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4BP.2.3	Progress in Mini-Modules from a CuInS ₂ Baseline Process <i>J. Klaer, R. Klenk, D. Abou-Ras, R. Scheer, H.-W. Schock</i>	1801
4BP.2.4	Industrial Upscaling of CdTe/CdS Thin Film Solar Cells <i>N. Romeo, A. Bosio, A. Romeo, S. Mazzamuto</i>	1806

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4BO.4.5	Evaporated Indium Sulphide as Buffer Layer in Cu (In,Ga) Se ₂ -Based Solar Cells <i>S. Spiering, S. Chowdhury, A. Dresel, D. Hariskos, A Eicke, M. Powalla</i>	1847
4BO.4.6	Ultrasonically Sprayed In ₂ S ₃ Films for Cu(In,Ga)Se ₂ Solar Cells <i>K. Ernits, M. Kaelin, D. Brémaud, T. Meyer, U. Müller, A.N. Tiwari</i>	1853

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4DO.6.4	Study of gallium incorporation in electrodeposited Cu(In,Ga)Se ₂ thin Films: Morphological and Composition Control for 7% Efficient Solar Cells <i>O. Ramdani, J.F. Guillemoles, D. Lincot, P.P. Grand, E. Chassaing, O. Kerrec</i>	1866
4DO.6.5	Structural and Optical Characterization of CuInSe ₂ Thin Films Prepared by Spin Coating Technique <i>S. Merdes, M. Sugiyama, M. Sano, Z. Hadjoub, H. Nakanishi, S. Ando</i>	1870
4DO.6.6	Interface Chemistry Between the Sputter-Zn _{1-x} Mg _x O Buffer and the Cu(In,Ga)(S,Se) ₂ Absorber <i>C. Loreck, I. Lauermann, A. Grimm, R. Klenk, M. Bär, S. Lehmann, S. Sokoll, M.C. Lux-Steiner, F. Erfurth, L. Weinhardt, C. Heske, S. Visbeck, T.P. Niesen, C. Jung, C.-H. Fischer</i>	1874

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4AV.1.2	Flexible CdTe Solar Cell on Polikethanil Substrate in BIPV Applications <i>M. Sibinski, Z. Lisik, A. Iwan, D. Sek</i>	1878
4AV.1.3	Comparative Study of In ₂ S ₃ Buffer Layers Prepared by Flash Evaporation and Chemical Bath Deposition <i>Y. Amira, K. Bouabid, A. Ihlal, A. Outzourhit, E.L. Ameziane, G. Nouet</i>	1881
4AV.1.5	Control of Electron Carrier Density in Polycrystalline Iron Pyrite (FeS ₂) Thin Films by Al <i>Y. Nasuno, N. Kohama, T. Hayakawa, H. Taniguchi, M. Shimizu</i>	1885
4AV.1.8	Residual Stresses and Structure Properties of DC Sputtered Molybdenum Films <i>W. Li, Y. Sun, Y.X. Wang, H.K. Cai, F. Liu, Q. He, F. Li</i>	1887
4AV.1.11	Effects of Substrate Temperature on Indium Tin Oxide Films Deposited Using High Target Utilisation Sputtering <i>S. Calnan, H.M. Upadhyaya, H.L. Du, M.J. Thwaites, A.N. Tiwari</i>	1890
4AV.1.12	Properties of Thermally Treated n-ZnN Fabricated from ZnN Target by Sputtering and Conversion into p-ZnO for Photovoltaic Applications <i>E. Aperathitis, M. Androulidaki, P. Voulgaropoulou, V. Kambilařka, V. Sály, M. Ruzinsky, P. Prokein</i>	1894
4AV.1.13	Investigation on the Properties of ZnN Thin Films Fabricated by Magnetron Sputtering from ZnN Target for Solar Cell Applications <i>E. Aperathitis, M. Androulidaki, S. Dounis, P. Voulgaropoulou, V. Kambilařka, M. Ruzinsky, V. Sály, P. Prokein</i>	1898
4AV.1.15	Investigation of the Back Contacts on CdS/CdTe Solar Cells <i>W. Li, L. Feng, Y. Cai, J. Zheng, W. Cai, J. Zhang, B. Li, L. Wu, Z. Lei, Q. Luo</i>	1902

4AV.1.20 The Application of the Taguchi Methodology to Investigate Common Growth Treatments in Cadmium Telluride Solar Cells 1905
R.L. Rowlands, V. Barrioz, S.J.C. Irvine, D.A. Lamb

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4BV.4.1 Widegap Sulfide-Based Semiconductor Thin Films on Transparent and Conductive Substrates for Multijunction Photovoltaic Devices 1909
C. Guillén, J. Herrero

4BV.4.2 Indium Recovery from CBD Bath of In₂(O,S)₃ Thin Films for CIS Cells 1913
B. Malinowska, J. Petit, M. Rakib, G. Durand

4BV.4.4 Electrical Properties of p-Cu(In,Ga)Se₂ Thin Films 1917
V.A. Ivanov, V.F. Gremenok, E.P. Zaretskaya, I.A. Victorov, M.S. Tivanov, V.B. Zalesski, K. Bente

4BV.4.5 Structural and Optical Properties of Cu (In,Ga) (S,Se)₂ Absorber Layers Obtained by Two -Step Growth 1920
E.P. Zaretskaya, V.F. Gremenok, A.V. Mudryi, M.S. Tivanov, V.B. Zalesski, T.R. Leonova, S. Zukotynski, K. Bente

4BV.4.7 Role of Oxygen and Sulphur in Enhancing N and P-types Conductivities of CuInS₂ Thin Films 1924
M. Ben Rabeh, M. Zribi, M. Kanzari, B. Rezig

4BV.4.10 Resistance, Power Loss, and Adhesion of Contact Tapes on CIGS Modules 1929
K. Herz, S. Schröder, M. Powalla

4BV.4.12 Study of Cr Barrier Layer in Flexible CIGS Solar Cell 1933
L.Z. Zhang, Q. He, C. Xu, Y. Xue, C. Wang, C. Li, Y. Sun

4BV.4.13 Structural and Optical Characterization of Cu(In,Ga)Se₂ Thin Films on Flexible Polyimide Substrates 1937
A.V. Mudryi, V.F. Gremenok, A.V. Ivaniukovich, K. Otte, A. Braun

4BV.4.15 Electrodeposition of Copper Indium Gallium Sulphur Selenide Thin Films Using a Two-Electrode System for Applications in Solar Cells 1941
I.M. Dharmadasa, N.B. Chaure, O. Islam, J. Wellings, T. Maddock

4BV.4.16 Two Colloidal Syntheses of CuInS₂ Particles for Solar Cell Applications 1946
F.M. Courtel, R. Imbeault, A. Hammami, R.W. Paynter, M. Morin, B. Marsan

4BV.4.17 Effect of Sulfurization on Thin Film Cu(InGa)Se₂ Solar Cells 1950
U.P. Singh, W.N. Shafarman

4BV.4.18 Non-Vacuum Process for CIGS Absorber Layer from Nanoparticle Precursors 1953
S.J. Ahn, K.H. Kim, K.H. Yoon

4BV.4.19 CIS Absorber Layer by Non-Vacuum Deposition and Selenization of Low Cost Precursors 1956
S.J. Ahn, C.W. Kim, K.H. Yoon

4BV.4.20 CuInGa(Se,S)₂ and CuIn(Se,S)₂ - Based Devices Manufactured from Homogeneous Single-Phase Absorber Films 1958
C.J. Sheppard, V. Alberts

4BV.4.21 Stability of CuInS₂ Module Test Structures Under Reverse Bias Stress 1962
C. Köble, J. Klaer, R. Klenk, M.C. Lux-Steiner

4BV.4.23 Testing of Flexible, Cu(In,Ga)Se₂ Based, Thin Film Solar Cells in View of Space Applications 1965
C.A. Kaufmann, A. Neisser, T. Unold, R. Klenk, H.-W. Schock, F. Kessler, R. Kniese, D. Herrmann, M. Powalla, M. Kroon, G. Oomen, D. Slootweg

4BV.4.24 Characterization of CuInS₂ Films Deposited by a Low-Cost Method 1969
T. Todorov, E. Cordoncillo, J. Carda, P. Escrivano

4BV.4.25 Effect of the Deposition Conditions on the Uniformity of CuInS₂ Thin Films Prepared by Electro spray Deposition 1973
S. Roncallo, J.D. Painter, M.A. Cousins, K.D. Rogers, D.W. Lane

4BV.4.27 Confocal Luminescence and Focused LBIC With Lateral Sub-Micron Resolution in Cu(In_{0.7}Ga_{0.3})Se₂-Heterodiodes in Short Circuit 1979
G.H. Bauer, L. Gütay

4BV.4.29	Photoluminescence and Raman Spectroscopy on Doped CuInS ₂ Thin Films for Solar Cells <i>T. Enzenhofer, T. Unold, H.-W. Schock</i>	1983
4BV.4.33	Study of the Properties of Sulphide Buffer Layers as a Function of Deposition Parameters and Annealing <i>A. Németh, V. Rakovics, E.B. Kuthi, Z. Lábadi, A. Nemesics, S. Püspöki, A.L. Tóth, I. Bársony</i>	1986
4BV.4.36	Stability in Cu(In,Ga)Se ₂ Solar Cells With EVA Encapsulation in Varying Damp Heat Conditions <i>U. Malm, T. Carlsson, M. Edoff</i>	1990
4BV.4.38	Photoluminescence and Photocurrent Experiments on Cu (In,Ga) Se ₂ Solar Cells With Lateral Submicron Resolution <i>L. Güttay, G.H. Bauer</i>	1994
4BV.4.39	Physical Properties of CuAl _{1-x} In _x Se ₂ Produced by Selenisation of Cu/Al/In(Se) Precursor Layers <i>G. Zoppi, I. Forbes, P. Nasikkar, R.W. Miles</i>	1998
4BV.4.40	Phase Separation in Cu(In,Ga)Se ₂ Absorbers - Kinetics of the Selenisation of Gallium Containing Metal Alloys <i>M. Purwins, M. Schmid, P. Berwian, G. Müller, S. Jost, F. Hergert, R. Hock</i>	2002
4BV.4.44	Electrical Characterization of CIGSe-Based Photovoltaic Devices With Zn(O,S) and (Zn,Mg)O Buffers <i>P. Zabierowski, C. Platzer-Björkman, M. Cwil</i>	2006
4BV.4.46	Sodium Incorporation for CIGS Solar Cell by Na-Doped Mo Layer <i>J.H. Yun, K.H. Kim, M.S. Kim, B.T. Ahn, S.J. Ahn, J.C. Lee, K.H. Yoon</i>	2011
4BV.4.47	Recycling of Thin-Film Solar Modules Life Cycle Assessment Case Study <i>M. Shibasaki, N. Warburg, J. Springer, S. Lombardelli</i>	2014
4BV.4.48	Crystal Growth and Characterization of Cu-Based Quaternary Compounds With Chalcopyrite-Like Structure for Thin Film Solar Cells <i>H. Matsushita, A. Katsui</i>	2018
4BV.4.49	Control of Radiation Heat Transfer in Vacuum System for the Preparation of Chalcopyrite Films <i>M. Warzecha, H. Jankowski, T. Pisarkiewicz</i>	2023
4BV.4.52	Fabrication of Flexible CIGS Cell on Stainless Steel Substrate by Co-Evaporation Process <i>M.S. Kim, J.H. Yun, B.T. Ahn, K.H. Yoon</i>	2028

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5CP.3.2	Design of a 200W 3-Phase Module Integrated PV Inverter as Part of the European Project PV-MIPS <i>A. Engler, H. Müller, N. Henze, T. Bülo, A. Notholt Vergara, B. Sahan, A. Zimpfer</i>	2038
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5BO.5.3	Method for Characterization of Moisture Ingress at Laminated Glass / Polymer Encapsulant Interfaces <i>T. Carlsson, P. Kontinen, J. Halme, P. Lund</i>	2061
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