

# Michel Aillerie

## List of Publications by Year in descending order

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225  
papers

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228  
docs citations

228  
times ranked

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citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Electro-optic properties in pure LiNbO <sub>3</sub> crystals from the congruent to the stoichiometric composition. <i>Journal of Applied Physics</i> , 1998, 84, 2251-2254.                                       | 1.1 | 120       |
| 2  | Effect of Illumination Intensity on Solar Cells Parameters. <i>Energy Procedia</i> , 2013, 36, 722-729.   | 1.8 | 119       |
| 3  | Band structure treatment of the influence of nonstoichiometric defects on optical properties in LiNbO <sub>3</sub> . <i>Journal of Applied Physics</i> , 2001, 90, 5542-5549.                                     | 1.1 | 99        |
| 4  | Measurement of the electro-optic coefficients: description and comparison of the experimental techniques. <i>Applied Physics B: Lasers and Optics</i> , 2000, 70, 317-334.  | 1.1 | 90        |
| 5  | A Review of DC Microgrid Energy Management Systems Dedicated to Residential Applications. <i>Energies</i> , 2021, 14, 4308.   | 1.6 | 90        |
| 6  | Influence of Zn doping on electrooptical properties and structure parameters of lithium niobate crystals. <i>Applied Physics B: Lasers and Optics</i> , 1999, 68, 795-799.  | 1.1 | 80        |
| 7  | Morphological and Optical Properties of ZnO Thin Films Prepared by Spray Pyrolysis on Glass Substrates at Various Temperatures for Integration in Solar Cell. <i>Energy Procedia</i> , 2015, 74, 529-538.         | 1.8 | 80        |
| 8  | Dynamic behaviour of PV generator trackers under irradiation and temperature changes. <i>Solar Energy</i> , 2011, 85, 2953-2964.  | 2.9 | 79        |
| 9  | Nonstoichiometric Defects and Optical Properties in LiNbO <sub>3</sub> . <i>Journal of Physical Chemistry B</i> , 2001, 105, 12242-12248.   | 1.2 | 71        |
| 10 | Influence of Non-Stoichiometric Defects on Optical Properties in LiNbO <sub>3</sub> . <i>Crystal Research and Technology</i> , 2001, 36, 577-588.   | 0.6 | 65        |
| 11 | Influence of the temperature-dependent spontaneous birefringence in the electro-optic measurements of LiNbO <sub>3</sub> . <i>Journal of Applied Physics</i> , 1989, 65, 2406-2408.                               | 1.1 | 63        |
| 12 | Multi input-output fuzzy logic smart controller for a residential hybrid solar-wind-storage energy system. <i>Energy Conversion and Management</i> , 2017, 148, 238-250.  | 4.4 | 58        |
| 13 | Effect of tin doping on optical properties of nanostructured ZnO thin films grown by spray pyrolysis technique. <i>Journal of Alloys and Compounds</i> , 2014, 616, 312-318.                                      | 2.8 | 56        |
| 14 | Optical damage resistance in undoped LiNbO <sub>3</sub> crystals. <i>Optical Materials</i> , 2001, 16, 111-117.   | 1.7 | 51        |
| 15 | Comparison of Two Common Maximum Power Point Trackers by Simulating of PV Generators. <i>Energy Procedia</i> , 2011, 6, 678-687.  | 1.8 | 49        |
| 16 | Comparative performance of PV panels of different technologies over one year of exposure: Application to a coastal Mediterranean region of Algeria. <i>Energy Conversion and Management</i> , 2016, 114, 356-363. | 4.4 | 47        |
| 17 | Frequency and wavelength dependences of electro-optic coefficients in inorganic crystals. <i>Applied Physics B: Lasers and Optics</i> , 2003, 76, 765-769.  | 1.1 | 46        |
| 18 | Solar Cells Parameters Evaluation from Dark I-V Characteristics. <i>Energy Procedia</i> , 2012, 18, 1601-1610.  | 1.8 | 45        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Structural, Optical and Electrical Properties of Sn-doped Zinc Oxide Transparent Films Interesting for Organic Solar Cells (OSCs). Energy Procedia, 2015, 74, 539-546.                                    | 1.8 | 38        |
| 20 | Influence of the Thickness on Optical Properties of Sprayed ZnO Hole-blocking Layers Dedicated to Inverted Organic Solar Cells. Energy Procedia, 2014, 50, 603-609.                                       | 1.8 | 36        |
| 21 | Improvement of safety, longevity and performance of lead acid battery in off-grid PV systems. International Journal of Hydrogen Energy, 2017, 42, 3466-3478.  | 3.8 | 36        |
| 22 | Electro-optic properties in Fe-doped LiNbO <sub>3</sub> crystals as a function of composition. Optics Communications, 2000, 176, 261-265.   | 1.0 | 35        |
| 23 | Coexistence of Li and Nb vacancies in the defect structure of pure LiNbO <sub>3</sub> and its relationship to optical properties. Applied Physics A: Materials Science and Processing, 2006, 83, 427-434. | 1.1 | 35        |
| 24 | Photovoltaic Cell/Panel/Array Characterizations and Modeling Considering Both Reverse and Direct Modes. Energy Procedia, 2011, 6, 695-703.  | 1.8 | 35        |
| 25 | Electro-optic properties in undoped and Cr-doped LiNbO <sub>3</sub> crystals. Applied Physics B: Lasers and Optics, 1998, 67, 65-71.  | 1.1 | 34        |
| 26 | Optical, electrical and structural properties of nano-pyramidal ZnO films grown on glass substrate by spray pyrolysis technique. Optical Materials, 2014, 36, 1123-1130.                                  | 1.7 | 33        |
| 27 | New architecture for high efficiency DC-DC converter dedicated to photovoltaic conversion. Energy Procedia, 2011, 6, 688-694.   | 1.8 | 32        |
| 28 | Defect structure in Mg-doped LiNbO <sub>3</sub> : Revisited study. Journal of Applied Physics, 2009, 106, 033519.   | 1.1 | 30        |
| 29 | Water density and polarizability deduced from the refractive index determined by interferometric measurements up to 250 MPa. Journal of Chemical Physics, 2012, 136, 124201.                              | 1.2 | 29        |
| 30 | Electro-optic and dielectric properties of Hafnium-doped congruent lithium niobate crystals. Applied Physics B: Lasers and Optics, 2008, 92, 603.   | 1.1 | 26        |
| 31 | New material with strong electro-optic effect: Rubidium hydrogen selenate (RbHSeO <sub>4</sub> ). Applied Physics Letters, 1994, 64, 1920-1922.   | 1.5 | 25        |
| 32 | Contribution to the Quantification of Solar Radiation in Algeria. Energy Procedia, 2013, 36, 730-737.   | 1.8 | 25        |
| 33 | A frequency doubling electro-optic modulation system for Pockels effect measurements: Application in LiNbO <sub>3</sub> . Review of Scientific Instruments, 1997, 68, 2138-2143.                          | 0.6 | 23        |
| 34 | Electro-optic and dielectric properties of Zirconium-doped congruent lithium niobate crystals. Optical Materials Express, 2014, 4, 179.   | 1.6 | 23        |
| 35 | Frequency dispersion of electro-optical properties over a wide range by means of time-response analysis. Applied Optics, 2003, 42, 2346.  | 2.1 | 22        |
| 36 | Suppression of photorefractive damage with aid of steady-state temperature gradient in nominally pure LiNbO <sub>3</sub> crystals. Journal of Applied Physics, 2008, 104, 114104.                         | 1.1 | 22        |

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|----|---|-----|-----------|
| 37 | Photorefractive Damage in congruent LiNbO <sub>3</sub> . Part I. Zinc doped Lithium Niobate Crystals. Journal of Physics: Conference Series, 2013, 416, 012001.   | 0.3 | 22        |
| 38 | Influence of chromium doping on the electro-optic properties of lithium niobate. Optics Communications, 1997, 136, 231-234.   | 1.0 | 21        |
| 39 | Efficiency of magnetic coupled boost DC-DC converters mainly dedicated to renewable energy systems: influence of the coupling factor. International Journal of Circuit Theory and Applications, 2015, 43, 1042-1062.                              | 1.3 | 21        |
| 40 | Quantitative evaluation of the electro-optic effect and second-order optical nonlinearity of lithium tantalate crystals of different compositions using Raman and infrared spectroscopy. Applied Physics B: Lasers and Optics, 2006, 82, 423-430. | 1.1 | 18        |
| 41 | Experimental protocol and critical assessment of the Pockels method for the measurement of surface charging in a dielectric barrier discharge. Journal Physics D: Applied Physics, 2008, 41, 135204.  | 1.3 | 18        |
| 42 | First principle study of structural stability, electronic structure and optical properties of Ga doped ZnO with different concentrations. Materials Research Express, 2017, 4, 035901.  | 0.8 | 18        |
| 43 | Z-scan study of nonlinear absorption in reduced LiNbO <sub>3</sub> crystals. Journal of Applied Physics, 2012, 111, 103504.   | 1.1 | 17        |
| 44 | Powerline Communication (PLC) on HVDC Bus in a Renewable Energy System. Energy Procedia, 2013, 36, 657-666.   | 1.8 | 17        |
| 45 | Three-Phases Flying-Capacitor Multilevel Inverter with Proportional Natural PWM Control. Energy Procedia, 2015, 74, 1061-1070.  | 1.8 | 17        |
| 46 | Luminescence of in lithium niobate: influence of the chromium concentration and crystal composition. Journal of Physics Condensed Matter, 1998, 10, 1137-1146.  | 0.7 | 16        |
| 47 | The effect of reverse current on the dark properties of photovoltaic solar modules. Energy Procedia, 2011, 6, 743-749.  | 1.8 | 16        |
| 48 | Push-pull Converter for High Efficiency Photovoltaic Conversion. Energy Procedia, 2012, 18, 1583-1592.  | 1.8 | 16        |
| 49 | Structural, electrical and optical properties of Al-Sn codoped ZnO transparent conducting layer deposited by spray pyrolysis technique. Superlattices and Microstructures, 2017, 111, 714-721.  | 1.4 | 16        |
| 50 | Influence of Al-doped ZnO Transparent Contacts Deposited by a Spray Pyrolysis Technique on Performance of HIT Solar Cells. Energy Procedia, 2014, 50, 853-861.  | 1.8 | 15        |
| 51 | Universal Transistor-based hardware SIMulator for real time simulation of photovoltaic generators. Solar Energy, 2016, 134, 193-201.  | 2.9 | 15        |
| 52 | Accurate measurements of the electro-optic coefficients and birefringence changes using an external modulation signal. Review of Scientific Instruments, 2000, 71, 1627-1634.   | 0.6 | 14        |
| 53 | Influence of the dopant concentration on the OH <sup>-</sup> absorption band in Fe-doped LiNbO <sub>3</sub> single-crystal fibers. Optical Materials, 2003, 21, 775-781.  | 1.7 | 14        |
| 54 | High Efficiency Step-Up HVDC Converter for Photovoltaic Generator. Energy Procedia, 2012, 18, 1593-1600.  | 1.8 | 14        |

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|----|---|-----|-----------|
| 55 | Environmental Effects on the Performance of Nanocrystalline Silicon Solar Cells. Energy Procedia, 2012, 18, 1611-1623.  | 1.8 | 14        |
| 56 | High Efficiency DC-DC Converters Including a Performed Recovering Leakage Energy Switch. Energy Procedia, 2013, 36, 642-649.  | 1.8 | 14        |
| 57 | Photovoltaic panels characterization and experimental testing. Energy Procedia, 2017, 119, 945-952.   | 1.8 | 14        |
| 58 | Measurement of quadratic electrooptic coefficients in LiNbO <sub>3</sub> using a variation of the FDEOM method. Optical and Quantum Electronics, 1994, 26, 1043-1059.                               | 1.5 | 13        |
| 59 | Solar Cells Electrical Behavior under Thermal Gradient. Energy Procedia, 2013, 36, 1249-1254.   | 1.8 | 13        |
| 60 | Capacitance evolution of PV solar modules under thermal stress. Energy Procedia, 2017, 119, 702-708.  | 1.8 | 13        |
| 61 | DiP223: Strongly temperature dependent electro-optic coefficients in BaTiO <sub>3</sub> . Ferroelectrics, 1992, 133, 175-180.   | 0.3 | 12        |
| 62 | R&inf&gt;dson&lt;/inf&gt; behavior in various MOSFET families. , 2011, , .  |     | 12        |
| 63 | Faulty PV panel identification using the Design of Experiments (DoE) method. International Journal of Electrical Power and Energy Systems, 2014, 57, 31-38.   | 3.3 | 12        |
| 64 | Optimization by simulation of the nature of the buffer, the gap profile of the absorber and the thickness of the various layers in CZTSSe solar cells. Materials Research Express, 2017, 4, 115503. | 0.8 | 12        |
| 65 | Comparative Study of Composition Dependences of Photorefractive and Related Effects in LiNbO <sub>3</sub> and LiTaO <sub>3</sub> Crystals. Ferroelectrics, 2007, 352, 61-71.                        | 0.3 | 11        |
| 66 | Self-compensation of optical damage in reduced nominally pure LiNbO <sub>3</sub> crystals. Journal of Applied Physics, 2010, 107, .   | 1.1 | 11        |
| 67 | Micro-controlled Pulse Width Modulator Inverter for Renewable Energy Generators. Energy Procedia, 2014, 50, 832-840.  | 1.8 | 11        |
| 68 | Performance in Feasibility Studies of Micro Hydro Power Plants. New Software Development and Application Cases in Cameroon.. Energy Procedia, 2019, 157, 1391-1403.                                 | 1.8 | 11        |
| 69 | Output Voltage Changes in PV Solar Modules after Electrical and Thermal Stresses. Experimental Analysis.. Energy Procedia, 2019, 157, 1404-1411.  | 1.8 | 11        |
| 70 | Thermo-optic effects in electro-optic crystals used in an intensity-modulation system. " Application in LiTaO <sub>3</sub> . Applied Physics B: Lasers and Optics, 2006, 83, 609-617.               | 1.1 | 10        |
| 71 | Experimental Validation of Photovoltaic Direct and Reverse Mode Model. Influence of Partial Shading. Energy Procedia, 2012, 18, 1247-1253.  | 1.8 | 10        |
| 72 | Self-powered High Efficiency Coupled Inductor Boost Converter for Photovoltaic Energy Conversion. Energy Procedia, 2013, 36, 650-656.   | 1.8 | 10        |

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|----|--|-----|-----------|
| 73 | Green up-converted luminescence in (Er <sup>3+</sup> +Yb <sup>3+</sup> ) co-doped LiNbO <sub>3</sub> crystals. Optical Materials, 2016, 57, 79-84.   | 1.7 | 10        |
| 74 | The Effect of Electrical stress under temperature in the characteristics of PV Solar Modules. Energy Procedia, 2017, 119, 579-601.   | 1.8 | 10        |
| 75 | Spectroscopic and mechanical properties of PVC plasticized by bio-plasticizer ESO. Journal of Polymer Research, 2020, 27, 1.   | 1.2 | 10        |
| 76 | Raman spectroscopy study of compositional inhomogeneity in Lithium tantalate crystals. Applied Physics B: Lasers and Optics, 2009, 95, 125-130.  | 1.1 | 9         |
| 77 | Integration of individual DC/DC converters in a renewable energy distributed architecture. , 2012, , .   |     | 9         |
| 78 | Third column electro-optical coefficients of zirconium-doped congruent lithium niobate crystals. Optical Materials, 2014, 36, 1238-1242.   | 1.7 | 9         |
| 79 | DC Power-line Communication based Network Architecture for HVDC Distribution of a Renewable Energy System. Energy Procedia, 2014, 50, 147-154.   | 1.8 | 9         |
| 80 | Influence of Zr on Structure and Dielectric Behavior of BaTiO <sub>3</sub> ; Ceramics. Indian Journal of Science and Technology, 2015, 8, .  | 0.5 | 9         |
| 81 | Technical and Economic Sizing of the Energy Storage in an Autonomous Hybrid Power Generator for Rural Electrification in Sub-equatorial Area of Africa. Energy Procedia, 2015, 74, 707-717.  | 1.8 | 9         |
| 82 | Comparison of Two PV Modules Technologies Using Analytical and Experimental Methods. Energy Procedia, 2015, 74, 389-397.   | 1.8 | 9         |
| 83 | Factorial design and response surface optimization for modeling photovoltaic module parameters. Energy Reports, 2020, 6, 299-309.  | 2.5 | 9         |
| 84 | Accurate Measurement Of The Electro-Optic Coefficients : Application To LiNbO <sub>3</sub> . Proceedings of SPIE, 1989, 1018, 94.  | 0.8 | 8         |
| 85 | Photoinduced Raman scattering in nominally pure lithium niobate crystals. Optical Materials, 2001, 18, 127-130.  | 1.7 | 8         |
| 86 | Ternary system Li <sub>2</sub> O-K <sub>2</sub> O-Nb <sub>2</sub> O <sub>5</sub> : Re-examination of the 30mol% K <sub>2</sub> O isopleth and growth of fully stoichiometric potassium lithium niobate single crystals by the micro-pulling down technique. Journal of Crystal Growth, 2009, 311, 4343-4349. | 0.7 | 8         |
| 87 | Growth and characterization of Ca <sub>5</sub> (BO <sub>3</sub> ) <sub>3</sub> F fiber crystals, a new nonlinear optical material for UV light generation. Optical Materials, 2011, 33, 1621-1625.   | 1.7 | 8         |
| 88 | Forecasting the PV Panel Operating Conditions Using the Design of Experiments Method. Energy Procedia, 2013, 36, 479-487.  | 1.8 | 8         |
| 89 | Surface oxidation and phase transformation of the stainless steel by hybrid laser-waterjet impact. Materials Research Express, 2014, 1, 036501.  | 0.8 | 8         |
| 90 | Technical and Economic Analysis of a Wind Power Generation System for Rural Electrification in Subequatorial Area of Africa. Energy Procedia, 2014, 50, 773-781.   | 1.8 | 8         |

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|-----|---|-----|-----------|
| 91  | Thickness optimization of the ZnO based TCO layer in a CZTSSe solar cell. Evolution of its performance with thickness when external temperature changes.. Journal of Physics: Conference Series, 2017, 879, 012006. | 0.3 | 8         |
| 92  | Basic MOSFET Based vs Couple-coils Boost Converters for Photovoltaic Generators. International Journal of Power Electronics and Drive Systems, 2014, 4, .   | 0.5 | 8         |
| 93  | Air Mass Effect on the Performance of Organic Solar Cells. Energy Procedia, 2013, 36, 714-721.  | 1.8 | 7         |
| 94  | Growth and characterization of bismuth zinc borate Bi <sub>2</sub> ZnB <sub>2</sub> O <sub>7</sub> crystal fibers by the micro-pulling down technique. Journal of Crystal Growth, 2013, 364, 51-56.                 | 0.7 | 7         |
| 95  | Capacitance Evolution of Photovoltaic Solar Modules Under the Influence of Electrical Stress. Energy Procedia, 2015, 74, 1466-1475.   | 1.8 | 7         |
| 96  | Crystal LiNbO <sub>3</sub> -Ho <sup>3+</sup> : Material for optical cooling. Journal of Contemporary Physics, 2016, 51, 28-34.  | 0.1 | 7         |
| 97  | Output voltage feedback control topology for inverters dedicated to renewable energy systems. International Journal of Circuit Theory and Applications, 2017, 45, 2270-2280.  | 1.3 | 7         |
| 98  | Non-linear light scattering in photorefractive LiNbO <sub>3</sub> crystals studied by Z-scan technique. Applied Physics B: Lasers and Optics, 2019, 125, 1.   | 1.1 | 7         |
| 99  | Electro-optic properties of singly and doubly doped lithium niobate crystal by rare earth elements for optoelectronic and laser applications. EPJ Applied Physics, 2019, 85, 30502.                                 | 0.3 | 7         |
| 100 | LiNbO <sub>3</sub> -Tm <sup>3+</sup> Crystal. Material for Optical Cooling. Crystals, 2021, 11, 50.   | 1.0 | 7         |
| 101 | EoC21. Strongly temperature dependent electro-optic coefficients in BaTiO <sub>3</sub> . Ferroelectrics, 1992, 134, 1-6.  | 0.3 | 6         |
| 102 | Optical waveguide engraving in a LiNbO <sub>3</sub> crystal fiber. Applied Physics B: Lasers and Optics, 2009, 95, 573-578.   | 1.1 | 6         |
| 103 | Two-photon luminescence of small polarons in reduced LiNbO <sub>3</sub> crystals. IOP Conference Series: Materials Science and Engineering, 2010, 15, 012057.   | 0.3 | 6         |
| 104 | Third column electro-optical coefficients of monoclinic Sn <sub>2</sub> P <sub>2</sub> S <sub>6</sub> . Optical Materials Express, 2012, 2, 920.  | 1.6 | 6         |
| 105 | Individual Step-up Converter with Active Recovery Stage for High Efficiency Conversion of Photovoltaic Energy. Energy Procedia, 2014, 50, 479-487.  | 1.8 | 6         |
| 106 | Low Cost Hybrid Energiess Smart Management System Applied for Micro-grids. Energy Procedia, 2014, 50, 729-737.  | 1.8 | 6         |
| 107 | Warning of accidental shadowing of a PV generator in operation analyzed with the DoE method. Solar Energy, 2015, 122, 455-463.  | 2.9 | 6         |
| 108 | Dark and illuminated characteristics of photovoltaic solar modules. Part I: Influence of dark electrical stress. AIP Conference Proceedings, 2016, , .  | 0.3 | 6         |

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|-----|--|-----|-----------|
| 109 | Optimized MPPT algorithm for boost converters taking into account the environmental variables. AIP Conference Proceedings, 2016, , .   | 0.3 | 6         |
| 110 | Assessment of wind energy potential and cost estimation of wind-generated electricity at hilltops surrounding the city of Maroua in Cameroon. AIP Conference Proceedings, 2016, , .  | 0.3 | 6         |
| 111 | A polaron approach to photorefractivity in Fe : LiNbO <sub>3</sub> . Journal of Physics Communications, 2018, 2, 125003.   | 0.5 | 6         |
| 112 | Effect of ZnO <sub>2</sub> -based TCO on the performance of a <sup>n</sup> Si H(n)/a <sup>i</sup> Si H(i)/c <sup>p</sup> Si H(p)/Al BSF(p+)/Al heterojunction solar cells. Environmental Progress and Sustainable Energy, 2019, 38, 13114. | 1.3 | 6         |
| 113 | Economic assessment of WECS for water pumping systems in the North Region of Cameroon. Renewable Energy and Environmental Sustainability, 2021, 6, 6.  | 0.7 | 6         |
| 114 | Electro-optical properties of chromium-doped LiNbO <sub>3</sub> crystals. Ferroelectrics, 1996, 186, 13-16.  | 0.3 | 5         |
| 115 | The electro-optic coefficients and acoustic contributions in LiTaO <sub>3</sub> crystal. Journal of Optics, 2006, 8, 677-682.  | 1.5 | 5         |
| 116 | Synthesis and characterization of holmium doped lithium niobate powders. Ceramics International, 2011, 37, 2281-2285.  | 2.3 | 5         |
| 117 | Optical damage in reduced Z-cut LiNbO <sub>3</sub> crystals caused by longitudinal photovoltaic and pyroelectric effects. Journal of Applied Physics, 2012, 111, 013519.   | 1.1 | 5         |
| 118 | Magnetic Dual Coupled Boost with Recovery Stage DC <sup>2</sup> HVDC Converter for Renewable Energy Generator. Energy Procedia, 2015, 74, 499-506.   | 1.8 | 5         |
| 119 | The International Conference on Technologies and Materials for Renewable Energy, Environment and Sustainability. Energy Procedia, 2015, 74, 1-3.   | 1.8 | 5         |
| 120 | Fuzzy logic controller versus classical logic controller for residential hybrid solar-wind-storage energy system. AIP Conference Proceedings, 2016, , .  | 0.3 | 5         |
| 121 | New Topology of Photovoltaic Microinverter based on Boost converter. Energy Procedia, 2017, 119, 938-944.  | 1.8 | 5         |
| 122 | Experimental study of optical and electrical properties of ZnO nano composites electrodeposited on n-porous silicon substrate for photovoltaic applications. E3S Web of Conferences, 2017, 22, 00155.                                      | 0.2 | 5         |
| 123 | Surface and microstructure modifications of Ti-6Al-4V titanium alloy cutting by a water jet/high power laser converging coupling. Materials Research Express, 2018, 5, 016528.   | 0.8 | 5         |
| 124 | Thermo-Optic Effects in an Electro-Optic Modulation System. , 2007, , .  |     | 5         |
| 125 | Wind power as an alternative to sustain the energy needs in Garoua and Guider, North Region of Cameroon. Energy Reports, 2021, 7, 814-829.   | 2.5 | 5         |
| 126 | Electric field and temperature dependence of the birefringence in linbo <sub>3</sub> . Ferroelectrics, 1989, 94, 93-96.  | 0.3 | 4         |



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|-----|--|-----|-----------|
| 127 | Measurement of the electro-optic coefficient in KDP: Thermo-optic and piezo-optic contributions. <i>Ferroelectrics</i> , 1992, 126, 73-78.   | 0.3 | 4         |
| 128 | New spectroscopic investigation of Cr <sup>3+</sup> centres in LiNbO <sub>3</sub> crystals. <i>Journal of Luminescence</i> , 1999, 83-84, 441-445.   | 1.5 | 4         |
| 129 | Characterization of iron substitution process in Fe:LiNbO <sub>3</sub> single crystal fibers by polaron measurements. <i>Optical Materials</i> , 2003, 24, 111-116.  | 1.7 | 4         |
| 130 | Wavelength dependence of electronic and ionic contributions in an LiTaO <sub>3</sub> crystal. <i>Journal Physics D: Applied Physics</i> , 2006, 39, 2509-2513.   | 1.3 | 4         |
| 131 | Raman study of LiTaO <sub>3</sub> -related non-stoichiometric solid solutions isolated inside the ternary systems Li <sub>2</sub> O-xTa <sub>2</sub> O <sub>5</sub> -(M <sup>2+</sup> O) <sub>2</sub> with M <sup>2+</sup> =Mn, Co. <i>Journal of Physics and Chemistry of Solids</i> , 2009, 70, 755-764. | 1.9 | 4         |
| 132 | Synthesis and characterization of magnesium doped lead titanate. <i>Crystal Research and Technology</i> , 2011, 46, 368-372.   | 0.6 | 4         |
| 133 | The Transistor Based Direct and Reverse Mode Model for Photovoltaic Strings and Panels. <i>Energy Procedia</i> , 2012, 18, 1240-1246.  | 1.8 | 4         |
| 134 | Photorefractive Damage in congruent LiNbO <sub>3</sub> . Part II. Magnesium doped Lithium Niobate Crystals. <i>Journal of Physics: Conference Series</i> , 2013, 416, 012002.  | 0.3 | 4         |
| 135 | Investigation of nonlinear refraction and absorption in Mg- and Zr-doped LiNbO <sub>3</sub> with the aid of Z-scan techniques. , 2013, , .   |     | 4         |
| 136 | Evolution of photovoltaic solar modules dark properties after exposition to electrical reverse stress current inducing thermal effect. <i>Microelectronics International</i> , 2014, 31, 90-98.  | 0.4 | 4         |
| 137 | Comparison of four MPPT techniques for PV systems. <i>AIP Conference Proceedings</i> , 2016, , .   | 0.3 | 4         |
| 138 | Optimization Based on Fuzzy Logic Control of Discharge Lamp-Electronic Ballast System for Water Purification. <i>Electric Power Components and Systems</i> , 2016, 44, 1981-1990.  | 1.0 | 4         |
| 139 | 230 VDC elementary block in off-grid PV systems. <i>Sustainable Energy Technologies and Assessments</i> , 2018, 29, 1-11.  | 1.7 | 4         |
| 140 | Power-line communication between parallel DC-DC optimizers on a high voltage direct current bus. <i>WIT Transactions on Ecology and the Environment</i> , 2014, , .  | 0.0 | 4         |
| 141 | Prospects of hydropower for electricity generation in the East Region of Cameroon. <i>Energy Reports</i> , 2021, 7, 780-797.   | 2.5 | 4         |
| 142 | Electro-optic measurements in PbTiO <sub>3</sub> single crystals. <i>Ferroelectrics</i> , 1990, 107, 3-8.  | 0.3 | 3         |
| 143 | Influence of intrinsic and extrinsic defects on the electrooptic properties of lithium niobate. <i>Ferroelectrics</i> , 1997, 202, 11-19.  | 0.3 | 3         |
| 144 | Influence of the MgO doping concentration on the width of the E(TO <sub>1</sub> ) raman mode in Congruent LiNbO <sub>3</sub> crystals. <i>Radiation Effects and Defects in Solids</i> , 1999, 150, 255-258.  | 0.4 | 3         |

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|-----|---|-----|-----------|
| 145 | Gated luminescence in as-grown and reduced undoped LiNbO <sub>3</sub> crystals. Journal of Physics: Conference Series, 2013, 416, 012033.   | 0.3 | 3         |
| 146 | Dark and illuminated characteristics of photovoltaic solar modules. Part II: Influence of light electrical stress. AIP Conference Proceedings, 2016, , .  | 0.3 | 3         |
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