

Reference:

1. Abdel-Khalik S. I., Randall K. R., 1978, "Natural Convection in Compound Parabolic Concentrators-A Finite Element Solutions", *Transactions of the ASME Journal of Solar Energy Engineering*, Vol. 100, Pp.199-204.
2. Aberle A. G., Lauinger T., Bowden S., Wegener S., Betz G., "SUNALYZER-A Powerful and Cost-Effective Solar Cell I-V Tester for the Photovoltaic Community", *25th IEEE Photovoltaic Specialists Conference*, Washington.
3. Aberle A. G., Wenham S. R., Green M. A., 1993, "A New Method for Accurate Measurements of the Lumped Series Resistance of Solar Cells", *IEEE*, Pp. 133-139.
4. Alsema E. A., 2000, "Energy Pay-Back Time and CO₂ Emissions of PV Systems", *Progress In Photovoltaics: Research and Applications*, Vol. 8, Pp. 17-25.
5. Alferov Z., 2000, "Heterostructure Solar Cells for concentrator photovoltaics", *Nobel Lecture 2000*, 8th December 2000, Stockholm.
6. Alsema E. A., Frankl P., Kato K., 1998, "Energy Pay-Back Time of Photovoltaic Energy Systems: Present Status and Prospects", *2nd World Conference And Exhibition On Photovoltaic Solar Energy Conversion*, Vienna, Austria, Pp. 2125-2130.
7. Alsema E. A., Nieuwlaar E., 2000, "Energy Viability of Photovoltaics Systems", *Energy Policy*, Vol. 28, Pp. 999-1010.
8. Altermatt P. P., Heiser G., Kiesewetter T., McIntosh K. R., Honsberg C. B., Wenham S. R., Green M. A., 1997, "Establishing An Accurate Numerical Model For the 2D-Simulation of Buried Contact Cells", *26th IEEE Photovoltaic Specialist Conference*, Anaheim, CA.
9. Andersson B. A., Jacobsson S., 2000, "Monitoring And Assessing Technology Choice: The Case of Solar Cells", *Energy Policy*, Vol. 28, Pp. 1037-1049.
10. Andreev V. M., Rumyantsev V. D., 1996, "A³B⁵ Based Solar Cells and Concentrating Optical Elements For Space PV Modules", *Solar Cells*, Vol. 44, Pp. 319-332.
11. Luque A., Miñano J. C., 1991, "Optical Aspects in Photovoltaic Energy Conversion", *Solar Cells*, Vol. 31, Pp. 237-258.
12. Araki K, Yamaguchi M., 2003, "Extended Distributed Model for Analysis of Non-Ideal Concentration Operation", *Solar Energy Materials & Solar Cells*, Vol. 75, Pp. 467-473.
13. Arvizu D. E., 1984, "Development of the Sandia 200X Experimental Silicon Module", *17th IEEE Photovoltaic Specialist Conference*, Pp. 805-813.
14. Asl-Soleimani E., Farhangi S., Zabihi M. S., 2001, "The Effect of Tilt Angle, Air Pollution on Performance of Photovoltaic Systems in Tehran", *Renewable Energy*, Vol. 24, Pp. 459-468.
15. Awerbuch S., 2000, "Investing In Photovoltaics: Risk, Accounting and the Value of New Technology", *Energy Policy*, Vol. 28, Pp. 1023-1035.
16. Bailey S., Brinker D., Curtis H., Jenkins P., Scheiman D., 1997, "Solar Cell Calibration and Measurement Techniques", *NASA Technical Memorandum-113155*, IECEC-97534.

17. Ballard I., Barnham K. W.J., Nelsonj., Connolly J. P., Roberts C., Roberts J. S., Pate M. A., 1998, “The Effect of Temperature on The Efficiency of Multi-Quantum Well Solar Cells”, *2nd World Conference And Exhibition On Photovoltaic Solar Energy Conversion*, Vienna, Austria, Pp. 3624-3626.
18. Bansal N. K., Mathur R., Bhandari M. S., 1994, “A Study of Solar Chimney Assisted Wind Tower System for Natural Ventilation in Buildings”, *Building and Environment*, Vol. 29. No. 4, Pp. 495-500.
19. Bartlau J., Adlhelm R., Bücher K., 1998, “Measurement Of The Efficiency (Power) Temperature Coefficient Of Tandem Solar Cells” *2nd World Conference And Exhibition On Photovoltaic Solar Energy Conversion*, Vienna, Austria, Pp. 3646-3649.
20. Barnett M. E., 1980, “Phase Space Conservation in a Compound Parabolic Optical Concentrator”, *Optik*, Vol. 55(4), Pp. 343-350.
21. Barnett M. E., 1980, “Optical Flow in an Ideal Light Collector: The θ_l/θ_0 Concentrator”, *Optik*, Vol. 57(3), Pp. 391-400.
22. Bazilian M. D., Leenders F., Van Der Ree B. G. C., Prasad D., 2001, “Photovoltaic Cogeneration in the Built Environment”, *Solar Energy*, Vol. 71, No. 1, Pp. 57-69.
23. Baskaran A., Kashef A., 1996., “Investigation of Air Flow Around Buildings Using Computational Fluid Dynamics Techniques”, *Engineering Structures*, Vol. 18, No. 11, Pp. 861-875.
24. Basore P., 1996, “Recent Review of Si Cell and Module Technologies”, *Progress in Photovoltaics*.
25. Beavis L. C., 1984, “Unique Material Challenges In Photovoltaic Concentrator Modules”, *IEEE*, Pp.821-826.
26. Benemann J., Chehab O., Schaar-Gabrial E., 2001, “Building-Integrated PV Modules”, *Solar Energy Materials & Solar Cells*, Vol. 67, Pp. 345-354.
27. Benítez P., Mohendano R., Miñano J. C., 1997, “DSMTS: A Novel Linear PV Concentrator”, *26th PVSC*, Anaheim, CA, Pp. 1145-1148.
28. Berner J. P., 1991, “Cost Reduction Technology for High-Efficiency Photovoltaics: Research Issues and Progress”, *22nd IEEE Photovoltaic Specialist Conference*, Pp. 7-11.
29. Blaesser G., Rossi E., 1988, “Extrapolation of Outdoor Measurements of PV Array I-V Characteristics to Standard Test Conditions”, *Solar Cells*, Vol. 25, Pp. 91-96.
30. Bloem J. J., Ossenbrink H. A., 1995, “Thermal Aspects of PV Integration Buildings”, *13th European Photovoltaic Solar Energy Conference*, Nice, France, Pp. 2195-2198.
31. Bowden S., Wenham S. R., Green M. A., 1995, “Application of Static Concentrators to Photovoltaic Roof Tiles”, *Progress in Photovoltaics: Research and Applications*, Vol. 3, Pp. 413-423.
32. Bowden S., Wenham S. R., Coffey P., Dickinson M., Green M. A., 1993, “High Efficiency Photovoltaic Roof Tile With Static Concentrator”, *IEEE*, Pp. 1068-1072.

33. Braga C. V. M., Saboya F. E. M., 1999, "Turbulent Heat Transfer, Pressure Drop and Fin Efficiency in Annular Regions with Continuous Longitudinal Rectangular Fins", *Experimental Thermal and Fluid Science*, Vol. 20, Pp. 55-65.
34. Brendel, R., Harrsch, M., Plieninger, R. And Werner, J. H., 1995, *Proc. 13 European Photovoltaic Solar Energy Conf.*, H.S. Stephens and Assoc., Bedford, U.K, PP. 432-435.
35. Brinkworth B. J., 2000, "A Procedure for the Routine Calculation of Laminar Free and Mixed Convection in Inclined Ducts", *Heat and Fluid Flow*, Vol. 21, Pp. 456-462.
36. Brinkworth B. J., Cross B. M., Marshall R. H., Hongxing Y., 1997, "Thermal Regulation of Photovoltaic Cladding", *Solar Energy*, Vol. 61, No. 3, Pp. 169-178.
37. Brinkworth B. J., Marshall R. H., And Ibarahim Z., 2000, "A Validated Model of Naturally Ventilated PV Cladding", *Solar Energy*, Vol. 69, No. 1, Pp.67-81.
38. Brinkworth B. J., 2000, "Estimation Of Flow And Heat Transfer For the Design of PV Cooling Ducts", *Solar Energy*, Vol. 69, No. 5, Pp. 413-420.
39. Brooks R. G., Probert S. D., Maxwell J., 1968, "Field Mach-Zender Interferometer for Heat Transfer Studies", *Measurement And Control*, Vol. 1, Pp. T9-T16.
40. Brunotte M., Goetzberger A., Blieske U., 1994, "Doubling The Concentration Of One-Axis Tracking Parabolic Through Collectors By A New Second-Stage Design", *SPIE*, Vol. 2255, Pp. 557-566.
41. Brunotte M., Mills D. R., 1995, "Cell Area Reduction in a Polar-Axis Tracked PV/Through System Using a 3D Second Stage", ISES Solar World Congress, Harare, Pp.1-8.
42. Butson J., 1999, "BIPV: The Potential, the Barriers and the Opportunities", *Progress In Photovoltaics: 2nd DTI/EPSRC Conference*.
43. Bücher K., Kleiss G., And Bätzner D., 1998, "Photovoltaic Module in Buildings: Performance and Safety", *Renewable Energy*, Vol. 15, Pp. 545-551.
44. Chegaar M., Ouennoughi Z., Hoffmann A., 2001, "A New Method for Evaluating Illuminated Solar Cell Parameters", *Solid-State Electronics*, Vol. 45, Pp. 293-296.
45. Chen Y. T., Chong K. K., Blich T. P., Chen L. C., Jasmy Y., Kannan K. S., Lim B. H., Lim C. S., Alias M. A., Bidin N., Aliman O., Salehan S., Rezan S.A.H. Shk. Abd., Tam C. M., Tan K. K., 2001, "Non-Imaging, Focusing Heliostat", *Solar Energy*, Vol. 71, No. 3, Pp. 155-164.
46. Chew T. C., Wijeyesundara N. E., Tay A. O., 1988, "An Experimental Study of Free Convection in Compound Parabolic Concentrator (CPC) Cavities", *Transactions of the ASME Journal of Solar Energy Engineering*, Vol. 110, Pp. 293-298.
47. Chew T. C., Tay A. O., Wijeyesundara N. E., 1989, "A Numerical Study Of The Natural Convection In CPC Solar Collector Cavities With Tubular Absorbers", *Transactions of the ASME Journal of Solar Energy Engineering*, Vol. 111, Pp. 16-23.
48. Chow, P. P., 1991, Thin Film Processes II, Ed. J. L. Vossen and W. Kern., *Academic Press*, New York, Pp. 133-176.
49. Clarke J, A., Jhnstone C., Kelly N., Strachan P, A., (year), "The Simulation of Photovoltaic-Integrated Building Facades".

50. Close J., 2001, "BIPV For The High-Temperature, High-Risk, High-Density Cities Of S. China: The Related Projects Of PV HKU Research Group To Facilitate BIPV Application", *Solar Energy Materials & Solar Cells*, Vol. 67, Pp. 449-458.
51. Clugston D. A., Basore P. A., 1997, "PC1D Version 5: 32-Bit Solar Cell Modelling of Personal Computers", 26th IEEE Photovoltaic Specialist Conference, Anaheim, CA.
52. Collares-Pereira M., Rabl A., 1979, "Simple Procedure For Predicting Long Term Average Performance Of Nonconcentrating And Of Concentrating Solar Collectors", *Solar Energy*, Vol. 23, Pp 235-253.
53. Colle S., De Abreu S. L., Rüther R., 2001, "Uncertainty In Economical Analysis Of Solar Water Heating And Photovoltaic Systems" *Solar Energy*, Vol. 70, No. 2, Pp. 131-142.
54. Corkish R., Honsberg C. B., 1997, "Dark Currents in Double-Heterostructure and Quantum-Well Solar Cells", 26th IEEE Photovoltaic Specialist Conference, Anaheim, CA.
55. Cuevas A., Sinton R. A., Kerr M., Macdonald D., Mäckel H., 2002, "A Contactless Photoconductance Technique to Evaluate the Quantum Efficiency of Solar Cell Emitters", *Solar Energy Materials & Solar Cells*, Vol. 71, Pp. 295-312.
56. Crane, R. A., Verlinden, P.J. And Swanson, R. M., 1996, Proc. 25th IEEE Photovoltaic Spec. Conf. IEEE, New York, Pp. 529-532.
57. Crick F. J., Wilshaw A., Pearsall N., Hynes K., Shaw M., Young G., Baker P., 1998, "PV Cladding Thermal Gains: Experimental Results From Three PV Cladding Systems Investigating The Effects Of Design On The Operational Temperatures", 2nd World Conference And Exhibition On Photovoltaic Solar Energy Conversion, Vienna, Austria, Pp. 2062-2065.
58. Critoph R. E., Holland M. K., Fisher M., 1999, "Comparison of Steady State and Transient Methods for Measurement of Local Heat Transfer in Plate Fin-Tube Heat Exchangers Using Liquid Crystal Thermography with Radiant Heating", *Int. J. Heat and Mass Transfer*, Vol. 42, Pp. 1-12.
59. Cross B. M., 1994, "Development, Testing and First Installations of an Integrated Solar Roof System", 1st WCPEC, Hawaii, Pp. 1020-1023.
60. Dadu, Meena., Kapoor, A., Tripathi, K. N., 2002, "Effect of Operating Current Dependent Series Resistance on the Fill Factor of a Solar Cell", *Solar Energy Materials & Solar Cells*, Vol. No. 71, Pp. 213-218.
61. Dadu, Meena., Kapoor, A., Tripathi, K. N., 2000, "Effect of Variation of I_{01}/I_{02} on Short-Circuit and Fill Factor of a Real Solar Cell Having Resistive and Current Leakage Losses", *Solar Energy Materials & Solar Cells*, No. 69, Pp. 353-359.
62. DeMeo E. A., 1991, "Photovoltaics For Bulk Power Applications: Cost/Performance Targets And Technology Prospects", 10th European Photovoltaic Solar Energy Conference, Lisbon, Portugal, Pp. 1269-1276.
63. Dones R., Frischknecht R., 1998, "Life-Cycle Assessment Of Photovoltaic Systems: Result Of Swiss Studies On Energy Chains", *Progress In Photovoltaics:Research And Applications*, Vol. 6, Pp. 117-125.

64. Doria J., Blanco M. E., Gomez-Leal E., Gordon J. M., 1985, "Optimum Low Concentration Collectors For Photovoltaic Applications", IEEE, Pp.107-111.
65. DTI 2000c, "offshore wind industries capabilities in the UK", ETSU W/35/00530/REP.
66. DTI 2000d, "Summaries of the bio mass projects carried out as part of the department of trade and industries new and renewable energy programme", ETSU BM/04/00048/REP/1
67. DTI, 2000e, "Geothermal energy in UK", <http://www.dti.gov.uk/renewable/pdf/tech4.pdf>.
68. DTI 2000f, "Update of the data base of the photovoltaic installation in the UK", ETSUS/P2/00301/REP
69. DTI 2000g, "Monitoring of successful renewables obligation small hydro projects", ETSU/H/01/00049/00/REP
70. DTI, 2001a, "The economic impact of renewable energy", K/PL/00121/REP
71. DTI, 2000h, "Solar energy: remote PV- Marine applications", ECS11
72. DTI, 2000i, "Active solar heating system performance and data review", ETSUS/P3/00270/REP
73. Eager S., Mason N., Bruton T., Sherborne J., Russell R., 2002, "Environmentally Friendly Processes in the Manufacture of Saturn Solar Cells", 29th IEEE PVSC, New Orleans, USA.
74. Eames P. C., Zacharopoulos A., Norton B., 1997, "Integrated Non-Imaging Concentrator Photovoltaic Building Façades", *Proceedings ICBEST*, Pp. 369-374.
75. Eames P. C., Norton B., 1991, "The Computer-Aided Design Of Line Axis Concentrating Solar Energy Collectors", *Sun At Work In Europe*, Vol. 6, No. 1, Pp. 12-14.
76. Eames P. C., Smyth M., Norton B., 2001, "The Experimental Validation Of A Comprehensive Unified Model For Optics And Heat Transfer In Line-Axis Solar Energy Systems", *Solar Energy*, Vol. 71, No. 2, Pp. 121-133.
77. Eames P. C., And Norton B., 1995, "Thermal And Optical Consequences Of The Introduction Of Baffles Into Compound Parabolic Concentrating Solar Energy Collector Cavities", *Solar Energy*, Vol. 55, No. 2, Pp. 139-150.
78. Eames P. C., Norton B., 1991, "A Nonlinear Steady-State Characteristic Performance Curve For Medium-Temperature Solar Energy Collectors", *Transactions Of The ASME Journal Of Solar Energy Engineering*, Vol. 113, Pp. 164-171.
79. Ebong A., Cho Y. H., Hilali M., Rohatgi A., Ruby D., 2002, "Rapid Thermal Technologies for High-Efficiency Silicon Solar Cells", *Solar Energy Materials & Solar Cells*, Vol. 74, Pp. 51-55.
80. Eicker U., Hoefker G., Seeberger P., Fux V., Infield D., 1998, "Building Integration Of PV And Solar Air Heaters For Optimised Heat And Electricity Production", 2nd World Conference And Exhibition On Photovoltaic Solar Energy Conversion, Vienna, Austria, Pp. 2702-2705.
81. El-Adawi M. K., Al-Nuaim I. A., 2001, "A Method to Determine the Solar Cell Series Resistance from a Single I-V Characteristis Curve Considering its Shunt Resistance- New Approach", *Vacuum*, No. 64, Pp. 33-36.
82. Erel S., 2002, "The effect of electric and Magnetic fields on the operation of a photovoltaic cell", *Solar Energy Materials & Solar Cells*, Vol. No.71, Pp. 273-280.

83. Eyre N., 2001, "Carbon reduction in the World: how the UK will surpass its Kyoto obligations", Climate Policy, Pp.309-326.
84. Fabbri G., 1998, "Heat Transfer Optimization in Internally Finned Tubes Under Laminar Flow Conditions", Int. J. Heat Mass Transfer, Vol. 41, No. 10, Pp. 1243-1253.
85. Fan, J. C. C., McClelland, R. W. And King, B. D., Proc. 17th IEEE Photovoltaic Specialists Conf. IEEE, New York, 1984, Pp. 462-468.
86. Fanney A, H., Dougherty B, P., 2001, "Building Integrated Photovoltaic Test Facility", Transaction of the ASME: The Journal of Solar Energy Engineering, Vol. 123, No. 2, Pp.-194-199.
87. Feuermann D., Gordon J. M., 2001, "High- Concentration Photovoltaic Designs Based On Miniature Parabolic Dishes", *Solar Energy*, Vol. 70, No.5, Pp. 423-430.
88. Field H., 1997, "Solar Cell Spectral Response Measurement Errors Related to Spectral Band Width and Chopped Light Waveform", 26th IEEE Photovoltaic Specialists Conference, Anaheim, California.
89. Fordham M & Partners, 1999, "Photovoltaics in Buildings: A Design Guide", DTI, UK, Report No. ETSU S/P2/00282/REP.
90. Frankl P., Masini A., Gamberale M., Toccaceli D., 1998, "Simplified Life-Cycle Analysis Of PV Systems In Buildings: Present Situation And Future Trends", *Progress In Photovoltaics: Research And Applications*, Vol. 6, Pp. 137-146.
91. Frass, L. M., 1985, Current Topics In Photovoltaics, Ed. T. J. Coutts And J. D. Meakin., Academic Press, New York, Pp. 169-225.
92. Fthenakis V. M., 2000, "End-Of-Life Management And Recycling Of PV Modules", *Energy Policy*, Vol. 28, Pp. 1051-1058.
93. Fthenakis V M., 1998, "Prevention And Control Of Accidental Releases Of Hazardous Materials In PV Facilities", *Progress In Photovoltaics: Research And Applications*, Vol. 6, Pp. 91-98.
94. Fu Wu-Shung, Yang Suh-Jenq, 2001, "A New Model for Heat Transfer of Fins Swinging Back and Forth in a Flow", Int. J. Heat and Mass Transfer, Vol. 44, Pp. 1687-1697.
95. Gajewski S., Bücher K., Laukamp H., Zastrow A., 1998, "Sensitivity Of Photovoltaic Façade Modules To Overheating Conditions", 2nd World Conference And Exhibition On Photovoltaic Solar Energy Conversion, Vienna, Austria, Pp. 2036-2039.
96. Garg H. P., And Adhakari R. S., 1998, "Transient Simulation Of Conventional Hybrid Photovoltaic/Thermal (PV/T) Air Heating Collectors", *Int. J. Energy Res.*, Vol. 22, Pp. 547-562.
97. Garrison J. D., 1979, "Optimisation Of A Fixed Solar Thermal Collector", *Solar Energy*, Vol. 23, Pp.93-102.
98. Gartling D. K., 1977, "Convective Heat Transfer Analysis By The Finite Element Method", *Computer Methods In Applied Mechanics And Engineering*, Vol. 12, Pp. 365-382.
99. Gautam, N. K., Kaushika, N. D., 2001, "Network Analysis of Fault-Tolerant Solar Photovoltaic Array", *Solar Energy Materials & Solar Cells*, Vol. No. 69, Pp. 25-42.

100. Gay C. L., Eberspacher C., 1994, "Worldwide Photovoltaic Market Growth 1985-2000", *Progress In Photovoltaics: Research And Applications*, Vol. 2, Pp. 249-255.
101. Gee J. M., Garrett S. E., Morgan W. P., 1997, "Simplified Module Assembly Using Back-Contact Crystalline-Silicon Solar Cells", 26th IEEE Photovoltaic Specialists Conference, Anaheim, California.
102. Ghosh, A. K., Fisherman, C. And Fang, T., 1979, Applied Physics, Vol. 50, 3454.
103. Goma S., Yoshioka K., Saitoh T., 1997, "Effect of Concentration Distribution on Cell Performance for Low-Concentrators with a Three-Dimensional Lens" Solar Energy Materials and Solar Cells, Vol. 47, Pp. 339-344.
104. Goodman N. B., Rabl A., Winston R., 1976, "Optical And Thermal Design Considerations For Ideal Light Collectors", *Proc. ISES Conference Sharing The Sun*, Winnipeg, Canada, Pp.336, 349.
105. Goetzberger A., Hebling C., 2000, "Photovoltaic Material, Past, Present, Future", *Solar Energy Materials & Solar Cells*, Vol. 62, Pp. 1-19.
106. Green M. A., 2000, "Photovoltaics: Technology Review", *Energy Policy*, Vol. 28, Pp. 989-998.
107. Green M. A., Zhao J., Wang A., 1997, "23% Module and Other Silicon Solar Cell Advances", 26th IEEE Photovoltaic Specialist Conference, Anaheim, CA.
108. Green M. A., 1997, "Collection Probability Equals Dark Minority Carrier Concentration and Other Suprising Solar Cell Relations", 26th IEEE Photovoltaic Specialist Conference, Anaheim, CA.
109. Green M. A., 1997, "Excitons in Silicon Solar Cells: Room Temperature Distributions and Flows", 26th IEEE Photovoltaic Specialist Conference, Anaheim, CA.
110. Green M. A., 1997, "Many-Body Theory Applied to Solar Cells: Excitonic and Related Carrier Correlation Effects", 26th IEEE Photovoltaic Specialist Conference, Anaheim, CA.
111. Grenon L. A., Coleman M. G., 1980, "Flat Plate Vs. Concentrator Solar Photovoltaic Cells: A Manufacturing Cost Analysis", IEEE, Pp. 488-493.
112. Gresho P. M., Robert L. L., 1981, "Don't Suppress The Wiggles- They're Telling You Something", *Computers And Fluids*, Vol. 9, Pp. 223-253.
113. Gupta B., Shishodia P. K., Kapoor A., Mehra R. M., Soga T., Jimbo T., Umeno M., 2002, "Effect of Illumination Intensity and Temperature on the I-V Characteristics of n-C/p-Si Heterojunctions", *Solar Cell Materials & Solar Cells*, Vol. 73, Pp. 261-267.
114. Hass R., Ornetzeder M., Hametner K., Wroblewski A., Hübner M., Solar Energy, "Socio-Economic Aspects Of The Austrian 200kwp Photovoltaic-Rooftop Programme", *Solar Energy*, Vol. 66, No. 3, Pp. 183-191.
115. Häausler T., Rogäß H., 1998, "Photovoltaic Module Withlatent Heat Storage – Collector", 2nd World Conference And Exhibition On Photovoltaic Solar Energy Conversion, Vienna, Austria, Pp. 315-317.
116. Hestnes A. G., 1999, "Building Integration Of Solar Energy System", *Solar Energy*, Vol. 67, No. 4-6, Pp. 181-187.

117. Ho A. W. Y., Wenham S. R., 1997, "Intelligent Strategies for Minimising Mismatch Losses in Photovoltaic Modules and Systems", 26th IEEE Photovoltaic Specialist Conference, Anaheim, CA.
118. Holley W. H., Agro S. C., Galica J. P., Thoma L. A., Yorgensen R. S., Ezrin M., Klemchuk P., Lavigne G., Thomas H., 1994, "Investigation Into The Causes Of Browning In EVA Encapsulated Flat Plate PV Modules", 1st World Conference Of Photovoltaic Energy Conversion, Hawaii, Pp. 893-896.
119. Honsberg C. B., 1997, "A New Generalized Detailed Balance Formulation to Calculate Solar Cell Efficiency Limit", 26th IEEE Photovoltaic Specialist Conference, Anaheim, CA.
120. Honsberg C. B., Corkish R., Bremner S. P., 2000, "Limiting Efficiency of Solar Cells With Multiple Energy Levels", 16th European Photovoltaic Solar Energy Conference, Glasgow, UK.
121. Honsberg C. B., McIntosh K. R., Boonprakaikaew G., Ghozati S., Wenham S. R., 1997, "Characterisation and Measurement of Silicon Solar Cells with Floating Junction Passivation", 26th IEEE Photovoltaic Specialist Conference, Anaheim, CA.
122. Hovel H., 1980, "Photovoltaic Materials And Devices For Terrestrial Solar Energy Applications", *Solar Energy Materials*, Vol-2, Pp.277-312.
123. Hsieh C. K., 1981, "Thermal Analysis Of CPC Collectors", *Solar Energy*, Vol. 27, Pp. 19-29.
124. Jackson T., Oliver M., 2000, "The Viability Of Solar Photovoltaics", *Energy Policy*, Vol. 28, Pp. 983-988.
125. Jayamaha S. E.E G., Wijeyesundera N. E., Chou S. K., 1996, "Measurement Of The Heat Transfer Coefficient For Walls", *Building And Environment*, Vol. 31, No. 5, Pp. 399-407.
126. Johnson A. J., Watt M., Ellis M., Outhred H. R., 1997, "A Life Cycle Assessment of Grid, Grid Connected PV and Stand-Alone PV Power Systems for Household Energy Supply", 14th European Photovoltaic Solar Energy Conference and Exhibition, Barcelona.
127. Jones A. D., Underwood C. P., 2001, "A Thermal Model For Photovoltaic Systems", *Solar Energy*, Vol. 70. No. 4, Pp. 349-359.
128. Jones P. A., Murphy D. M., 1996, "Linear Refractive Photovoltaic Concentrator Solar Array Flight Experiment", *Journal Of Propulsion And Power*, Vol. 12, No. 5, Pp. 859-865.
129. Kabakov V. I., Levin L. B., 1994, "Rapid Publication: A Choice Of The Position Of Receiver With Photocells In Parabolic Trough Concentrator", *Solar Cells*, Vol. 33, Pp. 45-49.
130. Kaminski A., Marchand J. J., Laugier A., 1999, "I-V Methods to Extract Junction Parameters With Special Emphasis on Low Series Resistance", *Solid-State Electronics*, Vol. 43, Pp. 741-745.
131. Kato K., Murata A., Sakuta K., 1998, "Energy Pay-Back Time And Life Cycle CO₂ Emission Of Residential PV Power System With Silicon PV Module", *Progress In Photovoltaics: Research And Applications*, Vol. 6, Pp. 105-115.

132. Kawamura H., Naka K., Yonekura N., Yamanaka S., Kawamura H., Ohno H., Naito K., 2003, "Simulation of I-V Characteristics of a PV Module With Shaded PV cells", *Solar Energy Materials & Solar Cells*, Vol. 75, Pp. 613-621.
133. Khalifa A. J. N., Marshall R. H., 1990, "Validation Of Heat Transfer Coefficients On Interior Building Surfaces Using A Real-Sized Indoor Test Cell", *Int. J. Heat Mass Transfer*, Vol. 33, No. 10, Pp. 2219-2236.
134. Kiefer K., Körkel Th., Reinders A., Rössler E., Wiemken E., 1995, "2250 PV-Roofs In Germany – Operating Results From Intensified Monitoring And Analysis Through Numerical Modelling", *13th European Photovoltaic Solar Energy Conference*, Nice, France, Pp.575-579.
135. Kim S. H., Maccracken C., Edmonds J., 2000, "Solar Energy Technologies And Stabilizing Atmospheric CO₂ Concentrations", *Progress In Photovoltaics:Research And Applications*, Vol. 8, Pp. 3-15.
136. Kimman J. T. N., Ter Horst E. W., Verhoef L. A., And Lysen E. H., (1999), "The New Pv Programme In The Netherlands", Proceedings Of The 13th European Photovoltaic Solar Energy Conference, 23-27 October, Nice, France, Pp. 793-796, H.S. Stephens, Belford, UK.
137. King D., Dudley J. K., Boyson W. E., 1998, "PVSIM: A Simulation Program for Photovoltaics Cells, Modules and Arrays", *25th IEEE PVSC*, Washington DC, USA.
138. King D. L., Kratochvil J. A., Boyson W. E., 1997, "Measurement Solar Spectral And Angle-Of-Incidence Effects On Photovoltaic Modules And Solar Irradiance Sensors", *26th IEEE Photovoltaic Specialists Conference*, Anaheim, California.
139. King D. L., 1997, "Photovoltaic Module And Array Performance Characterization Methods For All System Operating Conditions", *NREL/SNL Photovoltaic Program Review Meeting*, Lakewood, New York.
140. King D. L., Quintana M. A., Kratochvil J. A., Ellibee D. E., Hansen B. R., "Photovoltaic Module Performance And Durability Following Long-Term Field Exposure", *Sandia National Laboratories*, Albuquerque, NM.
141. King D. L., Kratochvil J. A., Boyson W. E., Bower W. I., 1998, "Field Experience With A New Performance Characterization Procedure For Photovoltaic Arrays", *2nd World Conference And Exhibition On Photovoltaic Solar Energy Conversion*, Vienna, Austria.
142. King D. L., Hansen B. R., Kratochvil J. A., Quintana M. A., 1997, "Dark Current-Voltage Measurements On Photovoltaic Modules As A Diagnostic Or Manufacturing Tool", *26th IEEE Photovoltaic Specialists Conference*, Anaheim, California.
143. King D. L., Kratochvil J. A., Boyson W. E., 1997, "Temperature Coefficients For PV Modules And Arrays: Measurement Methods, Difficulties And Results", *26th IEEE Photovoltaic Specialists Conference* Anaheim, California.
144. Knapp K., Jester T., 2001, "Emperical Investigation Of The Energy Payback Time For Photovoltaic Modules", *Solar Energy*, Vol. 71, No. 3, Pp. 165-172.

145. Koo B. J., Harris J. J., Gardner N. R., Dominguez P., 1999, "Light Emission and the Quantum Efficiency of Laterial p-n Junctions on Patterend GaAs (100) Substrates", *Microelectronics Journal*, Vol. 30, Pp. 403-407.
146. Koschier L. M., Wenham S. R., Gross M., Puzzer T., Sproul A. B., 1998, "Low Temperature Junction and Back Surface Field Formation For Photovoltaic Devices", 2nd World Conference and Exhibition on Photovoltaic Solar Energy Conversion, Vienna, Austria.
147. Kothdiwala A. F., Eames P. C, Norton B., Zachropoulos A., "Comparison Between Inverted Absorber Asymmetric And Symmetric Tubular-Absorber Compound Parabolic Concentrating Solar Collectors" *PROBE*, School Of Built Environment, University Of Ulster, Newtownabbey, N Ireland, UK.
148. Kothdiwala A. F., Norton B., Eames P. C., 1995, "The Effect Of Variation Of Angle Of Inclination On The Performance Of Low-Concentration-Ratio Compound Parabolic Concentrating Solar Collectors", *Solar Energy*, Vol. 55, No. 4, Pp. 301-309.
149. Koutroulis E., Kalaitzakis K., 2001, "Development of an Integra Data-Acquisition System for Renewable Energy Sources Systems Monitoring", *Renewable Energy*, Vol. 28, pp. 139-152.
150. Kovach A., And Schmid J., 1996, "Determination Of Energy Output Losses Due To Shading Of Building-Integrated Photovoltaic Arrays Using A Raytrace Technique", *Solar Energy*, Vol. 57, No. 2, Pp. 117-124.
151. Krauter S., Araújo R. G., Schroer S., Hanitsch R., Salhi M. J., Triebel C., Lemoine R., 2000, "Combined Photovoltaic And Solar Thermal Systems For Façade Integration And Building Insulation", *Solar Energy*, Vol. 67, No. 4-6, Pp. 239-248.
152. Kraus R., Winter E. R. F., Ibele W., 1993, "Investigation Of The Energy Flows For Transparent And Nontransparent Building Façade", *Solar Energy*, Vol. 51, No. 6, Pp. 481-493.
153. Kudish A. I., Evseev E. G., Walter G., Leukefeld T., 2002, "Simulation Study of a Solar Collector with a Selectively Coated Polymeric Double Walled Absorber Plate", *Energy Conversion and Management*, Vol. 43, pp. 651-671.
154. Layzell J., Ledbetter S., 1998, "FMEA Applied To Cladding Systems – Reducing The Risk Of Failure", *Building Research & Information*, Vol. 26, No. 6, Pp. 351-357.
155. Leon O., Mey G. D., Dick E., 2002, "Study of the Optimal Layout of Cooling Fins in Forced Convection Cooling", *Microelectronics Reliability*, in Press.
156. Leutz R., Suzuki A., Akisawa A., Kashiwagi T., 2000, "Flux Densities In Optimum Nonimaging Fresnel Lens Solar Concentrators For Space", *Proceedings Of The 28th IEEE Photovoltaic Specialists Conference*, 15-22 September, Anchorage, Alaska.
157. Leutz R., Suzuki A., Akisawa A., Kashiwagi T.; 2000, "Shaped Nonimaging Fresnel Lenses", *Journal Of Optics A: Pure And Applied Optics*, Vol. 2, Pp.112-116
158. Leutz R., Suzuki A., Akisawa A., Kashiwagi T.;2000, "Developments And Designs Of Solar Engineering Fresnel Lenses", *Proceedings Symposium On Energy Engineering (SEE 2000)*, ISBN 1567001327, 9-13 January, Hong Kong, Vol.2, Pp. 759-765.

159. Leutz R., Suzuki A., Akisawa A., Kashiwagi T.; 1999, "Nonimaging Fresnel Lens Concentrator -- The Prototype", *Proceedings Of The First International Power And Energy Conference (INT-PEC)*, ISBN 0732620945, 30 November-3 December, Gippsland, Australia.
160. Leutz R., Suzuki A., Akisawa A., Kashiwagi T.; 1999, "Nonimaging Fresnel Lens Concentrators For Photovoltaic Applications", *Proceedings ISES Solar World Congress*, July 4-9, Jerusalem, Israel.
161. Leutz R., Suzuki A., Akisawa A., Kashiwagi T.; 1999, "Design Of A Nonimaging Fresnel Lens For Solar Concentrators", *Solar Energy*, Vol. 65, No. 6, Pp. 379-388
162. Lepley T., Hammond B., Harris A., 1997, "Evaluation Of Tracking Flat Plate And Concentrator PV Systems", *26th PVSC, Anaheim, CA*, Pp.-1257-1260.
163. Lesourd Jean-Baptiste, 2001, "Solar Photovoltaic Systems: The Economics Of Renewable Energy Resource", *Environmental Modelling & Software*, Vol. 16, Pp. 147-156.
164. Lin G. H., Carlson D. E., 2000, "Photovoltaics In The Year 2025", *International Journal Of Hydrogen Energy*, Vol. 25, Pp. 807-811.
165. Lipson and Lipson, 1981, "Optical Physics", 2nd Edition, Cambridge: Cambridge University Press.
166. Luque A., 1986, "Non-Imaging Optics In Photovoltaic Concentration", *Physics In Technology*, Vol. 17, Pp. 118-124.
167. Luque A., 1981, "Theoretical Bases Of Photovoltaic Concentrators For Extended Light Sources", *Solar Cells*, Vol. 3, Pp. 355-368.
168. Luque A., 1984, "Static Concentrators: A Venture To Meet The Low Cost Target In Photovoltaics", *Solar Cells*, Vol. 12, Pp. 141-145.
169. Luque A., Sala G., Arboiro J. C., Bruton T., Cunningham D., Mason N., 1997, "Some Results Of The EUCLIDES Photovoltaic Concentrator Prototype", *Progress In Photovoltaics: Research And Applications*, Vol. 5, Pp. 195-212.
170. Maddalena P, Parretta A, Tortora P, Altermatt P, Zhao J., 2003, "Simultaneous Optical Losses and Current Measurements in Photovoltaic Devices at Variable Angle of the Incident Light", *Solar Energy Materials & Solar Cells*, Vol. 75, Pp. 397-404.
171. Maish A. B. And Boes E. C., "Recent Advances In Photovoltaic Concentrator Technology", Sandia National Laboratories, New Mexico.
172. Maish A. B., 1993, "Progress In The Concentrator Initiative Program", *23rd IEEE Photovoltaic Spec.*, Pp.1203-1208.
173. Malhotra A., Garg H. P., Usha Rani, 1980, "Minimizing Convective Heat Losses In Flat Plate Solar Collectors", *Solar Energy*, Vol. 25, Pp. 521-526.
174. Martídel Campo E., Sen M., Ramos E., 1988, "Analysis Of Laminar Natural Convection In A Triangular Enclosure", *Numerical Heat Transfer*, Vol. 13, Pp. 353-372.
175. Martin, N., Ruiz, J. M., 2001, "Calculation of the PV Modules Angular Losses Under Field Conditions by Means of an Analytical Model", *Solar Energy Materials & Solar Cells*, Vol. No. 70, Pp. 25-38.

176. Matsushima T, Setaka T, Muroyama S., 2003, "Concentrating Solar Module with Horizontal Reflectors", *Solar Energy Materials & Solar Cells*, Vol. 75, Pp. 603-612.
177. Yamaguchi M., 2001, "Present Status And Prospects Of Photovoltaic Technologies In Japan", *Renewable & Sustainable Energy Reviews*, Vol. 5, Pp. 113-135.
178. Mason N. B., Bruton T. M., 1995, "Properties And Performance Of Coloured Solar Cells For Building Façades", *13th European Photovoltaic Solar Energy Conference*, Nice, France, Pp. 2218-2219.
179. McIntire W. R., 1980, "New Reflector Design Which Avoids Losses Through Gaps Between Tubular Absorbers And Reflectors", *Solar Energy*, Vol. 25, Pp. 215-220.
180. McIntosh K. R., Koschier L. M., Koh E., Chen P. Y., Quek D., Cotter J. E., Honsberg C. B., 1997, "Lowering the Cost of Buried Contact Solar Cell Technology", *Solar '97 - Australian and New Zealand Solar Energy Society*, Canberra.
181. McNaughton W. P., Cummings R. D., Dostalek F. J., Richman R. H., 1993, "Phased Development Of High-Concentration Photovoltaic Modules", *Progress In Photovoltaics: Research And Applications*, Vol. 1, Pp. 107-131.
182. Mills D. R., Bassett I. M., Derrick G. H., 1986, "Relative Cost Effectiveness Of CPC Reflector Designs Suitable For Evacuated Absorber Tube Solar Collectors", *Solar Energy*, Vol. 36, Pp. 199-206.
183. Mills D. R., Giutronich J. E., 1978, "Asymmetrical Non-Imaging Cylindrical Solar Concentrators", *Solar Energy*, Vol. 20, Pp. 45-55.
184. Millán M. I., Hernández F., Martín E., 1997, "Solar Cooling In Madrid: Energetic Efficiencies", *Solar Energy*, Vol. 60, No. 6, Pp. 367-377.
185. Miñano J. C., 1985, "Two-Dimensional Nonimaging Concentrators With Inhomogeneous Media: A New Look", *Journal Of The Optical Society Of America*, Vol. 2(11), Pp. 1826-1831.
186. Miñano J. C., Luque A., 1983, "Static Concentrators Theory For Non-Homogeneous Extended Sources", *Solar Cells*, Vol. 8, Pp. 297-315.
187. Mitchel R. L., Witt C. E., Thomas H. P., Ruby D. S., King R., Aldrich C. H., 1997, "Progress Update on the U.S. Photovoltaic Manufacturing Technology", *26th IEEE Photovoltaic Specialists Conference*, Anaheim, California.
188. Mokheimer E. M. A., 2002, "Performance of Annular Fins with Different Profiles Subject to Variable Heat Transfer Coefficient", *Int. J. Heat and Mass Transfer*, Vol. 45, Pp. 3631-3642.
189. Mootz F., Bezman J. J., 1996, "Numerical Study Of A Ventilated Façade Panel", *Solar Energy*, Vol. 57, No. 1, Pp. 29-36.
190. Moshfegh B., Sandberg M., 1998, "Flow And Heat Transfer In Air Gap Behind Photovoltaic Panels", *Renewable And Sustainable Energy Reviews*, Vol. 2, Pp. 287-301.
191. Moshfegh B., Sandberg M., Bloem J. J., Ossenbrink H., 1995, "Analysis Of Fluid Flow And Heat Transfer Within The Photovoltaic Façade Of The ELSA Building, JRC ISPRA", *12th European Photovoltaic Solar Energy Conference*, Pp. 2215-2217.

192. Muntasser M. A., Bara M. F., Quadri H. A., El-Tarabelsi R., La-Azebi I. F., 2000, "Photovoltaic Marketing In Developing Countries", *Applied Energy*, Vol. 65, Pp. 67-72.
193. Nasby R.D., Sanderson R. W., 1982, "Performance Measurement Techniques For Concentrator Photovoltaic Cells", *Solar Cells*, Vol. 6, Pp. 39-47.
194. Nieuwlaar E., Alsema E., 1998, "PV Power Systems And The Environment: Results Of An Experts Workshop", *Progress In Photovoltaics: Research And Applications*, Vol. 6, Pp. 87-90.
195. Nijs J., Mertens R., Van Overstraeten R., Szlufcik J., Hukin D., Frisson L., "Energy Payback Time Of Crystalline Silicon Solar Modules".
196. Norton B., 1999, "Improved Solar Cell Performance In BIPV", *Progress In Photovoltaics: 2nd DTI/EPSRC Conference*.
197. Norton B., Eames P. C., Lo S. N. G., 2001, "Alternative Approaches to Thermosyphon Solar Energy Water Heater Performance Analysis and Characterisation", *Renewable and Sustainable Energy Reviews*, Vol. 5, Pp. 79-96.
198. O'Gallagher J., Winston R., Welford W. T., 1987, "Axially Symmetric Nonimaging Flux Concentrators With The Maximum Theoretical Concentration Ratio", *Journal Of The Optical Society Of America*, Vol. 4(1), Pp. 66-68.
199. O'Gallagher J., Winston R., 1983, "Development Of Compound Parabolic Concentrators For Solar Energy", *International Journal Of Ambient Energy*, Vol. 4(4), Pp. 361-375.
200. O'Neill M. J., McDarnal A. J., Walters R. R., Perry J. L., 1991, "Recent Developments In Linear Fresnel Lens Concentrator Technology, Including The 300KW 3M/Austin System, The 20 KW PVUSA System, And The Concentrator Initiative", *IEEE*, Pp. 523-528.
201. O'Neill M. J., McDarnal A. J., 1996, "Manufacturing Technology Improvements For ENTECH's Photovoltaic Concentrator Module", *Amer. Inst. Physics Conf. Proc.*, Pp. 621-628.
202. Oliver M., Jackson T., 2000, "The Evolution Of Economic And Environmental Cost For Crystalline Silicon Photovoltaics", *Energy Policy*, Vol. 28, Pp. 1011-1021.
203. Oliver M., Jackson T., 2001, "Energy And Economic Evaluation Of Building-Integrated Photovoltaics", *Energy*, Vol. 26, Pp. 431-439.
204. Onur N., 1996, "A Simplified Approach to the Transient Conduction in a Two-Dimensional Fin", *Int. Comm. Heat Mass Transfer*, Vol.23, No. 2, Pp-225-238.
205. Ouzzane M., Galanis N., 2001, "Numerical Analysis Of Mixed Convection In Inclined Tubes With External Longitudinal Fins", *Solar Energy*, Vol. 71, No. 3, Pp. 199-211.
206. Ozoe H., Takemoto M., Churchill S. W., 1986, "Finite-Element Analysis Of Laminar Natural Convection In Compound Rectangular Regimes-Extrapolation To Zero Element Size", *Numerical Heat Transfer*, Vol. 9, Pp. 323-333.
207. Parker D. S., Broman. P. A., Grant J. B., Anello M. T., Vieiral R K., "Energy Gauge USA: A Residential Building Energy Simulation Design Tool ", **Need To Find Out The Journal.**
208. Parker A., Yahubu H., Ferrazza F., Altermatt P. P., Green M. A., Zhao J., 2002, "Optical loss of Photovoltaic Modules Under Diffuse Light", *Solar Energy Materials & Solar Cells*, In Press.

209. Parretta A., Altermatt P. P., Zhao J., 2003, "Transmittance From Photovoltaic Materials Under Diffuse Light", *Solar Energy Materials & Solar Cells*, Vol. 75, Pp. 387-395.
210. Parretta A, Yakubu H, Ferrazza F, Altermatt P P, Green M A, Zhao J., 2003, " Optical Loss of Photovoltaic Modules Under Diffuse Light", *Solar Energy Materials & Solar Cells*, Vol. 75, Pp. 497-505.
211. Pearsall N. M., "EPSRC Solar Research –An Overview", *Progress In Photovoltaics: 2nd DTI/EPSRC Conference*.
212. Pearsall N. M., 1998, "The Design And Performance Of Photovoltaic Façades In The UK", *Renewable Energy*, Vol. 15, Pp. 552-557.
213. Pedersen P. V., 1993, "System Design Optimization For Large Building Integrated Solar Heating Systems For Domestic Hot Water", *Solar Energy*, Vol. 50, No. 3, Pp. 267-273.
214. Perez R. R., Scott J. T., Stewarrt R., 1983, "An Anisotropic Model For Diffuse Radiation Incident On Slopes Of Different Orientations And Possible Applications To CPC's", *Proc. Amer Solar Energy SOC Annual Meeting*, Pp. 883-888.
215. Pitts A., 1999, "Opportunities Of PV Cladding, Planning And Installation Procedures", *Progress In Photovoltaics: 2nd DTI/EPSRC Conference*.
216. Porta- Gándara M.A., Rubio-Cerda E., Fernández-Zayas J. L., 1998, "Visualization of Natural Convection Inside Shallow Solar Stills", *Experiments in Fluids*, Vol. 25, Pp. 369-370.
217. Prapas D. E., Norton B., Melidis P. E., Probert S. D., 1987, "Convective Heat Transfers Within Air Spaces Of Compound Parabolic Concentrating Solar-Energy Collectors", *Applied Energy*, Vol. 28, Pp. 123-135.
218. Prapas D. E., Norton B., Probert S. D., 1987, "Thermal Design Of Compound Parabolic Concentrating Solar-Energy Collectors", *Transactions Of The ASME Journal Of Solar Energy Engineering*, Vol. 109, Pp. 161-168.
219. Pritchard S. C., McIntosh K. R., Altermatt P. P., Honsberg C. B., 1997, "A Comparison of Single Junction and Transistor Structure Solar Cells", *Solar '97 - Australian and New Zealand Solar Energy Society*, Canberra.
220. Quaschning V., Hanitsch R., 1995, "Numerical Simulation of Photovoltaic Generators With Shaded Cells", *30th Universities Power Engineering Conference*, Greenwich.
221. Rabl A., 1976, "Solar Concentrators With Maximum Concentration For Cylindrical Absorbers", *Applied Optics*, Vol. 15(7), Pp. 1871-1873.
222. Rabl A., 1976, "Comparison Of Solar Concentrators", *Solar Energy*, Vol. 18, Pp. 93-111.
223. Rabl A., Winston R., 1976, "Ideal Concentrators For Finite Sources And Restricted Exit Angles", *Applied Optics*, Vol. 15(11), Pp. 2880-2883.
224. Radziemska E., 2002, "The Effect of Temperature on the Power Drop in Crystalline Silicon Solar Cells", *Renewable Energy*, Vol. 28, pp. 1-12.
225. Ricaud A., 1993, "Photovoltaic Commercial Modules: Which Product For What Market", *12th European Photovoltaic Solar Energy Conference*, Pp. 153-164.

226. Richards E. H., Chamberlin J. L., Boes E. C., 1999, "Photovoltaic Concentrator Module Technology", *Proc. Intersociety Energy Conv. Eng. Conf.*, Pp. 13-18.
227. Reehal H. S., Wang L., 1999 "Thin Film Crystalline Solar Cells", *Progress In Photovoltaics: 2nd DTI/EPSRC Conference*.
228. Ries H., Rabl A., 1994, "Edge-Ray Principle Of Nonimaging Optics", *Journal Of The Optical Society Of America*, Vol. 11(10), Pp. 2627-2632.
229. Ries H., 1982, "Thermodynamic Limitations Of The Concentration Of Electromagnetic Radiation", *Journal Of The Optical Society Of America*, Vol. 72(3), Pp. 380-385.
230. Ries H., Gordon J. M., Lasken M., 1997, "High-Flux Photovoltaic Solar Concentrators With Kaleidoscope-Based Optical Designs", *Solar Energy*, Vol. 60, No. 1, Pp. 11-16.
231. Rumyantsev V. D., 1992, "Concentrating Photovoltaics", *Gelioteknika*, St. Petersburg 194021, Pp. 87.
232. Ruzinaký M., Šály V., Redi P., 2001, "Ten Years Of Collaborative Photovoltaic Research And Education: University Of Florence – Slovak University Of Technology", *Renewable Energy*, Vol. 24, Pp. 145-154.
233. Rüther Ricardo., Kleiss Gerhard., Reiche Kilian., 2002, "Spectral Effects on Amorphous Silicon Solar Module Fill Factors", *Solar Energy Materials & Solar Cells*, Vol. No. 71., Pp. 375-385.
234. Schockley W., Queisser H. J., 1961, *Applied physics*, 32, 510. (need to ask the paper)
235. Schoen T. J. N., 2001, "Building-Integrated PV Installations In The Netherlands: Examples And Operational Experiences", *Solar Energy*, Vol. 70, No. 6, Pp. 467-477.
236. Scott, T. And Neef, H. J., 1997, "The German Photovoltaic R&D Programme- Status And Projects", *Proceedings Of 14th E.C. Photovoltaic Solar Energy Conference*, July, Barcelona, Pp. 437-440.
237. Shaw N. C., Cotter J. E., Campbell P. R., 2000, "Internal Optical Properties of Pigmented Diffuse Reflectors for Thin Silicon Cells", 16th European Photovoltaic Solar Energy Conference, Glasgow, UK.
238. Shaw N. C., Wenham S. R., 2000, "Design of a Novel Static concentrator Lens Utilising Total Internal Reflection Surfaces", 16th European Photovoltaic Solar Energy Conference, Glasgow, UK.
239. Shih Tien-Mo, 1989, "A Literature Survey On Numerical Heat Transfer (1986-1987)", *Numerical Heat Transfer*, Vol. 15, Pp. 1-31.
240. Shaari S. And Bowman N., 1998, "Photovoltaics In Buildings: A Case Study For Rural England And Malaysia", *Renewable Energy*, Vol. 15, Pp. 558-561.
241. Silvestre S., Parton D., Castañer L., Carter J., Ashburn P., 1996, "Series Resistance In Doubled Polysilicon-Contacted Silicon Solar Cells", 25th PVSC, Washington D.C., Pp. 497-500.
242. Smith R. H., "Solar Collector Concept" California, USA.

243. Smith E. M., Arch M., 1998”, Building-Integrated Photovoltaics (BI-PV) For Primary Energy Producers In The United States Of America”, *Proceedings Of The 60th American Power Conference*.
244. Spooner E. D., Morphett D., Watt M. E., Grunwald G., Zacharias P., 2000, “Solar Olympic Village Case Study”, *Energy Policy*, Vol. 28, Pp. 1059-1068.
245. Sparrow E. M., Ramsey J. W., Mass E. A., 1979, “Effect Of Finite Width On Heat Transfer And Fluid Flow About An Inclined Rectangular Plate”, *Transactions Of The ASME Journal Of Solar Energy Engineering*, Vol. 101, Pp. 199-204.
246. Suresh D., O’Gallagher J., Winston R., 1990, “Thermal And Optical Performance Test Results For Compound Parabolic Concentrators (Cpcs)”, *Solar Energy*, Vol. 44, No. 5, Pp. 257-270.
247. Stringfellow, G. B., 1989, Organometallic Vapour Phase Epitaxy, Academic Press, New York.
248. Tannehill J C., Anderson D. A., Pletcher R. H., 1997, “Computational Fluid Mechanics and Heat Transfer”, Taylor & Francis, London, UK, ISBN-1-56032-046-X.
249. Tay A. O., Davis G. De Val., 1971, “Application Of The Finite Element Method To Convection Heat Transfer Between Parallel Planes”, *Int. J. Heat Mass Transfer*, Vol. 14, Pp. 1057-1069.
250. Thomas H. P., Kroposki B., McNutt. P., Witt C. E., Bower W., Bonn R., Hund T. D., 1998, “Progress In Photovoltaic System And Component Improvements”, 2nd World Conference And Exhibition On Photovoltaic Solar Energy Conversion, 6-10th July, Vienna, Austria.
251. Thomas H., Kroposki B., Witt C., Bower W., Bonn R., Ginn J., Gonzales S., “Testing to Support Improvements to PV Components and Systems”, 16th European Photovoltaic Solar Energy Conference and Exhibition”, Glasgow, Scotland, UK.
252. Travers D., Watt M., MacGill I., Kaye J., Kunzi S., Spooner T., 1998, “Evaluation Tool for Building Integrated Photovoltaic Systems”, 2nd World Conference and Exhibition on Photovoltaic Solar Energy Conversion, Vienna, Austria.
253. Trela M., Butrymowicz D., 1999, “Enhancement of Condensate Drainage from a Horizontal Integral-Fin Tube by Means of a Solid Strip”, *Int. J. Heat and Mass Transfer*, Vol. 42, Pp. 3447-3459.
254. Tsai S. F., Sheu T. W. H., 1998, “Some Physical Insights into a Two-Row Finned-tube Heat Transfer”, *Computer & Fluid*, Vol. 27, No. 1, Pp. 29-46.
255. Tsangrassoulis A., Santamouris M., Asimakopoulos D. N., 1997, “On The Air Flow And Radiation Transfer Through Partly Covered External Building Openings”, *Solar Energy*, Vol. 61, No. 6, Pp. 355-367.
256. Tsuo Y. S., Gee J. M., Menna P., Strebkov D. S., Pinov A., Zadde V., 1998, “Environmentally Benign Silicon Solar Cell Manufacturing”, 2nd World Conference and Exhibition on Photovoltaic Solar Energy Conversion, Vienna, Austria.
257. Uematsu T., Yazawa Y., Tsutsui K., Miyamura Y., Ohtsuka H., Warabisako T., Joge T., 2001, “Design And Characterization Of Flat-Plate Static-Concentrator Photovoltaic Modules”, *Solar Energy Materials & Solar Cells*, Vol. 67, Pp. 441-448.

258. Uematsu T., Yazawa Y., Joge T., Kokunai S., 2001, "Fabrication And Characterization Of A Flat-Plate Static-Concentrator Photovoltaic Module", *Solar Energy Materials & Solar Cells*, Vol. 67, Pp. 425-434.
259. Uematsu T., Yazawa Y., Miyamura Y., Muramatsu S., Ohtsuka H., Tsutsui K., Warabisako T., 2001, "Static Concentrator Photovoltaic Module With Prism Array", *Solar Energy Materials & Solar Cells*, Vol. 67, Pp. 415-423.
260. Van der Heide A. S. H., Bultman J. H., Hoornstra J., Schönecker A., 2002, "Error Diagnosis and Optimisation of c-Si Solar Cell Processing Using Contact Resistances Determined with the Corescanner", *Solar Energy Materials & Solar Cells*, Vol. 74, Pp. 43-50.
261. Varlinden P. J., Swanson R. M., Sinton R. A., Crane R. A., Tilford C., Perkins J., Garrison K., 1993, "High-Efficiency, Point-Contact Silicon Solar Cells For Fresnel Lens Concentrator Modules", Proc. 23rd IEEE Photovoltaic Special Conf., Pp. 58-64.
262. Varma A., 2002, "UK's climate change levy: cost effectiveness, competitiveness and environmental impacts", *Energy Policy*, In press.
263. Vartiani E., Peippo K., Lund P., 2000, "Daylight Optimisation Of Multifunctional Solar Façade", *Solar Energy*, Vol. 68, No. 3, Pp. 223-235.
264. Vartiainen E., 2001, "Electricity Benefits Of Daylighting And Photovoltaics For Various Solar Façade Layouts In Office Buildings", *Energy And Buildings*, Vol. 33, Pp. 113-120.
265. Von Faveck, W., Kreutzmann, A. And Welter, P., 1995, "A New Path To Self-Sustaining Markets For PV: The Aachen Model", Proceedings Of 13th E.C. Photovoltaic Solar Energy Conference, Pp. 789-792.
266. Warabissako, T., And Luque, A., 1993, Proc.23rd IEEE Photovoltaic Specialists Conf. IEEE, New York, Pp. 248-251.
267. Wallace W. L., "The Use Of Photovoltaics For Rural Electrification In Northwestern China".
268. Ward I. B., Thomas H., Kroposki B., Hund T., 1997, "Balance-of-System Improvements for Photovoltaic Applications Resulting from the PVMaT 4A1 Program", 26th IEEE Photovoltaic Specialists Conference, Anaheim, California.
269. Watt M. E., Johnson A. J., Ellis M., Outhred H. R., 1998, "Life-Cycle Air Emissions From PV Power Systems", *Progress In Photovoltaics:Research And Applications*, Vol. 6, Pp. 127-136.
270. Watt M., Kaye R. J., Travers D., MacGill I., 1998, "An Analysis of the Australian Market for Building Integrated PV", Solar '97 - Australian and New Zealand Solar Energy Society, Canberra.
271. Watt M., Kaye R. J., Travers D., MacGill I., 1998, "Assessing the Potential for PV in Buildings", 14th European Photovoltaic Solar Energy Conference and Exhibition, Barcelona.
272. Watt M., Outhred H., Ellis M., Thorp D., 1998, "Strategies for PV in Competative Electricity Markets", 2nd World Conference and Exhibition on Photovoltaic Solar Energy Conversion, Vienna, Austria.

273. Weatherby C. K., 1995, "The Design And Testing Of A Low-Material-Cost Parabolic-Trough PV Concentrator", Proc. 13th European PV Solar Energy Conf., H. S. Stephens, Bedford, Pp. 2336-2369.
274. Welford W. T., Winston R., 1979, "Two-Dimensional Nonimaging Concentrators With Refracting Optics", *Journal Of The Optical Society Of America*, Vol. 69(6), Pp. 917-919.
275. Welford W. T., Winston R., 1982, "Upper Bound On The Efficiency Of Certain Nonimaging Concentrators In The Physical-Optics Model", *Journal Of The Optical Society Of America*, Vol. 72(9), Pp. 1244-1248.
276. Welford W. T., Winston R., 1982, "Nonconventional Optical Systems And The Brightness Theorem", *Applied Optics*, Vol. 21(9), Pp. 1531-1533.
277. Wenham S. R., Bowden S., Dickinson M., Largent R., Jordan D., Honsberg C. B., 1995, "Prototype Photovoltaic Roof Tiles", 13th European Photovoltaic Solar Energy Conference.
278. Whitaker C. M., Townsend T. U., Newmiller J. D., King D. L., Boyson W. E., Kratochvil J. A., Collier D. E., Osborn D. E., 1997, "Application And Validation Of A New Pv Performance Characterization Method", 26th IEEE Photovoltaic Specialists Conference, Sep 29- Oct 3, Anaheim, California.
279. Whitfield G.R., Bently R. W., Weatherby C. K., Hunt A. C., Mohring H. D., Klotz F. H., Keuber P., Miñano J. C., Alarte-Garvi E., 1999, "The Development And Testing Of Small Concentrating PV Systems", *Solar Energy*, Vol. 67, No. 1-3, Pp. 23-34.
280. Winston R., Welford W. T., 1982, "Efficiency Of Nonimaging Concentrators In The Physical-Optics Model", *Journal Of The Optical Society Of America*, Vol. 72(11), Pp. 1564-1566.
281. Wilczek J., 1999, "Overview: Design And Assessment Projects", *Progress In Photovoltaics: 2nd DTI/EPSRC Conference*.
282. Wilk, H., 1994, "200kw Photovoltaic Rooftop Programme In Austria: First Operational Results And Lessons Learned", Proceedings Of 12th E.C. Photovoltaic Solar Energy Conference, 11-15 April 94, Pp. 923-927.
283. Wilson R., Young A., 1996, "The Embodied Energy Payback Period Of Photovoltaic Installations Applied To Building In The UK", *Building And Environment*, Vol. 31, No. 4, Pp. 299-305.
284. Winston R., 1980, "Light Collection Within The Framework Of Geometrical Optics", *Journal Of The Optical Society Of America*, Vol. 60, No. 2, Pp.245-247.
285. Winston W., 1974, "Principles Of Solar Concentrators Of A Novel Design" *Solar Energy*, Vol. 16, Pp. 89-94.
286. Winston R., 1975, "Development Of The Compound Parabolic Collector For Photo-Thermal And Photo-Voltaic Applications", *Solar Energy Utilization*, Vol. 68, Pp.136-144.
287. Winston R., 1974, "Principles Of Solar Concentrators Of A Novel Design", *Solar Energy*, Vol. 16, Pp. 89-95.
288. Winston R., Welford W. T., 1978, "Two-Dimensional Concentrators For Inhomogeneous Media", *Journal Of The Optical Society Of America*, Vol. 68(3), Pp. 289-291.

289. Winston R., Hinterberger, 1975, "Principles Of Cylindrical Concentrators For Solar Energy", *Solar Energy*, Vol. 17, Pp.255-258.
290. Witt C. E., Mitchell R. L., Thomas H. P., Symko-Davies M., 2001, "Terrestrial Photovoltaic Technologies Update", *Renewable Energy*, Vol. 23, Pp. 349-353.
291. Witt C. E., Mitchell R. L., Thomas H. P., Symko M. L., King R., Ruby D. S., 1998, "Manufacturing Improvements in the Photovoltaic Manufacturing Technology (PVMaT) Project", *2nd World Conference and Exhibition on Photovoltaic Solar Energy Conversion*, Vienna, Austria.
292. Witt C. E., Surek T., Mitchell R. L., Symko-Davies M., Thomas H. P., 2000, "Terrestrial Photovoltaics Technologies – Recent Progress in manufacturing R&D", *34th National Heat Transfer Conference*, Pittsburgh, Pennsylvania.
293. Witt C. E., Surek T., Mitchell R. L., Symko-Davies M., Thomas H. P., King R., Ruby D. S., 1999, "Current Status and Future Prospects for the PVMaT Project", *11th International Photovoltaic Science and Engineering Conference (PVSEC-11)*, Sapporo, Japan.
294. Witt C. E., Surek T., Mitchell R. L., Symko-Davies M., Thomas H. P., King R., Ruby D. S., 2000, "Ten Years of Manufacturing R&D in PVMaT – Technical Accomplishments, Return on Investment, and Where We Go Next", *28th IEEE PV Specialists Conference*, Anchorage, Alaska.
295. Wood M., 1999, "Guides – Planning, Testing And Design Tools", *Progress In Photovoltaics: 2nd DTI/EPSRC Conference*.
296. Wozniak S. J., 1979, "Assessment And Use Of Solar Collector Systems In The UK" *Energy Paper*, Pp.17-38.
297. Yamada T., Nakamura H., Sugiura T., Sakuta K., Kurokawa K., 2001, "Reflection Loss Analysis By Optical Modelling Of PV Module", *Solar Energy Materials & Solar Cells*, Vol. 67, Pp. 405-413.
298. Yang, H. X., Marshall, R.H., And Brinkworth B.J., 1994, "An Experimental Study Of The Thermal Regulation Of A PV-Clad Building Roof", *12th European Photovoltaic Solar Energy Conference*, Pp. 1115-1118.
299. Yang H. X., Marshall R. H., Brinkworth B. J., 1996, "Validated Simulation For Thermal Regulation Of Photovoltaic Wall Structures", *25th PVSC*, Washington D. C., Pp.1453-1456.
300. Yeh Rong-Hua, 1997, "An Analytical Study of the Optimum Dimensions of Rectangular Fins and Cylindrical Pin Fins", *Int. J. Heat Mass Transfer*, Vol. 40, No. 15, Pp. 3607-3615.
301. Yoshida S., Yoshino M., Takahashi M., Mori T., 1998, "PV Module Integrated With Metal Curtain Wall", *2nd World Conference And Exhibition On Photovoltaic Solar Energy Conversion*, Vienna, Austria, Pp. 1987-1992.
302. Yoshioka K., Endoh K., Kobayashi M., Suzuki A., Saitoh T., 1994, "Design And Properties Of A Refractive Static Concentrator Module", *Solar Energy Materials And Solar Cells*, Vol. 34, Pp. 125-131.
303. Zhong Z. Y., Yang K. T., Lloyd J. R., 1985, "Numerical Methods In Heat Transfer", *Numerical Methods In Heat Transfer*, Volume-III, John Wiley & Sons Ltd, Pp. 195-214.

304. Zalewski L., Chantant M., Lassue S., Duthoit B., 1997, "Experimental Thermal Study Of A Solar Wall Of Composite Type", *Energy And Buildings*, Vol. 25, Pp.7-18.
305. Zacharopoulos A., Eames P. C., McLarnon D., Norton B., 2000, "Linear Dielectric Non-Imaging Concentrating Covers For PV Integrated Building Façades", *Solar Energy*, Vol. 68, No. 5, Pp. 439-452.
306. Zhang Y. W., Ih C. S., Yan H. F., Chang M. J., 1988, "Photovoltaic Concentrator Using A Holographic Optical Element", *Applied Optics*, Vol. 27, Pp. 3556-3560.
307. Zhao Y., 2001, "The Present Status and Future of Photovoltaic in China", *Solar Energy Materials & Solar Cells*, Vol. 67, Pp. 663-671.
308. DTI 2000c, "offshore wind industries capabilities in the UK", ETSU W/35/00530/REP.
309. DTI 2000d, "Summaries of the bio mass projects carried out as part of the department of trade and industries new and renewable energy programme", ETSU BM/04/00048/REP/1.
310. DTI, 2000e, "Geothermal energy in UK", <http://www.dti.gov.uk/renewable/pdf/tech4.pdf>.
311. DTI 2000f, "Update of the data base of the photovoltaic installation in the UK", ETSUS/P2/00301/REP.
312. DTI 2000g, "Monitoring of successful renewables obligation small hydro projects", ETSU/H/01/00049/00/REP.
313. DTI, 2001a, "The economic impact of renewable energy", K/PL/00121/REP.
314. DTI, 2000h, "Solar energy: remote PV- Marine applications", ECS11.
315. DTI, 2000i, "Active solar heating system performance and data review", ETSUS/P3/00270/REP.
- 316.