

Alain Maillard

List of Publications by Year in descending order

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docs citations

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times ranked

448
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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Multi-phonon (percolation) behavior and local clustering of Cd _x Zn _{1-x} Se-cubic mixed crystals (x=0.3): A Raman ab initio study. Journal of Applied Physics, 2019, 126, . | 2.5 | 5 |
| 2 | 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 |
| 3 | 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 |
| 4 | Growth and optical properties of LiTm(WO ₄) ₂ crystal. Journal of Alloys and Compounds, 2019, 794, 21-25. | 5.5 | 2 |
| 5 | 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 |
| 6 | 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 |
| 7 | Near-forward/high-pressure-backward Raman study of Zn _{1-x} Be _x Se (x=0.5) - evidence for percolation behavior of the long (Zn-Be) bond. Journal of Raman Spectroscopy, 2016, 47, 357-367. | 2.5 | 5 |
| 8 | Near-forward Raman selection rules for the phonon-polariton in (Zn, Be)Se alloys. Journal of Applied Physics, 2016, 120, . | 2.5 | 3 |
| 9 | Growth and dichroic properties of LiBa ₁₂ (BO ₃) ₇ F ₄ crystal. Crystal Research and Technology, 2016, 51, 530-533. | 1.3 | 6 |
| 10 | Percolation-type multi-phonon pattern of Zn(S _e ,S): Backward/forward Raman scattering and ab initio calculations. Journal of Alloys and Compounds, 2015, 644, 704-720. | 5.5 | 16 |
| 11 | 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 |
| 12 | Theoretical efficiencies and angular acceptances of \hat{I}^2 BaB ₂ O ₄ (BBO) crystals in second and fourth harmonic generation. , 2014, , . | | 1 |
| 13 | Near-forward Raman study of a phonon-polariton reinforcement regime in the Zn(S _e ,S) alloy. Journal of Applied Physics, 2014, 116, 083511. | 2.5 | 13 |
| 14 | Defect similitude in LYSB and YAB crystals and ONL characterization. , 2014, , . | | 3 |
| 15 | 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 |
| 16 | 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 |
| 17 | Characterization of AYSB (A=La, Nd, Pr) nonlinear optical crystals. , 2013, , . | | 0 |
| 18 | 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 |

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|----|--|-----|-----------|
| 19 | Crystal defects revealed by Schlieren photography and chemical etching in nonlinear single crystal LYSB. Optical Materials Express, 2011, 1, 1569. | 3.0 | 4 |
| 20 | 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 |
| 21 | Crystal growth and optical properties of LYSB. , 2011, , . | | 0 |
| 22 | Visible and UV effective non-linear optical coefficients of $\hat{1}^2$ -BaB ₂ O ₄ as function of the growth technique. Optical Materials, 2009, 31, 899-901. | 3.6 | 3 |
| 23 | Nonlinear optical properties of Ca ₅ (BO ₃) ₃ F crystal. Optics Express, 2008, 16, 17735. | 3.4 | 37 |
| 24 | 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 |
| 25 | 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 |
| 26 | Absolute non-linear optical coefficients of LiNbO ₃ for near stoichiometric crystal compositions. Optical Materials, 2003, 22, 171-174. | 3.6 | 20 |
| 27 | 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 |
| 28 | Experimental Determination of the Electro-Optic Coefficients in BaTiO ₃ :Rh at 633 nm and 850 nm. Ferroelectrics, 2003, 296, 47-56. | 0.6 | 0 |
| 29 | Absolute Effective Non-Linear Coefficient and Angular Acceptance Measurements in LTB by Second Harmonic Generation. Ferroelectrics, 2003, 296, 99-108. | 0.6 | 0 |
| 30 | 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 |
| 31 | Experimental Determination of the Electro-Optic Coefficients in BaTiO ₃ :Rh at 633 nm and 850 nm. Ferroelectrics, 2003, 296, 47-56. | 0.6 | 0 |
| 32 | Considerations of Angular Acceptance and Non-Linear Optical Coefficient Measurements by Second Harmonic Generation in LiNbO ₃ Crystals. Ferroelectrics, 2003, 296, 57-66. | 0.6 | 0 |
| 33 | 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 |
| 34 | Elastic Properties of Li ₂ B ₄ O ₇ Single Crystal Determined From Piezoelectric Resonance. Phase Transitions, 2002, 75, 631-637. | 1.3 | 4 |
| 35 | Absolute non-linear optical coefficients of $\hat{1}^2$ BaB ₂ O ₄ crystals measurement by Second Harmonic Generation. Ferroelectrics, 2000, 238, 263-271. | 0.6 | 1 |
| 36 | Accurate interferometric method for the measurement of electro-optic coefficients: application to a single $\hat{1}^2$ -barium borate crystal. Journal of the Optical Society of America B: Optical Physics, 2000, 17, 1158. | 2.1 | 7 |

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|----|---|-----|-----------|
| 37 | Assignment of the Raman lines in single crystal barium metaborate. Journal of Physics Condensed Matter, 1998, 10, 673-681. | 1.8 | 39 |
| 38 | Growth of $Ba_{1-x}Sr_xTiO_3$ and doped $BaTiO_3$ single crystals by the method of floating zone in a thermal image furnace. Acta Physica Hungarica, 1991, 70, 237-241. | 0.1 | 0 |
| 39 | Influence of oxygen vacancies on the photorefractive effect in barium titanate single crystals. Ferroelectrics, 1990, 108, 147-152. | 0.6 | 20 |
| 40 | Algebraic value of the electrooptic coefficients and nature of charge carriers in $BaTiO_3$ single crystals. Ferroelectrics, 1989, 94, 81-85. | 0.6 | 17 |
| 41 | Esr identification of Fe containing defects in $BaTiO_3$. Ferroelectrics, 1989, 92, 245-252. | 0.6 | 46 |
| 42 | 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 |
| 43 | 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 |
| 44 | Effect of an applied electric field on the diffraction efficiency of undoped and iron doped barium titanate samples. Ferroelectrics, 1989, 92, 317-317. | 0.6 | 0 |
| 45 | Light Sensitive Lattice Defects In $BaTiO_3$ Containing Fe. Proceedings of SPIE, 1989, 1018, 33. | 0.8 | 0 |
| 46 | Effect Of An Applied Electric Field On Photorefractive $BaTiO_3$ Crystals. , 1989, 1017, 223. | | 0 |
| 47 | Flux-Free Growth of \hat{I}^2 Barium Metaborate Single-Crystal Fibers by Micro-Pulling-Down Technique. Crystal Growth and Design, 0, , . | 3.0 | 0 |