 50, 97-100.	3.2	5
23	Synthesis of New Isostructural Orthoborates NaBaR(BO ₃) ₂ with R = Tb, Dy, Ho, Er, Tm and Lu. Materials Research, 2016, 19, 834-838.	1.3	5
24	Near-forward/high-pressure-backward Raman study of Zn _{1-x} Be _x Se (0 ≤ x ≤ 0.5) - evidence for percolation behavior of the long (Zn-Se) bond. Journal of Raman Spectroscopy, 2016, 47, 357-367.	2.5	5
25	Multi-phonon (percolation) behavior and local clustering of Cd _{1-x} Zn _x Se-cubic mixed crystals (0 ≤ x ≤ 0.3): A Raman study. Journal of Applied Physics, 2019, 126, .	2.5	5
26	Elastic Properties of Li ₂ B ₄ O ₇ Single Crystal Determined From Piezoelectric Resonance. Phase Transitions, 2002, 75, 631-637.	1.3	4
27	Crystal defects revealed by Schlieren photography and chemical etching in nonlinear single crystal LYSB. Optical Materials Express, 2011, 1, 1569.	3.0	4
28	Visible and UV effective non-linear optical coefficients of \hat{I}^2 -BaB ₂ O ₄ as function of the growth technique. Optical Materials, 2009, 31, 899-901.	3.6	3
29	Near-forward Raman selection rules for the phonon-polariton in (Zn, Be)Se alloys. Journal of Applied Physics, 2016, 120, .	2.5	3
30	Defect similitude in LYSB and YAB crystals and ONL characterization. , 2014, , .		3
31	Croissance en surfusion de mÃ©taborate de baryum par la mÃ©thode Czochralski. European Physical Journal Special Topics, 2003, 108, 75-78.	0.2	2
32	Defect-induced ultimately fast volume phonon-polaritons in the wurtzite Zn _{0.74} Mg _{0.26} Se mixed crystal. Scientific Reports, 2019, 9, 7817.	3.3	2
33	Growth and optical properties of LiTm(WO ₄) ₂ crystal. Journal of Alloys and Compounds, 2019, 794, 21-25.	5.5	2
34	Absolute non-linear optical coefficients of \hat{I}^2 BaB ₂ O ₄ crystals measurement by Second Harmonic Generation. Ferroelectrics, 2000, 238, 263-271.	0.6	1
35	Determination of the Elastic Properties of a Li ₂ B ₄ O ₇ Single Crystal from the Piezoelectric Resonance. Ferroelectrics, 2002, 273, 285-290.	0.6	1
36	Theoretical efficiencies and angular acceptances of \hat{I}^2 BaB ₂ O ₄ (BBO) crystals in second and fourth harmonic generation. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
37	Effect of an applied electric field on the diffraction efficiency of undoped and iron doped barium titanate samples. <i>Ferroelectrics</i> , 1989, 92, 317-317.	0.6	0
38	Light Sensitive Lattice Defects In BaTiO ₃ Containing Fe. <i>Proceedings of SPIE</i> , 1989, 1018, 33.	0.8	0
39	Effect Of An Applied Electric Field On Photorefractive BaTiO ₃ Crystals. , 1989, 1017, 223.		0
40	Growth of Ba _{1-x} Sr _x TiO ₃ and doped BaTiO ₃ single crystals by the method of floating zone in a thermal image furnace. <i>Acta Physica Hungarica</i> , 1991, 70, 237-241.	0.1	0
41	Experimental Determination of the Electro-Optic Coefficients in BaTiO ₃ :Rh at 633 nm and 850 nm. <i>Ferroelectrics</i> , 2003, 296, 47-56.	0.6	0
42	Absolute Effective Non-Linear Coefficient and Angular Acceptance Measurements in LTB by Second Harmonic Generation. <i>Ferroelectrics</i> , 2003, 296, 99-108.	0.6	0
43	Characterization of AYSB (A=La, Nd, Pr) nonlinear optical crystals. , 2013, , .		0
44	Experimental Determination of the Electro-Optic Coefficients in BaTiO ₃ :Rh at 633 nm and 850 nm. <i>Ferroelectrics</i> , 2003, 296, 47-56.	0.6	0
45	Considerations of Angular Acceptance and Non-Linear Optical Coefficient Measurements by Second Harmonic Generation in LiNbO ₃ Crystals. <i>Ferroelectrics</i> , 2003, 296, 57-66.	0.6	0
46	Crystal growth and optical properties of LYSB. , 2011, , .		0
47	Flux-Free Growth of $\hat{\Gamma}^2$ Barium Metaborate Single-Crystal Fibers by Micro-Pulling-Down Technique. <i>Crystal Growth and Design</i> , 0, , .	3.0	0