

Cristobal Voz Sanchez

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

123
papers

2,605
citations

27
h-index

47
g-index

134
ext. papers

2,952
ext. citations

4.1
avg, IF

4.84
L-index

| # | Paper | IF | Citations |
|-----|--|-----|-----------|
| 123 | Ultrathin Wide-Bandgap a-Si:H-Based Solar Cells for Transparent Photovoltaic Applications. <i>Solar Rrl</i> , 2022 , 6, 2100909 | 7.1 | 0 |
| 122 | Atomic layer deposition of vanadium oxide films for crystalline silicon solar cells.. <i>Materials Advances</i> , 2022 , 3, 337-345 | 3.3 | 5 |
| 121 | Interdigitated back-contacted crystalline silicon solar cells fully manufactured with atomic layer deposited selective contacts. <i>Solar Energy Materials and Solar Cells</i> , 2022 , 240, 111731 | 6.4 | 2 |
| 120 | Influence of wavelength and pulse duration on the selective laser ablation of WOx, VOx and MoOx thin films.. <i>Surfaces and Interfaces</i> , 2021 , 101613 | 4.1 | 1 |
| 119 | Thin c-Si Solar Cells Based on VOx Heterojunctions With Texturized Rear Surface. <i>IEEE Journal of Photovoltaics</i> , 2021 , 1-5 | 3.7 | |
| 118 | Hole Transport Layer based on atomic layer deposited V2Ox films: Paving the road to semi-transparent CZTSe solar cells. <i>Solar Energy</i> , 2021 , 226, 64-71 | 6.8 | 0 |
| 117 | Deposition and characterisation of sputtered molybdenum oxide thin films with hydrogen atmosphere. <i>Applied Surface Science</i> , 2021 , 563, 150285 | 6.7 | 2 |
| 116 | Shedding Light on the Negative Differential Resistance Effect Observed in Organic Thin-Film Transistors. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 1574-1582 | 4 | 1 |
| 115 | Low-Cost High-Sensitive Suns β Measurement Instrument to Characterize c-Si Solar Cells. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 69, 6429-6435 | 5.2 | 4 |
| 114 | Influence of Co-Sputtered Ag:Al Ultra-Thin Layers in Transparent VO/Ag:Al/AZO Hole-Selective Electrodes for Silicon Solar Cells. <i>Materials</i> , 2020 , 13, | 3.5 | 4 |
| 113 | Near 5% DMSO is the best: A structural investigation of PEDOT: PSS thin films with strong emphasis on surface and interface for hybrid solar cell. <i>Applied Surface Science</i> , 2020 , 499, 143967 | 6.7 | 26 |
| 112 | Satisfying both interfacial- and bulk requirements for organic photovoltaics: Bridged-triphenylamines with extended π -conjugated systems as efficient new molecules. <i>Organic Electronics</i> , 2019 , 73, 137-145 | 3.5 | 3 |
| 111 | Improved Electron Selectivity in Silicon Solar Cells by Cathode Modification with a Dipolar Conjugated Polyelectrolyte Interlayer. <i>ACS Applied Energy Materials</i> , 2019 , 2, 5954-5959 | 6.1 | 4 |
| 110 | Multicrystalline Silicon Thin-Film Solar Cells Based on Vanadium Oxide Heterojunction and Laser-Doped Contacts. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019 , 216, 1900393 | 1.6 | 4 |
| 109 | Germanium photovoltaic cells with MoOx hole-selective contacts. <i>Solar Energy</i> , 2019 , 181, 357-360 | 6.8 | 10 |
| 108 | Influence of a Gold Seed in Transparent V2Ox/Ag/V2Ox Selective Contacts for Dopant-Free Silicon Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2019 , 9, 72-77 | 3.7 | 5 |
| 107 | Defect states assisted charge conduction in Au/MoO3/n-Si Schottky barrier diode. <i>Materials Research Express</i> , 2019 , 6, 036303 | 1.7 | 10 |

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| 106 | Interdigitated back-contacted crystalline silicon solar cells with low-temperature dopant-free selective contacts. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 3977-3985 | 13 | 36 |
| 105 | Transport mechanisms in silicon heterojunction solar cells with molybdenum oxide as a hole transport layer. <i>Solar Energy Materials and Solar Cells</i> , 2018 , 185, 61-65 | 6.4 | 29 |
| 104 | V2Ox-based hole-selective contacts for c-Si interdigitated back-contacted solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 9182-9189 | 13 | 78 |
| 103 | Superior performance of V 2 O 5 as hole selective contact over other transition metal oxides in silicon heterojunction solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 168, 221-226 | 6.4 | 90 |
| 102 | Fully low temperature interdigitated back-contacted c-Si(n) solar cells based on laser-doping from dielectric stacks. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 169, 107-112 | 6.4 | 12 |
| 101 | Interdigitated back contacted c-Si(p) solar cells with photovoltaic efficiencies beyond 22% 2017 , | | 2 |
| 100 | Origin of passivation in hole-selective transition metal oxides for crystalline silicon heterojunction solar cells. <i>Journal of Materials Research</i> , 2017 , 32, 260-268 | 2.5 | 102 |
| 99 | Passivating/hole-selective contacts based on V2O5/SiOx stacks deposited at ambient temperature. <i>Energy Procedia</i> , 2017 , 124, 584-592 | 2.3 | 24 |
| 98 | Analysis of temperature dependent current-voltage and capacitance-voltage characteristics of an Au/V2O5/n-Si Schottky diode. <i>AIP Advances</i> , 2017 , 7, 085313 | 1.5 | 43 |
| 97 | A prototype reactor for highly selective solar-driven CO2 reduction to synthesis gas using nanosized earth-abundant catalysts and silicon photovoltaics. <i>Energy and Environmental Science</i> , 2017 , 10, 2256-2266 | 35.4 | 87 |
| 96 | High efficiency ITO-free hybrid solar cell using highly conductive PEDOT:PSS with co-solvent and surfactant treatments. <i>Materials Letters</i> , 2017 , 186, 165-167 | 3.3 | 11 |
| 95 | Transition metal oxides as hole-selective contacts in silicon heterojunctions solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 145, 109-115 | 6.4 | 254 |
| 94 | Main properties of Al2O3 thin films deposited by magnetron sputtering of an Al2O3 ceramic target at different radio-frequency power and argon pressure and their passivation effect on p-type c-Si wafers. <i>Thin Solid Films</i> , 2016 , 619, 288-296 | 2.2 | 26 |
| 93 | PEDOT:PSS as an Alternative Hole Selective Contact for ITO-Free Hybrid Crystalline Silicon Solar Cell. <i>IEEE Journal of Photovoltaics</i> , 2016 , 6, 934-939 | 3.7 | 20 |
| 92 | Microscale Characterization of Surface Recombination at the Vicinity of Laser-Processed Regions in c-Si Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2016 , 6, 426-431 | 3.7 | 5 |
| 91 | Old Process for IBC c-Si Solar Cells Fabrication. <i>Energy Procedia</i> , 2016 , 92, 652-660 | 2.3 | 3 |
| 90 | Back Junction n-type Silicon Heterojunction Solar Cells with V2O5 Hole-selective Contact. <i>Energy Procedia</i> , 2016 , 92, 633-637 | 2.3 | 21 |
| 89 | IBC c-Si(n) Solar Cells Based on Laser Doping Processing for Selective Emitter and Base Contact Formation. <i>Energy Procedia</i> , 2016 , 92, 956-961 | 2.3 | 7 |

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|----|---|-----|----|
| 88 | Experimental determination of base resistance contribution for point-like contacted c-Si solar cells using impedance spectroscopy analysis. <i>Solar Energy Materials and Solar Cells</i> , 2015 , 141, 350-355 | 6.4 | 2 |
| 87 | Emitter formation using laser doping technique on n- and p-type c-Si substrates. <i>Applied Surface Science</i> , 2015 , 336, 182-187 | 6.7 | 8 |
| 86 | Low Surface Recombination in Silicon-Heterojunction Solar Cells With Rear Laser-Fired Contacts From Aluminum Foils. <i>IEEE Journal of Photovoltaics</i> , 2015 , 5, 805-811 | 3.7 | 10 |
| 85 | Large Stokes shift downshifting Eu(III) films as efficiency enhancing UV blocking layers for dye sensitized solar cells. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015 , 212, 203-210 | 1.6 | 20 |
| 84 | Laser Induced Forward Transfer for front contact improvement in silicon heterojunction solar cells. <i>Applied Surface Science</i> , 2015 , 336, 89-95 | 6.7 | 10 |
| 83 | Base contacts and selective emitters processed by laser doping technique for p-type IBC c-Si solar cells. <i>Energy Procedia</i> , 2015 , 77, 752-758 | 2.3 | 4 |
| 82 | Characterization of Transition Metal Oxide/Silicon Heterojunctions for Solar Cell Applications. <i>Applied Sciences (Switzerland)</i> , 2015 , 5, 695-705 | 2.6 | 66 |
| 81 | High efficiency interdigitated back-contact c-Si(p) solar cells 2015 , | | 2 |
| 80 | Study of the Surface Recombination Velocity for Ultraviolet and Visible Laser-Fired Contacts Applied to Silicon Heterojunction Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2015 , 5, 1006-1013 | 3.7 | 3 |
| 79 | Compositional influence on the electrical performance of zinc indium tin oxide transparent thin-film transistors. <i>Thin Solid Films</i> , 2014 , 555, 107-111 | 2.2 | 3 |
| 78 | Rear Contact Pattern Optimization based on 3D Simulations for IBC Solar Cells with Point-like Doped Contacts. <i>Energy Procedia</i> , 2014 , 55, 47-52 | 2.3 | 10 |
| 77 | Restrains in low dimensional organic semiconductor devices at high current densities. <i>Organic Electronics</i> , 2014 , 15, 211-215 | 3.5 | 1 |
| 76 | Recovery of Indium-tin-oxide/silicon Heterojunction Solar Cells by Thermal Annealing. <i>Energy Procedia</i> , 2014 , 44, 3-9 | 2.3 | 6 |
| 75 | Optimization of Laser Processes for Local Rear Contacting of Passivated Silicon Solar Cells. <i>Energy Procedia</i> , 2014 , 44, 234-243 | 2.3 | 6 |
| 74 | Influence of the density of states on the open-circuit voltage in small-molecule solar cells. <i>Organic Electronics</i> , 2014 , 15, 2553-2560 | 3.5 | 11 |
| 73 | On the observation of electron-hole liquid luminescence under low excitation in Al ₂ O ₃ -passivated c-Si wafers. <i>Physica Status Solidi - Rapid Research Letters</i> , 2014 , 8, 943-947 | 2.5 | 3 |
| 72 | Progress in silicon heterojunction solar cell fabrication with rear laser-fired contacts 2013 , | | 2 |
| 71 | New laser-based approaches to improve the passivation and rear contact quality in high efficiency crystalline silicon solar cells 2013 , | | 1 |

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|----|--|-----|----|
| 70 | Analysis of the dynamic short-circuit resistance in organic bulk-heterojunction solar cells: relation to the charge carrier collection efficiency. <i>Organic Electronics</i> , 2013 , 14, 1643-1648 | 3.5 | 10 |
| 69 | Surface passivation and optical characterization of Al ₂ O ₃ /a-SiC _x stacks on c-Si substrates. <i>Beilstein Journal of Nanotechnology</i> , 2013 , 4, 726-31 | 3 | 24 |
| 68 | Comparison between the density-of-states of picene transistors measured in air and under vacuum. <i>Synthetic Metals</i> , 2012 , 161, 2554-2557 | 3.6 | 9 |
| 67 | p-type c-Si solar cells based on rear side laser processing of Al ₂ O ₃ /SiC _x stacks. <i>Solar Energy Materials and Solar Cells</i> , 2012 , 106, 80-83 | 6.4 | 36 |
| 66 | Parameterization of local laser doping and laser-fired contacts for high efficiency c-Si solar cells. <i>Physics Procedia</i> , 2012 , 39, 693-701 | | 4 |
| 65 | Laser-fired contact optimization in c-Si solar cells. <i>Progress in Photovoltaics: Research and Applications</i> , 2012 , 20, 173-180 | 6.8 | 41 |
| 64 | Determination of the Density of States on N-type Ptc _{di} -c ₁₃ Organic Thin-film Semiconductor. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1435, 36 | | |
| 63 | Influence of wavelength on laser doping and laser-fired contact processes for c-Si solar cells 2012 , | | 2 |
| 62 | 2011 , | | 6 |
| 61 | Density-of-states in pentacene from the electrical characteristics of thin-film transistors. <i>Organic Electronics</i> , 2010 , 11, 1333-1337 | 3.5 | 37 |
| 60 | Surface recombination analysis in silicon-heterojunction solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2010 , 94, 282-286 | 6.4 | 8 |
| 59 | Development of LASER fired contacts on silicon heterojunction solar cells for the application to rear contact structures. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010 , 7, NA-NA | | 1 |
| 58 | Optical stability of small-molecule thin-films determined by Photothermal Deflection Spectroscopy. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1154, 1 | | 3 |
| 57 | Optimization of KOH etching process to obtain textured substrates suitable for heterojunction solar cells fabricated by HWCVD. <i>Thin Solid Films</i> , 2009 , 517, 3578-3580 | 2.2 | 46 |
| 56 | N-type PTCDI ₁₃ H ₂₇ thin-film transistors deposited at different substrate temperature. <i>Thin Solid Films</i> , 2009 , 517, 6271-6274 | 2.2 | 27 |
| 55 | Development of laser-fired contacts for amorphous silicon layers obtained by Hot-Wire CVD. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009 , 159-160, 23-26 | 3.1 | 2 |
| 54 | Optoelectronic properties of CuPc thin films deposited at different substrate temperatures. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 145102 | 3 | 40 |
| 53 | Defect states in pentacene thin films prepared by thermal evaporation and LangmuirBlodgett technique. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 2888-2891 | 3.9 | 7 |

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| 52 | Recombination rates in heterojunction silicon solar cells analyzed by impedance spectroscopy at forward bias and under illumination. <i>Solar Energy Materials and Solar Cells</i> , 2008 , 92, 505-509 | 6.4 | 55 |
| 51 | Progress in a-Si:H/c-Si heterojunction emitters obtained by Hot-Wire CVD at 200 °C. <i>Thin Solid Films</i> , 2008 , 516, 761-764 | 2.2 | 12 |
| 50 | Very low surface recombination velocity of crystalline silicon passivated by phosphorus-doped a-Si _x Ny:H(n) alloys. <i>Progress in Photovoltaics: Research and Applications</i> , 2008 , 16, 123-127 | 6.8 | 13 |
| 49 | Low temperature back-surface-field contacts deposited by hot-wire CVD for heterojunction solar cells. <i>Thin Solid Films</i> , 2008 , 516, 6782-6785 | 2.2 | 5 |
| 48 | Fullerene thin-film transistors fabricated on polymeric gate dielectric. <i>Thin Solid Films</i> , 2007 , 515, 7667-7670 | 2.2 | 8 |
| 47 | Improving the efficiency of light-emitting diode based on a thiophene polymer containing a cyano group. <i>Organic Electronics</i> , 2007 , 8, 641-647 | 3.5 | 10 |
| 46 | Photodiodes based on fullerene semiconductor. <i>Thin Solid Films</i> , 2007 , 515, 7675-7678 | 2.2 | 14 |
| 45 | Experimental observation of oxygen-related defect state in pentacene thin films. <i>Applied Physics Letters</i> , 2007 , 90, 092112 | 3.4 | 36 |
| 44 | Bifacial heterojunction silicon solar cells by hot-wire CVD with open-circuit voltages exceeding 600 mV. <i>Thin Solid Films</i> , 2006 , 511-512, 415-419 | 2.2 | 20 |
| 43 | Effect of buffer layer on minority carrier lifetime and series resistance of bifacial heterojunction silicon solar cells analyzed by impedance spectroscopy. <i>Thin Solid Films</i> , 2006 , 514, 254-257 | 2.2 | 26 |
| 42 | Characterization of bifacial heterojunction silicon solar cells obtained by hot-wire CVD. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1953-1957 | 3.9 | 4 |
| 41 | Low level optical absorption measurements on organic semiconductors. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1663-1667 | 3.9 | 17 |
| 40 | Copper phthalocyanine thin-film transistors with polymeric gate dielectric. <i>Journal of Non-Crystalline Solids</i> , 2006 , 352, 1778-1782 | 3.9 | 51 |
| 39 | Study of a thiophene-based polymer for optoelectronic applications. <i>Thin Solid Films</i> , 2006 , 497, 16-19 | 2.2 | 25 |
| 38 | Electronic properties of intrinsic and doped amorphous silicon carbide films. <i>Thin Solid Films</i> , 2006 , 511-512, 290-294 | 2.2 | 13 |
| 37 | Optoelectronic devices based on evaporated pentacene films. <i>Solar Energy Materials and Solar Cells</i> , 2005 , 87, 567-573 | 6.4 | 31 |
| 36 | Phosphorus-diffused silicon solar cell emitters with plasma enhanced chemical vapor deposited silicon carbide. <i>Solar Energy Materials and Solar Cells</i> , 2005 , 87, 667-674 | 6.4 | 10 |
| 35 | Accurate modeling and parameter extraction method for organic TFTs. <i>Solid-State Electronics</i> , 2005 , 49, 1009-1016 | 1.7 | 116 |

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| 34 | Crystalline silicon surface passivation with amorphous SiCx:H films deposited by plasma-enhanced chemical-vapor deposition. <i>Journal of Applied Physics</i> , 2005 , 98, 114912 | 2.5 | 21 |
| 33 | Flexible Pentacene/PMMA Thin-Film Transistors Fabricated on Aluminium Foil Substrates. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 871, 1 | | 2 |
| 32 | Transverse Electrical Transport in Pentacene Photodiodes. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 871, 1 | | |
| 31 | Improvement of crystalline silicon surface passivation by hydrogen plasma treatment. <i>Applied Physics Letters</i> , 2004 , 84, 1474-1476 | 3.4 | 30 |
| 30 | IR-study of a-SiCx:H and a-SiCxNy:H films for c-Si surface passivation. <i>Thin Solid Films</i> , 2004 , 451-452, 340-344 | 2.2 | 36 |
| 29 | Pentacene thin-film transistors with polymeric gate dielectric. <i>Organic Electronics</i> , 2004 , 5, 67-71 | 3.5 | 112 |
| 28 | Electrical characterization of pentacene thin-film transistors with polymeric gate dielectric. <i>Synthetic Metals</i> , 2004 , 146, 355-358 | 3.6 | 19 |
| 27 | Pentacene thin-film transistors on polymeric gate dielectric: device fabrication and electrical characterization. <i>Journal of Non-Crystalline Solids</i> , 2004 , 338-340, 617-621 | 3.9 | 36 |
| 26 | Substrate influence on the properties of doped thin silicon layers grown by Cat-CVD. <i>Thin Solid Films</i> , 2003 , 430, 157-160 | 2.2 | 4 |
| 25 | Surface passivation of crystalline silicon by Cat-CVD amorphous and nanocrystalline thin silicon films. <i>Thin Solid Films</i> , 2003 , 430, 270-273 | 2.2 | 16 |
| 24 | Pentacene thin-films obtained by thermal evaporation in high vacuum. <i>Thin Solid Films</i> , 2003 , 427, 367-370 | | 45 |
| 23 | Characterization and application of a-SiCx:H films for the passivation of the c-Si surface. <i>Thin Solid Films</i> , 2002 , 403-404, 476-479 | 2.2 | 9 |
| 22 | Surface passivation of n-type crystalline Si by plasma-enhanced-chemical-vapor-deposited amorphous SiCx:H and amorphous SiCxNy:H films. <i>Applied Physics Letters</i> , 2002 , 81, 4461-4463 | 3.4 | 46 |
| 21 | Characterization of a-SiCx:H Films for c-Si Surface Passivation. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 715, 2451 | | 6 |
| 20 | Electronic transport in low temperature nanocrystalline silicon thin-film transistors obtained by hot-wire CVD. <i>Journal of Non-Crystalline Solids</i> , 2002 , 299-302, 400-404 | 3.9 | 8 |
| 19 | Thin-film transistors with polymorphous silicon active layer. <i>Journal of Non-Crystalline Solids</i> , 2002 , 299-302, 1345-1350 | 3.9 | 10 |
| 18 | Optoelectronic studies in nanocrystalline silicon Schottky diodes obtained by hot-wire CVD. <i>Thin Solid Films</i> , 2001 , 383, 258-260 | 2.2 | 1 |
| 17 | Analysis of bias stress on thin-film transistors obtained by Hot-Wire Chemical Vapour Deposition. <i>Thin Solid Films</i> , 2001 , 383, 307-309 | 2.2 | 19 |

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|----|---|-----|-----|
| 16 | Thin silicon films ranging from amorphous to nanocrystalline obtained by hot-wire CVD. <i>Thin Solid Films</i> , 2001 , 383, 189-191 | 2.2 | 4 |
| 15 | Stability of hydrogenated nanocrystalline silicon thin-film transistors. <i>Thin Solid Films</i> , 2001 , 395, 335-338. | 3.2 | 26 |
| 14 | Kelvin probe measurements of microcrystalline silicon on a nanometer scale using SFM. <i>Solar Energy Materials and Solar Cells</i> , 2001 , 66, 171-177 | 6.4 | 10 |
| 13 | Microcrystalline silicon thin film transistors obtained by hot-wire CVD. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2000 , 69-70, 526-529 | 3.1 | 13 |
| 12 | Optimisation of doped microcrystalline silicon films deposited at very low temperatures by hot-wire CVD. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2000 , 69-70, 278-283 | 3.1 | 25 |
| 11 | Structure of microcrystalline silicon films deposited at very low temperatures by hot-wire CVD. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2000 , 69-70, 536-541 | 3.1 | 2 |
| 10 | Microdoping compensation of microcrystalline silicon obtained by hot-wire chemical vapour deposition. <i>Solar Energy Materials and Solar Cells</i> , 2000 , 63, 237-246 | 6.4 | 6 |
| 9 | Comparative study of microcrystalline silicon films prepared in low or high pressure regime by hot-wire chemical vapor deposition. <i>Journal of Non-Crystalline Solids</i> , 2000 , 266-269, 385-390 | 3.9 | 2 |
| 8 | Thin film transistors obtained by hot wire CVD. <i>Journal of Non-Crystalline Solids</i> , 2000 , 266-269, 1304-1309 | 3.9 | 22 |
| 7 | Analysis of the role of mobility-lifetime products in the performance of amorphous silicon p-i-n solar cells. <i>Journal of Applied Physics</i> , 1999 , 85, 2939-2951 | 2.5 | 8 |
| 6 | Investigation of defect formation and electronic transport in microcrystalline silicon deposited by hot-wire CVD. <i>Physica B: Condensed Matter</i> , 1999 , 273-274, 540-543 | 2.8 | 4 |
| 5 | The role of the buffer layer in the light of a new equivalent circuit for amorphous silicon solar cells. <i>Solar Energy Materials and Solar Cells</i> , 1999 , 57, 153-165 | 6.4 | 11 |
| 4 | Stress in Hydrogenated Microcrystalline Silicon Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 557, 537 | | 3 |
| 3 | Improved equivalent circuit and analytical model for amorphous silicon solar cells and modules. <i>IEEE Transactions on Electron Devices</i> , 1998 , 45, 423-429 | 2.9 | 173 |
| 2 | Optical and electrical characteristics of LEDs based on a single organic layer | | 1 |
| 1 | Organic electronic devices: overview and future trends | | 1 |