Michel Aillerie

List of Publications by Year
in descending order

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225 papers	2,902 citations	172457 29 h-index	233421 45 g-index
228 all docs	228 docs citations	228 times ranked	2282 citing authors

#	Article	IF	Citations
1	Electro-optic properties in pure LiNbO3 crystals from the congruent to the stoichiometric composition. Journal of Applied Physics, 1998, 84, 2251-2254.	2.5	120
2	Effect of Illumination Intensity on Solar Cells Parameters. Energy Procedia, 2013, 36, 722-729.	1.8	119
3	Band structure treatment of the influence of nonstoichiometric defects on optical properties in LiNbO3. Journal of Applied Physics, 2001, 90, 5542-5549.	2.5	99
4	Measurement of the electro-optic coefficients: description and comparison of the experimental techniques. Applied Physics B: Lasers and Optics, 2000, 70, 317-334.	2.2	90
5	A Review of DC Microgrid Energy Management Systems Dedicated to Residential Applications. Energies, 2021, 14, 4308.	3.1	90
6	Influence of Zn doping on electrooptical properties and structure parameters of lithium niobate crystals. Applied Physics B: Lasers and Optics, 1999, 68, 795-799.	2.2	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. Energy Procedia, 2015, 74, 529-538.	1.8	80
8	Dynamic behaviour of PV generator trackers under irradiation and temperature changes. Solar Energy, 2011, 85, 2953-2964.	6.1	79
9	Nonstoichiometric Defects and Optical Properties in LiNbO3. Journal of Physical Chemistry B, 2001, 105, 12242-12248.	2.6	71
10	Influence of Non-Stoichiometric Defects on Optical Properties in LiNbO3. Crystal Research and Technology, 2001, 36, 577-588.	1.3	65
11	Influence of the temperatureâ€dependent spontaneous birefringence in the electroâ€optic measurements of LiNbO3. Journal of Applied Physics, 1989, 65, 2406-2408.	2.5	63
12	Multi input-output fuzzy logic smart controller for a residential hybrid solar-wind-storage energy system. Energy Conversion and Management, 2017, 148, 238-250.	9.2	58
13	Effect of tin doping on optical properties of nanostructured ZnO thin films grown by spray pyrolysis technique. Journal of Alloys and Compounds, 2014, 616, 312-318.	5.5	56
14	Optical damage resistance in undoped LiNbO3 crystals. Optical Materials, 2001, 16, 111-117.	3.6	51
15	Comparison of Two Common Maximum Power Point Trackers by Simulating of PV Generators. Energy Procedia, 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. Energy Conversion and Management, 2016, 114, 356-363.	9.2	47
17	Frequency and wavelength dependences of electro-optic coefficients in inorganic crystals. Applied Physics B: Lasers and Optics, 2003, 76, 765-769.	2.2	46
18	Solar Cells Parameters Evaluation from Dark I-V Characteristics. Energy Procedia, 2012, 18, 1601-1610.	1.8	45

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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.	7.1	36
22	Electro-optic properties in Fe-doped LiNbO3 crystals as a function of composition. Optics Communications, 2000, 176, 261-265.	2.1	35
23	Coexistence of Li and Nb vacancies in the defect structure of pure LiNbO3 and its relationship to optical properties. Applied Physics A: Materials Science and Processing, 2006, 83, 427-434.	2.3	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 3 crystals. Applied Physics B: Lasers and Optics, 1998, 67, 65-71.	2.2	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.	3.6	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 LiNbO3: Revisited study. Journal of Applied Physics, 2009, 106, 033519.	2.5	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.	3.0	29
30	Electro-optic and dielectric properties of Hafnium-doped congruent lithium niobate crystals. Applied Physics B: Lasers and Optics, 2008, 92, 603.	2.2	26
31	New material with strong electroâ€optic effect: Rubidium hydrogen selenate (RbHSeO4). Applied Physics Letters, 1994, 64, 1920-1922.	3.3	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 LiNbO3. Review of Scientific Instruments, 1997, 68, 2138-2143.	1.3	23
34	Electro-optic and dielectric properties of Zirconium-doped congruent lithiumâ€“niobate crystals. Optical Materials Express, 2014, 4, 179.	3.0	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 LiNbO3 crystals. Journal of Applied Physics, 2008, 104, 114104.	2.5	22

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37	Photorefractive Damage in congruent LiNbO₃. Part I. Zinc doped Lithium Niobate Crystals. Journal of Physics: Conference Series, 2013, 416, 012001.	0.4	22
38	Influence of chromium doping on the electro-optic properties of lithium niobate. Optics Communications, 1997, 136, 231-234.	2.1	21
39	Efficiency of magnetic coupled boost DCâ€ĐC converters mainly dedicated to renewable energy systems: influence of the coupling factor. International Journal of Circuit Theory and Applications, 2015, 43, 1042-1062.	2.0	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.	2.2	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.	2.8	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.	1.6	18
43	Z-scan study of nonlinear absorption in reduced LiNbO3 crystals. Journal of Applied Physics, 2012, 111, 103504.	2.5	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.	1.8	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 Alâ€“Sn codoped ZnO transparent conducting layer deposited by spray pyrolysis technique. Superlattices and Microstructures, 2017, 111, 714-721.	3.1	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.	6.1	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.	1.3	14
53	Influence of the dopant concentration on the OHâ^' absorption band in Fe-doped LiNbO3 single-crystal fibers. Optical Materials, 2003, 21, 775-781.	3.6	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 LiNbO3 using a variation of the FDEOM method. Optical and Quantum Electronics, 1994, 26, 1043-1059.	3.3	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 BaTiO3. Ferroelectrics, 1992, 133, 175-180.	0.6	12
62	R<inf>dson</inf> 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.	5.5	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.	1.6	12
65	Comparative Study of Composition Dependences of Photorefractive and Related Effects in LiNbO3and LiTaO3Crystals. Ferroelectrics, 2007, 352, 61-71.	0.6	11
66	Self-compensation of optical damage in reduced nominally pure LiNbO3 crystals. Journal of Applied Physics, 2010, 107, .	2.5	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. â€“ Application in LiTaO3. Applied Physics B: Lasers and Optics, 2006, 83, 609-617.	2.2	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 (Er3+-Yb3+) co-doped LiNbO3 crystals. Optical Materials, 2016, 57, 79-84.	3.6	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.	2.4	10
76	Raman spectroscopy study of compositional inhomogeneity inÂlithium tantalate crystals. Applied Physics B: Lasers and Optics, 2009, 95, 125-130.	2.2	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.	3.6	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 BaTiO₃ Ceramics. Indian Journal of Science and Technology, 2015, 8, .	0.7	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.	5.1	9
84	Accurate Measurement Of The Electro-Optic Coefficients : Application To LiNbO 3. 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.	3.6	8
86	Ternary system Li2Oâ€“K2Oâ€“Nb2O5: Re-examination of the 30mol% K2O 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.	1.5	8
87	Growth and characterization of Ca5(BO3)3F fiber crystals, a new nonlinear optical material for UV light generation. Optical Materials, 2011, 33, 1621-1625.	3.6	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.	1.6	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.	0.4	8
92	Basic MOSFET Based vs Couple-coils Boost Converters for Photovoltaic Generators. International Journal of Power Electronics and Drive Systems, 2014, 4, .	0.6	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 Bi2ZnB2O7 crystal fibers by the micro-pulling down technique. Journal of Crystal Growth, 2013, 364, 51-56.	1.5	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 LiNbO3-Ho3+: Material for optical cooling. Journal of Contemporary Physics, 2016, 51, 28-34.	0.6	7
97	Outputâ€voltage feedback control topology for inverters dedicated to renewable energy systems. International Journal of Circuit Theory and Applications, 2017, 45, 2270-2280.	2.0	7
98	Non-linear light scattering in photorefractive LiNbO3 crystals studied by Z-scan technique. Applied Physics B: Lasers and Optics, 2019, 125, 1.	2.2	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.	0.7	7
100	LiNbO3-Tm3+ Crystal. Material for Optical Cooling. Crystals, 2021, 11, 50.	2.2	7
101	EoC21. Strongly temperature dependent electro-optic coefficients in BaTiO3. Ferroelectrics, 1992, 134, 1-6.	0.6	6
102	Optical waveguide engraving in a LiNbO3 crystal fiber. Applied Physics B: Lasers and Optics, 2009, 95, 573-578.	2.2	6
103	Two-photon luminescence of small polarons in reduced LiNbO₃crystals. IOP Conference Series: Materials Science and Engineering, 2010, 15, 012057.	0.6	6
104	Third column electro-optical coefficients of monoclinic Sn_2P_2S_6. Optical Materials Express, 2012, 2, 920.	3.0	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.	6.1	6
108	Dark and illuminated characteristics of photovoltaic solar modules. Part I: Influence of dark electrical stress. AIP Conference Proceedings, 2016, , .	0.4	6

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109	Optimized MPPT algorithm for boost converters taking into account the environmental variables. AIP Conference Proceedings, 2016, , .	0.4	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, , .	0.4	6
111	A polaron approach to photorefractivity in Fe : LiNbO₃. Journal of Physics Communications, 2018, 2, 125003.	1.2	6
112	Effect of ZnOâ€based TCO on the performance of aâ€Si H(n)/aâ€Si H(i)/câ€Si H(p)/Al BSF(p+)/Al heterojunction solar cells. Environmental Progress and Sustainable Energy, 2019, 38, 13114.	2.3	6
113	Economic assessment of WECS for water pumping systems in the North Region of Cameroon. Renewable Energy and Environmental Sustainability, 2021, 6, 6.	1.4	6
114	Electro-optical properties of chromium-doped LiNbO3 crystals. Ferroelectrics, 1996, 186, 13-16.	0.6	5
115	The electro-opticr22coefficients and acoustic contributions in LiTaO3crystal. 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.	4.8	5
117	Optical damage in reduced Z-cut LiNbO3 crystals caused by longitudinal photovoltaic and pyroelectric effects. Journal of Applied Physics, 2012, 111, 013519.	2.5	5
118	Magnetic Dual Coupled Boost with Recovery Stage DCâ€“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, , .	0.4	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.	0.5	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.	1.6	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.	5.1	5
126	Electric field and temperature dependence of the birefringence in linbo₃. Ferroelectrics, 1989, 94, 93-96.	0.6	4

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127	Measurement of the r63electro-optic coefficient in KDP: Thermo-optic and piezo-optic contributions. Ferroelectrics, 1992, 126, 73-78.	0.6	4
128	New spectroscopic investigation of Cr3+ centres in LiNbO3 crystals. Journal of Luminescence, 1999, 83-84, 441-445.	3.1	4
129	Characterization of iron substitution process in Fe:LiNbO3 single crystal fibers by polaron measurements. Optical Materials, 2003, 24, 111-116.	3.6	4
130	Wavelength dependence of electronic and ionic contributionsreandriin an LiTaO3crystal. Journal Physics D: Applied Physics, 2006, 39, 2509-2513.	2.8	4
131	Raman study of LiTaO3-related non-stoichiometric solid solutions isolated inside the ternary systems Li2Oâ€“Ta2O5â€“(Mâ€²O)2 with Mâ€²=Mn, Co. Journal of Physics and Chemistry of Solids, 2009, 70, 755-764.	4.0	4
132	Synthesis and characterization of magnesium doped lead titanate. Crystal Research and Technology, 2011, 46, 368-372.	1.3	4
133	The Transistor Based Direct and Reverse Mode Model for Photovoltaic Strings and Panels. Energy Procedia, 2012, 18, 1240-1246.	1.8	4
134	Photorefractive Damage in congruent LiNbO₃. Part II. Magnesium doped Lithium Niobate Crystals. Journal of Physics: Conference Series, 2013, 416, 012002.	0.4	4
135	Investigation of nonlinear refraction and absorption in Mg- and Zr-doped LiNbO3with 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. Microelectronics International, 2014, 31, 90-98.	0.6	4
137	Comparison of four MPPT techniques for PV systems. AIP Conference Proceedings, 2016, , .	0.4	4
138	Optimization Based on Fuzzy Logic Control of Discharge Lamp-Electronic Ballast System for Water Purification. Electric Power Components and Systems, 2016, 44, 1981-1990.	1.8	4
139	230 VDC elementary block in off-grid PV systems. Sustainable Energy Technologies and Assessments, 2018, 29, 1-11.	2.7	4
140	Power-line communication between parallel DC-DC optimizers on a high voltage direct current bus. WIT Transactions on Ecology and the Environment, 2014, , .	0.0	4
141	Prospects of hydropower for electricity generation in the East Region of Cameroon. Energy Reports, 2021, 7, 780-797.	5.1	4
142	Electro-optic measurements in PbTiO3single crystals. Ferroelectrics, 1990, 107, 3-8.	0.6	3
143	Influence of intrinsic and extrinsic defects on the electrooptic properties of lithium niobate. Ferroelectrics, 1997, 202, 11-19.	0.6	3
144	Influence of the MgO doping concentration on the width of the E(TO1) raman mode in Congruent LiNbO3crystals. Radiation Effects and Defects in Solids, 1999, 150, 255-258.	1.2	3

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145	Gated luminescence in as-grown and reduced undoped LiNbO₃crystals. Journal of Physics: Conference Series, 2013, 416, 012033.	0.4	3
146	Dark and illuminated characteristics of photovoltaic solar modules. Part II: Influence of light electrical stress. AIP Conference Proceedings, 2016, , .	0.4	3
147	Quality improvement of the AC electrical energy produced by a modular inverter dedicated to photovoltaic applications. AIP Conference Proceedings, 2016, , .	0.4	3
148	Maximum power point tracking algorithm based on sliding mode and fuzzy logic for photovoltaic sources under variable environmental conditions. AIP Conference Proceedings, 2017, , .	0.4	3
149	Experimental verification of internal parameter in magnetically coupled boost used as PV optimizer in parallel association. AIP Conference Proceedings, 2017, , .	0.4	3
150	PV Voltage Control in Spite of Disturbances on MCB Boost Output Voltage in Parallel Association. Energy Procedia, 2017, 119, 916-929.	1.8	3
151	Application of Z-scan technique for the study of nonlinear absorption in chemically reduced LiNbO₃crystals. Journal of Physics: Conference Series, 2017, 879, 012003.	0.4	3
152	Technical and economic analysis of hybrid solar/wind energy source for the site of Tlemcen-Algeria. Energy Procedia, 2017, 119, 29-37.	1.8	3
153	Distributed photovoltaic architecture powering a DC bus: Impact of duty cycle and load variations on the efficiency of the generator. AIP Conference Proceedings, 2018, , .	0.4	3
154	Graphene Thermal Conductivity at Room Temperatures and Its Relationship with Thermal Expansion. Journal of Contemporary Physics, 2021, 56, 22-24.	0.6	3
155	Yb³⁺doped Y 3 Al 5 O 12 , NaBi(WO 4) 2 and LiNbO 3 crystals as optical temperature sensors. Proceedings of SPIE, 1899, , .	0.8	2
156	Electro-optic measurements by thermo-optic compensation. Ferroelectrics, 1992, 126, 21-26.	0.6	2
157	Influence of the non-stoichiometry on the electro-optic properties in pure LiNbO3. Ferroelectrics, 1999, 223, 365-372.	0.6	2
158	Accurate determination of the anisotropy factors and the phase differences of Raman polarizabilities in some uniaxial crystals: the case of lithium niobate. Journal of Physics Condensed Matter, 2009, 21, 015905.	1.8	2
159	Micro-pulling-down growth of Fe-doped LiNbO3 crystal fibers for optical waveguide engraving. Optical Materials, 2010, 32, 456-460.	3.6	2
160	Deep Discharge Failure in an Automated Supply Integrating PV Storage and Grid Connection. Energy Procedia, 2013, 36, 1300-1309.	1.8	2
161	Influence of the Thermo-Opticity on the Birefringence in an Electro-Optic Modulator: Application to Lithium Tantalate. Ferroelectrics, 2014, 471, 139-147.	0.6	2
162	Modeling of the Characteristics of Photovoltaic Sources Feeding a HVDC Bus. Energy Procedia, 2014, 50, 437-444.	1.8	2

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163	Pyroelectric Self-Focusing of Light Beams in Reduced Lithium Niobate Crystals. Journal of Applied Spectroscopy, 2015, 82, 479-482.	0.7	2
164	Multiphase Wind Energy Conversion Systems Based on Matrix Converter. Automatika, 2016, 57, 396-404.	2.0	2
165	Towards good quality Bi2ZnB2O7 fibers grown by the micro-pulling down technique. Journal of Crystal Growth, 2016, 451, 1-5.	1.5	2
166	Influence of the spectral distribution of light on the characteristics of photovoltaic panel. Comparison between simulation and experimental. AIP Conference Proceedings, 2017, , .	0.4	2
167	The clamped and unclamped effective electro-optic coefficients of zirconium-doped congruent lithium niobate crystals. Journal of Physics: Conference Series, 2017, 879, 012004.	0.4	2
168	The DoE method as an efficient tool for modeling the behavior of monocrystalline Si-PV module. AIP Conference Proceedings, 2018, , .	0.4	2
169	Enhanced model of photovoltaic cell/panel/array considering the direct and reverse modes. AIP Conference Proceedings, 2018, , .	0.4	2
170	Screened shallow impurity properties of quantum well heterosystems with high-Î° dielectric barrier environment. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 113, 47-53.	2.7	2
171	Ab-initio study of the structural, electronic and optical properties of ZnO co-doped gallium aluminum Zn1âˆ’xâˆ’yGaxAlyO. Materials Research Express, 2019, 6, 065909.	1.6	2
172	Parameters of nonlinear scattering evaluated by open-aperture Z-scan technique in photorefractive LiNbO3 crystals. Optical and Quantum Electronics, 2020, 52, 1.	3.3	2
173	LoRaWAN IoT Technology for Energy Smart Metering Case Study Lebanon. Key Engineering Materials, 0, 886, 30-41.	0.4	2
174	LabVIEW Interface for Controlling a Test Bench for Photovoltaic Modules and Extraction of Various Parameters. International Journal of Power Electronics and Drive Systems, 2015, 6, 498.	0.6	2
175	Hydropower generation potential and prospective scenarios for sustainable electricity supply for the period 2022â€“2042: A case study of the NIN zone of Cameroon. Energy Reports, 2022, 8, 123-136.	5.1	2
176	Study of contributions to temperature dependence of the phase shift in an electro-optic crystal. Optical and Quantum Electronics, 1997, 29, 441-450.	3.3	1
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