

# Michel Aillerie

## List of Publications by Year in descending order

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papers

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233125

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228  
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228  
docs citations

228  
times ranked

2282  
citing authors

#	ARTICLE	IF	CITATIONS
1	A hybrid renewable energy production system using a smart controller based on fuzzy logic. Electrical Engineering & Electromechanics, 2022, , 46-50.	0.4	1
2	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.	2.5	2
3	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
4	LiNbO3-Tm3+ Crystal. Material for Optical Cooling. Crystals, 2021, 11, 50.	1.0	7
5	Optical limiting and speckle of low power continuous wave laser beams using nonlinear scattering in photorefractive Zr: LiNbO<sub>3</sub> crystals. Ferroelectrics, 2021, 574, 179-186.	0.3	1
6	A Review of DC Microgrid Energy Management Systems Dedicated to Residential Applications. Energies, 2021, 14, 4308.	1.6	90
7	Graphene Thermal Conductivity at Room Temperatures and Its Relationship with Thermal Expansion. Journal of Contemporary Physics, 2021, 56, 22-24.	0.1	3
8	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
9	Prospects of hydropower for electricity generation in the East Region of Cameroon. Energy Reports, 2021, 7, 780-797.	2.5	4
10	Spectroscopic and mechanical properties of PVC plasticized by bio-plasticizer ESO. Journal of Polymer Research, 2020, 27, 1.	1.2	10
11	A Simple Method for Photoconductivity Measurement in Lithium Niobate. Crystals, 2020, 10, 461.	1.0	0
12	Parameters of nonlinear scattering evaluated by open-aperture Z-scan technique in photorefractive LiNbO3 crystals. Optical and Quantum Electronics, 2020, 52, 1.	1.5	2
13	Factorial design and response surface optimization for modeling photovoltaic module parameters. Energy Reports, 2020, 6, 299-309.	2.5	9
14	Doped ZnO Thin Films Properties/Spray Pyrolysis Technique. Advanced Structured Materials, 2020, , 107-119.	0.3	1
15	Analysis of defects of PV solar modules using deep level transient spectroscopy. Feasibility and limits. AIP Conference Proceedings, 2020, , .	0.3	0
16	Evolution of PV solar modules parameters operating in extreme environments. AIP Conference Proceedings, 2020, , .	0.3	0
17	Non-linear light scattering in photorefractive LiNbO3 crystals studied by Z-scan technique. Applied Physics B: Lasers and Optics, 2019, 125, 1.	1.1	7
18	Simulations of solar optimizers in parallel coupling. AIP Conference Proceedings, 2019, , .	0.3	0

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19	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
20	Output Voltage Changes in PV Solar Modules after Electrical and Thermal Stresses. Experimental Analysis.. Energy Procedia, 2019, 157, 1404-1411.	1.8	11
21	Estimation of the Thermal Expansion Coefficient of Graphene in the Temperature Range of 100â€“700Â°K. Journal of Contemporary Physics, 2019, 54, 302-307.	0.1	1
22	Screened shallow impurity properties of quantum well heterosystems with high- $\epsilon$ dielectric barrier environment. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 113, 47-53.	1.3	2
23	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
24	Ab-initio study of the structural, electronic and optical properties of ZnO co-doped gallium aluminum Zn $_{1-x}$ Ga $_x$ Al $_y$ O. Materials Research Express, 2019, 6, 065909.	0.8	2
25	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.	1.3	6
26	Composition dependence of the electroâ€“optic properties of ironâ€“doped lithium niobate crystals mounted as bulk modulator. Journal of the American Ceramic Society, 2019, 102, 3535-3546.	1.9	1
27	Photorefractive properties of lithium niobate crystals studied by Raman spectroscopy. , 2019, , .		0
28	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
29	A polaron approach to photorefractivity in Fe : LiNbO $_3$ . Journal of Physics Communications, 2018, 2, 125003.	0.5	6
30	The DoE method as an efficient tool for modeling the behavior of monocrystalline Si-PV module. AIP Conference Proceedings, 2018, , .	0.3	2
31	Development and optimization of a matrix converter supplying an electronic ballast - UV lamp system for water sterilization. AIP Conference Proceedings, 2018, , .	0.3	0
32	Distributed photovoltaic architecture powering a DC bus: Impact of duty cycle and load variations on the efficiency of the generator. AIP Conference Proceedings, 2018, , .	0.3	3
33	Modeling and sizing the coil in boost converters dedicated to photovoltaic sources. AIP Conference Proceedings, 2018, , .	0.3	0
34	230 VDC elementary block in off-grid PV systems. Sustainable Energy Technologies and Assessments, 2018, 29, 1-11.	1.7	4
35	Comparison between two photovoltaic module models based on transistors. AIP Conference Proceedings, 2018, , .	0.3	1
36	Enhanced model of photovoltaic cell/panel/array considering the direct and reverse modes. AIP Conference Proceedings, 2018, , .	0.3	2

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37	Parameters and characteristics of PV solar modules under the influence of thermal stresses. AIP Conference Proceedings, 2017, , .	0.3	1
38	Maximum power point tracking algorithm based on sliding mode and fuzzy logic for photovoltaic sources under variable environmental conditions. AIP Conference Proceedings, 2017, , .	0.3	3
39	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
40	Comparison between a classical command law and a new advanced recovery command law in a MCB-ARS boost. AIP Conference Proceedings, 2017, , .	0.3	0
41	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
42	Power supply improvements for ballasts-low pressure mercury/argon discharge lamp for water purification. AIP Conference Proceedings, 2017, , .	0.3	1
43	Multi input-output fuzzy logic smart controller for a residential hybrid solar-wind-storage energy system. Energy Conversion and Management, 2017, 148, 238-250.	4.4	58
44	Experimental verification of internal parameter in magnetically coupled boost used as PV optimizer in parallel association. AIP Conference Proceedings, 2017, , .	0.3	3
45	Push-pull with recovery stage high-voltage DC converter for PV solar generator. AIP Conference Proceedings, 2017, , .	0.3	1
46	Influence of the spectral distribution of light on the characteristics of photovoltaic panel. Comparison between simulation and experimental. AIP Conference Proceedings, 2017, , .	0.3	2
47	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
48	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
49	Capacitance evolution of PV solar modules under thermal stress. Energy Procedia, 2017, 119, 702-708.	1.8	13
50	PV Voltage Control in Spite of Disturbances on MCB Boost Output Voltage in Parallel Association. Energy Procedia, 2017, 119, 916-929.	1.8	3
51	New Topology of Photovoltaic Microinverter based on Boost converter. Energy Procedia, 2017, 119, 938-944.	1.8	5
52	Optimized pulse transformer for step-up DC-DC converter. Energy Procedia, 2017, 119, 930-937.	1.8	0
53	Application of Z-scan technique for the study of nonlinear absorption in chemically reduced LiNbO <sub>3</sub> crystals. Journal of Physics: Conference Series, 2017, 879, 012003.	0.3	3
54	Growth of new borate crystals with fiber shape by the micro-pulling down technique. Journal of Physics: Conference Series, 2017, 879, 012007.	0.3	0

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55	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
56	The Effect of Electrical stress under temperature in the characteristics of PV Solar Modules. Energy Procedia, 2017, 119, 579-601.	1.8	10
57	Photovoltaic panels characterization and experimental testing. Energy Procedia, 2017, 119, 945-952.	1.8	14
58	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
59	The clamped and unclamped effective electro-optic coefficients of zirconium-doped congruent lithium niobate crystals. Journal of Physics: Conference Series, 2017, 879, 012004.	0.3	2
60	Structural, electrical and optical properties of Al <sup>2+</sup> Sn codoped ZnO transparent conducting layer deposited by spray pyrolysis technique. Superlattices and Microstructures, 2017, 111, 714-721.	1.4	16
61	The r <sub>22</sub> electro-optic coefficients in indium-doped congruent lithium niobate crystals. Journal of Physics: Conference Series, 2017, 879, 012005.	0.3	1
62	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
63	Multiphase Wind Energy Conversion Systems Based on Matrix Converter. Automatika, 2016, 57, 396-404.	1.2	2
64	Simulation of the outdoor energy efficiency of an autonomous solar kit based on meteorological data for a site in Central Europa. AIP Conference Proceedings, 2016, , .	0.3	1
65	Comparison of four MPPT techniques for PV systems. AIP Conference Proceedings, 2016, , .	0.3	4
66	Dark and illuminated characteristics of photovoltaic solar modules. Part I: Influence of dark electrical stress. AIP Conference Proceedings, 2016, , .	0.3	6
67	Optimized MPPT algorithm for boost converters taking into account the environmental variables. AIP Conference Proceedings, 2016, , .	0.3	6
68	Outdoor performances of four photovoltaic technologies under four typical meteorological conditions. AIP Conference Proceedings, 2016, , .	0.3	0
69	Influence of precursor solution volume on the optical properties of spray deposited ZnO films. AIP Conference Proceedings, 2016, , .	0.3	0
70	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
71	Dark and illuminated characteristics of photovoltaic solar modules. Part II: Influence of light electrical stress. AIP Conference Proceedings, 2016, , .	0.3	3
72	Universal Transistor-based hardware SIMulator for real time simulation of photovoltaic generators. Solar Energy, 2016, 134, 193-201.	2.9	15

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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	Crystal LiNbO <sub>3</sub> -Ho <sup>3+</sup> : Material for optical cooling. Journal of Contemporary Physics, 2016, 51, 28-34.	0.1	7
75	Towards good quality Bi <sub>2</sub> ZnB <sub>2</sub> O <sub>7</sub> fibers grown by the micro-pulling down technique. Journal of Crystal Growth, 2016, 451, 1-5.	0.7	2
76	Optimization Based on Fuzzy Logic Control of Discharge Lamp-Electronic Ballast System for Water Purification. Electric Power Components and Systems, 2016, 44, 1981-1990.	1.0	4
77	Fuzzy logic controller versus classical logic controller for residential hybrid solar-wind-storage energy system. AIP Conference Proceedings, 2016, , .	0.3	5
78	Quality improvement of the AC electrical energy produced by a modular inverter dedicated to photovoltaic applications. AIP Conference Proceedings, 2016, , .	0.3	3
79	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.	4.4	47
80	Growth of LaBGeO <sub>5</sub> crystal fibers by the micro-pulling down technique. Crystal Research and Technology, 2016, 51, 87-93.	0.6	1
81	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
82	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
83	Pyroelectric Self-Focusing of Light Beams in Reduced Lithium Niobate Crystals. Journal of Applied Spectroscopy, 2015, 82, 479-482.	0.3	2
84	Comparison of Two PV Modules Technologies Using Analytical and Experimental Methods. Energy Procedia, 2015, 74, 389-397.	1.8	9
85	Magnetic Dual Coupled Boost with Recovery Stage DC-HVDC Converter for Renewable Energy Generator. Energy Procedia, 2015, 74, 499-506.	1.8	5
86	Simulation and Hardware Development of a New Electronic Simulator of Photovoltaic Generators. Electric Power Components and Systems, 2015, 43, 2223-2233.	1.0	1
87	Capacitance Evolution of Photovoltaic Solar Modules Under the Influence of Electrical Stress. Energy Procedia, 2015, 74, 1466-1475.	1.8	7
88	Warning of accidental shadowing of a PV generator in operation analyzed with the DoE method. Solar Energy, 2015, 122, 455-463.	2.9	6
89	The International Conference on Technologies and Materials for Renewable Energy, Environment and Sustainability. Energy Procedia, 2015, 74, 1-3.	1.8	5
90	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

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91	Three-Phases Flying-Capacitor Multilevel Inverter with Proportional Natural PWM Control. Energy Procedia, 2015, 74, 1061-1070.	1.8	17
92	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
93	Optimization of Power Line Communication System Using a Resonant HVDC Bus in a Distributed Renewable Energy Generator. Energy Procedia, 2015, 74, 555-563.	1.8	1
94	Distributed Photovoltaic Architecture for HVDC-bus Feeding with a Simple Evaluation of Optimal Tracking. Energy Procedia, 2015, 74, 507-517.	1.8	0
95	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
96	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.	0.5	2
97	Electro-optic and dielectric properties of Zirconium-doped congruent lithium niobate crystals. Optical Materials Express, 2014, 4, 179.	1.6	23
98	Surface oxidation and phase transformation of the stainless steel by hybrid laser-waterjet impact. Materials Research Express, 2014, 1, 036501.	0.8	8
99	Evolution of photovoltaic solar modules dark properties after exposition to electrical reverse stress current inducing thermal effect. Microelectronics International, 2014, 31, 90-98.	0.4	4
100	Influence of the Thermo-Opticity on the Birefringence in an Electro-Optic Modulator: Application to Lithium Tantalate. Ferroelectrics, 2014, 471, 139-147.	0.3	2
101	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
102	Third column electro-optical coefficients of zirconium-doped congruent lithium niobate crystals. Optical Materials, 2014, 36, 1238-1242.	1.7	9
103	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
104	Micro-controlled Pulse Width Modulator Inverter for Renewable Energy Generators. Energy Procedia, 2014, 50, 832-840.	1.8	11
105	Modeling of the Characteristics of Photovoltaic Sources Feeding a HVDC Bus. Energy Procedia, 2014, 50, 437-444.	1.8	2
106	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
107	DC Power-line Communication based Network Architecture for HVDC Distribution of a Renewable Energy System. Energy Procedia, 2014, 50, 147-154.	1.8	9
108	Individual Step-up Converter with Active Recovery Stage for High Efficiency Conversion of Photovoltaic Energy. Energy Procedia, 2014, 50, 479-487.	1.8	6

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109	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
110	Low Cost Hybrid Energiess Smart Management System Applied for Micro-grids. Energy Procedia, 2014, 50, 729-737.	1.8	6
111	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
112	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.	2.8	56
113	Basic MOSFET Based vs Couple-coils Boost Converters for Photovoltaic Generators. International Journal of Power Electronics and Drive Systems, 2014, 4, .	0.5	8
114	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
115	Air Mass Effect on the Performance of Organic Solar Cells. Energy Procedia, 2013, 36, 714-721.	1.8	7
116	Forecasting the PV Panel Operating Conditions Using the Design of Experiments Method. Energy Procedia, 2013, 36, 479-487.	1.8	8
117	Photorefractive Damage in congruent LiNbO <sub>3</sub> . Part II. Magnesium doped Lithium Niobate Crystals. Journal of Physics: Conference Series, 2013, 416, 012002.	0.3	4
118	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
119	High Efficiency DC-DC Converters Including a Performed Recovering Leakage Energy Switch. Energy Procedia, 2013, 36, 642-649.	1.8	14
120	Contribution to the Quantification of Solar Radiation in Algeria. Energy Procedia, 2013, 36, 730-737.	1.8	25
121	Self-powered High Efficiency Coupled Inductor Boost Converter for Photovoltaic Energy Conversion. Energy Procedia, 2013, 36, 650-656.	1.8	10
122	Powerline Communication (PLC) on HVDC Bus in a Renewable Energy System. Energy Procedia, 2013, 36, 657-666.	1.8	17
123	Solar Cells Electrical Behavior under Thermal Gradient. Energy Procedia, 2013, 36, 1249-1254.	1.8	13
124	Deep Discharge Failure in an Automated Supply Integrating PV Storage and Grid Connection. Energy Procedia, 2013, 36, 1300-1309.	1.8	2
125	Effect of Illumination Intensity on Solar Cells Parameters. Energy Procedia, 2013, 36, 722-729.	1.8	119
126	Investigation of nonlinear refraction and absorption in Mg- and Zr-doped LiNbO <sub>3</sub> with the aid of Z-scan techniques. , 2013, , .		4



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127	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
128	Gated luminescence in as-grown and reduced undoped LiNbO <sub>3</sub> crystals. Journal of Physics: Conference Series, 2013, 416, 012033.	0.3	3
129	Growth and characterization of new borate-based crystal fibers by the micro-pulling down technique. MATEC Web of Conferences, 2013, 3, 01022.	0.1	0
130	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
131	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
132	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
133	The Transistor Based Direct and Reverse Mode Model for Photovoltaic Strings and Panels. Energy Procedia, 2012, 18, 1240-1246.	1.8	4
134	Experimental Validation of Photovoltaic Direct and Reverse Mode Model. Influence of Partial Shading. Energy Procedia, 2012, 18, 1247-1253.	1.8	10
135	Push-pull Converter for High Efficiency Photovoltaic Conversion. Energy Procedia, 2012, 18, 1583-1592.	1.8	16
136	High Efficiency Step-Up HVDC Converter for Photovoltaic Generator. Energy Procedia, 2012, 18, 1593-1600.	1.8	14
137	Solar Cells Parameters Evaluation from Dark I-V Characteristics. Energy Procedia, 2012, 18, 1601-1610.	1.8	45
138	Environmental Effects on the Performance of Nanocrystalline Silicon Solar Cells. Energy Procedia, 2012, 18, 1611-1623.	1.8	14
139	Z-scan study of nonlinear absorption in reduced LiNbO <sub>3</sub> crystals. Journal of Applied Physics, 2012, 111, 103504.	1.1	17
140	Integration of individual DC/DC converters in a renewable energy distributed architecture. , 2012, , .		9
141	Z-scan study of photorefractive nonlinearity in reduced LiNbO <sub>3</sub> crystals. , 2011, , .		0
142	Dynamic behaviour of PV generator trackers under irradiation and temperature changes. Solar Energy, 2011, 85, 2953-2964.	2.9	79
143	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
144	Synthesis and characterization of magnesium doped lead titanate. Crystal Research and Technology, 2011, 46, 368-372.	0.6	4

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145	Synthesis and characterization of holmium doped lithium niobate powders. <i>Ceramics International</i> , 2011, 37, 2281-2285.	2.3	5
146	Comparison of Two Common Maximum Power Point Trackers by Simulating of PV Generators. <i>Energy Procedia</i> , 2011, 6, 678-687.	1.8	49
147	New architecture for high efficiency DC-DC converter dedicated to photovoltaic conversion. <i>Energy Procedia</i> , 2011, 6, 688-694.	1.8	32
148	Photovoltaic Cell/Panel/Array Characterizations and Modeling Considering Both Reverse and Direct Modes. <i>Energy Procedia</i> , 2011, 6, 695-703.	1.8	35
149	The effect of reverse current on the dark properties of photovoltaic solar modules. <i>Energy Procedia</i> , 2011, 6, 743-749.	1.8	16
150	Behavior of the on-state current behavior in various MOSFET families. , 2011, , .		12
151	Dark and Photo-Conductivity Measurement Techniques for Dielectric Materials, Application to LiNbO <sub>3</sub> . <i>Journal of Engineering and Applied Sciences</i> , 2011, 6, 163-167.	0.2	1
152	Two-photon luminescence of small polarons in reduced LiNbO <sub>3</sub> crystals. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010, 15, 012057.	0.3	6
153	Optical damage and photoconductivity in iron-doped lithium niobate crystals. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
154	Optical damage dynamics in reduced nominally pure LiNbO <sub>3</sub> crystals. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010, 15, 012061.	0.3	0
155	Micro-pulling-down growth of Fe-doped LiNbO <sub>3</sub> crystal fibers for optical waveguide engraving. <i>Optical Materials</i> , 2010, 32, 456-460.	1.7	2
156	Self-compensation of optical damage in reduced nominally pure LiNbO <sub>3</sub> crystals. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	11
157	LiNbO <sub>3</sub> crystal fiber processing for guided optics. , 2009, , .		0
158	Defect structure in Mg-doped LiNbO <sub>3</sub> : Revisited study. <i>Journal of Applied Physics</i> , 2009, 106, 033519.	1.1	30
159	Accurate determination of the anisotropy factors and the phase differences of Raman polarizabilities in some uniaxial crystals: the case of lithium niobate. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 015905.	0.7	2
160	Optical waveguide engraving in a LiNbO <sub>3</sub> crystal fiber. <i>Applied Physics B: Lasers and Optics</i> , 2009, 95, 573-578.	1.1	6
161	Raman spectroscopy study of compositional inhomogeneity in lithium tantalate crystals. <i>Applied Physics B: Lasers and Optics</i> , 2009, 95, 125-130.	1.1	9
162	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. <i>Journal of Crystal Growth</i> , 2009, 311, 4343-4349.	0.7	8

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163	Raman study of LiTaO <sub>3</sub> -related non-stoichiometric solid solutions isolated inside the ternary systems Li <sub>2</sub> O- $\epsilon$ -Ta <sub>2</sub> O <sub>5</sub> - $\epsilon$ -(M $\epsilon^2$ O) <sub>2</sub> with M $\epsilon^2$ =Mn, Co. Journal of Physics and Chemistry of Solids, 2009, 70, 755-764.	1.9	4
164	Thermo-optic characterization of KDP single crystals by a modified SÃ©narmont setup for electro-optic modulation system. Chinese Optics Letters, 2009, 7, 632-639.	1.3	0
165	Growth by Åµ-PD and LHPG and Characterization by Raman Spectroscopy of Potassium Lithium Niobate (KLN) Single-Crystal Fibers. , 2009, , .		1
166	Electro-optic and dielectric properties of Hafnium-doped congruent lithium niobate crystals. Applied Physics B: Lasers and Optics, 2008, 92, 603.	1.1	26
167	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
168	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
169	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
170	Design of the New Type Integrated-Optical Elements for E-Field Sensor. , 2007, , .		0
171	Structural study of the PbZr<sub>0.52</sub>Ti<sub>0.48</sub>O<sub>3</sub> under Hydrostatic Pressure. , 2007, , .		1
172	Measurements of the Space and Time Evolution of the Surface Charge in a Dielectric Barrier Discharge Å– Comparisons with Results from Simulations. , 2007, , .		0
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