

Dr. Arnulf Jäger-Waldau

November 2021

Curriculum Vitae

Job History

Since May 2001	European Commission, Joint Research Centre, Ispra, Italy Institute for Environment and Sustainability (2001 – 01/2007) Senior Scientist and Action Leader Institute for Energy and Transport (2/2007 – 06/2016) Senior Scientist, Action Leader and Project Leader Directorate C: Energy Transport and Climate (since 07/2016) Senior Scientist and Project Leader (2016 – 2019) Scientific Mentor (since 2019)
August/Sep. 1999:	Re-invitation programme of the Alexander von Humboldt-Stiftung Shinshu University, Nagano, Japan
May 1996:	Specialists Invitation Programme for Solar Energy (Japan – EU Centre for Industrial Cooperation, Tokyo, Japan)
1996 – April 2001:	Hahn-Meitner-Institut, (now Helmholtz Centre) Berlin Senior Scientist and project manager
1994 - 1995	Scientist at the Universität Konstanz
May 94 - May 95	JSPS-Fellow (Alexander v. Humboldt-Stiftung) Shinshu University, Nagano, Japan
1990 - 1993	Scientific employee at the Universität Konstanz

Education

May 1993:	Ph.D. in Physics (Promotion; Dr. rer. nat.) Universität Konstanz
Oct. 1989:	Diploma in Physics (Diplom-Physiker)
1987 – 1989	Universität Konstanz, Department of Physics, research student
1985 – 1989:	Universität Konstanz, Department of Physics (graduate studies)
1984/85:	Fellowship of the Rutgers University, New Brunswick, NJ, USA Department of Physics
1982 – 1984	Universität Konstanz, Department of Physics (undergraduate studies)

Publications

almost 300 publications in peer reviewed journals, conference proceedings, books and reports ranging from materials research for PV and solar cell development to market studies and policy evaluations for Renewable Energies and Energy Efficiency.

Patents

international patents on semiconductor material deposition for thin film solar cells and solar module design

International Projects

- Review Editor for the Technical Summary of the IPCC 6th Assessment Report (2019 – 2022)
- Reviewer of Special Report on 1.5°C of the IPCC (2017 – 2019)
- IEA Photovoltaic Power System Implementation Agreement
European Commission Representative in the following Tasks:
 - Strategic PV Analysis & Outreach
 - High-Penetration of PV Systems in Electricity Grids
- Reviewer of the Renewables Market Report of the IEA
- Reviewer of the Global Renewable Status Report published by UNECE and REN21
- Reviewer of the 5th and 6th IPCC Assessment Report (2014, 2022)
- Reviewer Editor for the Technical Summary AR6 (2021/22)
- Lead Author for Solar Energy of the Special Report of the IPCC on Renewable Energy and Climate Change Mitigation, approved by the General Assembly of the IPCC in May 2011
- Reviewer for the Global Energy Assessment Report (GEA) 2012

Committees

- Appointed to the editorial board of Springer Nature journal “Green Technology, Resilience and Sustainability“ (2021)
- Foreign Member of the Advisory Committee "Energy and Energy Efficiency" at the Board of Trustees of the Bulgarian Academy of Sciences
- Member of the Advisory Board of the Polish PV Centre Warsaw
- Vice Chair Academic Committee, Asian Photovoltaic Industry Association (APVIA), Singapore (2010 – 2016)
- Member of the Advisory Board of the 6th EU Framework Programme Integrated Project "ATHLET" with a budget of EUR 11 million (2006 – 2009)
- Member of the Executive Committee of the E-MRS (2005 to 2013)

Publications

Publications in Journals and Conference Proceedings

1. Critique of the paper: “*Through the Eye of a Needle: An Eco-Heterodox Perspective on the Renewable Energy Transition*”, Vasilis Fthenakis, Marco Raugei, Christian Breyer, Subhamoy Bhattacharya, Michael A. Carbajales-Dale, Michael J. Ginsberg, Arnulf Jäger-Waldau, Enrica Leccisi, Daniel Lino, , David Murphy, Parikhit Sinha, Angus Rockett, Sascha Sadewasser, Billy J. Stanbery, Richard Swanson, Pierre Verlinden, submitted to *energies*
2. Impact of climatic conditions on prospects of vehicle-integrated photovoltaics for electro-mobility, Christian Thiel, Ana Gracia Amillo, Alessandro Tansini, Anastasios Tsakalidis, Georgios Fontaras, Ewan Dunlop, Nigel Taylor, Arnulf Jäger-Waldau, Kenji Araki, Kensuke Nishioka, Yasuyuki Ota, Masafumi Yamaguchi, submitted to *Applied Energy*
3. PV as an ancillary service provider -Laboratory and field experiences from IEA PVPS countries, M. Kraiczy, S. Siegl, J. Schütt, G. Arnold, S. Wende von Berg, D. Mende, M. Braun, R. Bründlinger, G. Heilscher, S. Chen, M. Cauz, L. Perret, R. Guerrero Lemus, N. Lal, A. Knobloch, D. Premm, C. Bucher, I. MacGill, A. Jäger-Waldau, G. Adinolfi, G. Graditi, Proceedings of the 11th Solar & Storage Integration Workshop (2021)
4. True Cost of Solar Hydrogen – Levelised Cost of Hydrogen in Europe 2021 - 2050, Eero Vartiainen, Christian Breyer, David Moser, Eduardo Román Medina, Chiara Busto, Gaetan Masson, Elina Bosch, Arnulf Jäger-Waldau, Proceedings of the 38th EUPVSEC (2021)
5. A Snapshot of Global PV Markets - The Latest Survey Results on PV Markets and Policies from the IEA PVPS Programme in 2020, Gaëtan Masson, Arnulf Jaeger-Waldau, Izumi Kaizuka, José Donoso, Proceedings of the 38th EUPVSEC (2021)
6. Green hydrogen for industrial use in the European Union, Arnulf Jäger-Waldau, Georgia Kakoulaki, Nigel Taylor, European Energy Innovation, Autumn 2021
7. True Cost of Solar Hydrogen, Eero Vartiainen, Christian Breyer, David Moser, Eduardo Román Medina, Chiara Busto, Gaetan Masson, Elina Bosch, Arnulf Jäger-Waldau, *Solar RRL* (2021), doi 10.1002/solr.202100487

8. Development of high-efficiency solar cell modules for PV-powered vehicles, Masafumi Yamaguchi, Ryo Ozaki, Kyotaro Nakamura, Kan-Hua Lee, Nobuaki Kojima, Yoshio Ohshita, Taizo Masuda, Kenichi Okumura, Akinori Satou, Takashi Nakado, Kazumi Yamada, Kenji Araki, Yasuyuki Ota, Kensuke Nishioka, Tatsuya Takamoto, Yusuke Zushi, Tsutomu Tanimoto, Christian Thiel, Anastasios Tsakalidis, Arnulf Jäger-Waldau, *Solar RRL* (2021), doi: 10.1002/solr.202100429
9. Analysis for temperature coefficient and their effect on efficiency of solar cell modules for photovoltaics-powered vehicles, Masafumi Yamaguchi, Kenji Araki, Yasuyuki Ota, Kensuke Nishioka, Tatsuya Takamoto, Taizo Masuda, Christian Thiel, Anastasios Tsakalidis, Arnulf Jäger-Waldau, Kenichi Okumura, Takashi Nakado, Kazumi Yamada, Yusuke Zushi, Tsutomu Tanimoto, Kyotaro Nakamura, Ryo Ozaki, Nobuaki Kojima and Yoshio Ohshita, *Journal of Physics D – Applied Physics* (2021), doi: 10.1088/1361-6463/ac1ef8
10. Solar photovoltaics is ready to power a sustainable future, Marta Victoria, Nancy Haegel, Ian Marius Peters, Ron Sinton, Arnulf Jäger-Waldau, Carlos del Cañizo, Christian Breyer, Matthew Stocks, Andrew Blakers, Izumi Kaizuka, Keiichi Komoto, Arno Smets, *Joule*, 2021, <https://doi.org/10.1016/j.joule.2021.03.005>
11. The Role of Photovoltaics in the Response of the European Member States to the European Green Deal; Arnulf Jäger-Waldau, Georgia Kakoulaki, Nigel Taylor, *Proceedings of the 48th IEEE PVSC*
12. The role of photovoltaics for the European Green Deal and the recovery plan, Ioannis Kougias, Nigel Taylor, Georgia Kakoulaki, Arnulf Jäger-Waldau, *Renewable and Sustainable Energy Reviews*, Volume 144, 2021, 111017, <https://doi.org/10.1016/j.rser.2021.111017>
13. Snapshot of Photovoltaics – March 2021, Arnulf Jäger-Waldau, *EPJ Photovoltaics*, 2021, doi: 10.1051/epjpv/2021002
14. Rocio Gonzalez Sanchez, Ioannis Kougias, Magda Moner-Girona, Fernando Fahl, Arnulf Jäger-Waldau, Assessment of floating solar photovoltaics potential in existing hydropower reservoirs in Africa, *Renewable Energy*, Volume 169, 2021, Pages 687-699, <https://doi.org/10.1016/j.renene.2021.01.041>
15. The Green Hydrogen Transition: Feasibility of Substituting Existing Production with Electrolysis Powered by Local Renewable Energy Sources, Kakoulaki G., Kougias K., Taylor N., F. Dolci F., Moya J., Jäger-Waldau A., *Energy Conversion and Management*, Volume 228, 15 January 2021, 113649, <https://doi.org/10.1016/j.enconman.2020.113649>
16. The Untapped Area Potential for Photovoltaic Power in the European Union, Arnulf Jäger-Waldau, *Clean Technol.* 2020, 2, 440–446; doi:10.3390/cleantechnol2040027

17. How photovoltaics can contribute to GHG emission reductions of 55% in the EU by 2030, Arnulf Jäger-Waldau, Ioannis Kougias, Nigel Taylor, Christian Thiel, *Renewable and Sustainable Energy Reviews*, Volume 126, July 2020, 109836, <https://doi.org/10.1016/j.rser.2020.109836>
18. Self-consumption of electricity produced with photovoltaic systems in apartment buildings - Update of the situation in various IEA PVPS countries, Arnulf Jäger-Waldau, Giovanna Adinolfi, Alexandra Batlle, Martin Braun, Christof Bucher, Alice Detollenaere, Kenn H.B. Frederiksen, Giorgio Graditi, Ricardo Guerrero Lemus, Johan Lindahl, Gerd Heilscher, Markus Kraiczy, Gaëtan Masson, Barry Mather, Christoph Mayr, Diana Moneta, Daniel Mugnier, John Nikolettatos, Gregory Neubourg, Glenn Platt, Angèle Reinders, Mike B. Roberts and Yuzuru Ueda, *Proceedings of the IEEE PVSC-47*, 15 June – 21 August, 2020, Virtual Meeting
19. Benefits for cities and recovery of the local economies Arnulf Jäger-Waldau, *European Energy Innovation*, Summer 2020, p 42 -45
20. Material research for photovoltaics - from lab to market, Arnulf Jäger-Waldau, *Proc. SPIE 11387, Energy Harvesting and Storage: Materials, Devices, and Applications X*, 1138708 (23 April 2020); <https://doi.org/10.1117/12.2559342>
21. Snapshot of Global PV Markets 2020, Alice Detollenaere, July Van Wetter, Gaetan Masson, Izumi Kaizuka, Arnulf Jäger-Waldau, José Donoso, *PVPS Task 1 Strategic PV Analysis and Outreach*, (2020) 10.13140/RG.2.2.24096.74248, ISBN 978-3-906042-94-7
22. Will Electric Vehicles Be Killed (again) or Are They the Next Mobility Killer App?, Christian Thiel, Anastasios Tsakalidis, Arnulf Jäger-Waldau, *Energies* 2020, 13, 1828; doi:10.3390/en13071828
23. Snapshot of Photovoltaics—February 2020, Arnulf Jäger-Waldau, *Energies* 2020, 13, 930, <https://doi.org/10.3390/en13040930>
24. A high-resolution geospatial assessment of the rooftop solar photovoltaic potential in the European Union, Katalin Bódis, Ioannis Kougias, Arnulf Jäger-Waldau, Nigel Taylor, Sándor Szabó, *Renewable and Sustainable Energy Reviews*, Volume 114, October 2019, 109309, <https://doi.org/10.1016/j.rser.2019.109309>
25. The New European Renewable Energy Directive Opportunities and Challenges for Photovoltaics, Arnulf Jäger-Waldau, Katalin Bodis, Ioannis Kougias, Sandor Szabo, *Proceedings of the IEEE PVSC-46*, 16 – 21 June 2019, Chicago, IL, USA, DOI: 10.1109/PVSC40753.2019.8980694
26. Electricity produced from photovoltaic systems in apartment buildings and self-consumption - Comparison of the situation in various IEA PVPS countries, Arnulf Jäger-Waldau, Giovanna Adinolfi, Alexandra Batlle, Martin Braun, Christof Bucher,

Alice Detollenaere, Kenn H.B. Frederiksen, Giorgio Graditi, Ricardo Guerrero Lemus, Johan Lindahl, Gerd Heilscher, Markus Kraiczy, Gaëtan Masson, Barry Mather, Christoph Mayr, Diana Moneta, Daniel Mugnier, John Nikolettatos, Gregory Neubourg, Glenn Platt and Mike B. Roberts, Proceedings of the IEEE PVSC-46, 16 – 21 June 2019, Chicago, IL, USA,

27. A Snapshot of Global PV Markets - The Latest Survey Results on PV Markets and Policies from the IEA PVPS Programme in 2018, Gaëtan Masson, Izumi Kaizuka, Johan Lindahl, Arnulf Jaeger-Waldau, Gregory Neubourg, José Donoso, Francesca Tilli, Proceedings of the IEEE PVSC-46, 16 – 21 June 2019, Chicago, IL, USA, doi 10.1109/PVSC40753.2019.8981142
28. Solar Photovoltaic Electricity Generation: a Lifeline for the European Coal Regions in Transition, K. Bódis, I. Kougias, N. Taylor, A. Jäger-Waldau, Sustainability 2019, 11(3), DOI: 10.3390/su11133703
29. Snapshot of Photovoltaics – February 2019, A. Jäger-Waldau, *Energies* **2019**, 12(5), 769; <https://doi.org/10.3390/en12050769>
30. Diversifying Land-Use Options for the Future Large Scale European PV Deployment, Thomas Huld, Nigel Taylor, Arnulf Jäger-Waldau, Sandor Szabo, Katalin Bódis, Proceedings of the 34th European Conference on Photovoltaic Power Conversion and Exhibition, September 2018, Brussels, Belgium
31. Rooftop PV and Self Consumption of Electricity in Europe – Benefits for the Climate and Local Economies, Arnulf Jäger-Waldau, European Energy Innovation, Autumn 2018, 16 - 20 p
32. Photovoltaics in Europe after the Paris Agreement, Arnulf Jäger-Waldau., Thomas Huld, Katalin Bódis and Sandor Szabo, In Proceedings of the 2018 IEEE 7th World Conference on Photovoltaic Energy Conversion, WCPEC 2018—A Joint Conference of 45th IEEE PVSC, 28th PVSEC and 34th EU PVSEC26, Waikoloa Village; HI, USA, 10–15 June 2018; pp. 3835–3837, doi: 10.1109/PVSC.2018.8547634.
33. Self-consumption of electricity produced from PV systems in apartment buildings - Comparison of the situation in Australia, Austria, Denmark, Germany, Greece, Italy, Spain, Switzerland and the USA, Arnulf Jäger-Waldau, Christof Bucher, Kenn H.B. Frederiksen, Ricardo Guerrero-Lemus, Gaëtan Masson, Barry Mather, Christoph Mayr, Diana Moneta, John Nikolettatos and Mike B. Roberts, In Proceedings of the 2018 IEEE 7th World Conference on Photovoltaic Energy Conversion, WCPEC 2018—A Joint Conference of 45th IEEE PVSC, 28th PVSEC and 34th EU PVSEC26, Waikoloa Village; HI, USA, 10–15 June 2018; pp. 1424–1430, doi:10.1109/PVSC.2018.8547583.

34. A Snapshot of Global PV Markets-The Latest Survey Results on PV Markets and Policies from the IEA PVPS Programme in 2017, Gaëtan Masson, Izumi Kaizuka, Johan Lindahl, Arnulf Jäger-Waldau, Gregory Neubourg, Peter Ahm, José Donoso, Francesca Tilli, Proceedings of the 7th World Conference on Photovoltaic Power Conversion, June 2018, Waikaloa, USA
35. Snapshot of Photovoltaics – February 2018, A. Jäger-Waldau, EPJ Photovoltaics 9, 6 (2018)
36. The Rooftop Potential for PV Systems in the European Union to deliver the Paris Agreement Thomas Huld, Katalin Bodis, Irene Pinedo Pascua, Ewan Dunlop, Nigel Taylor, Arnulf Jäger-Waldau, European Energy Innovation, Spring 2018, 12 - 15 p
37. Photovoltaics and wind status in the European Union after the Paris Agreement, Roberto Lacal Arantegui, Arnulf Jäger-Waldau, January 2018, Renewable and Sustainable Energy Reviews 81:2460 - 2471
38. Why Europe needs to install more PV Systems to deliver the Paris Agreement, Arnulf Jäger-Waldau, European Energy Innovation, Autumn 2017, 48 -51 p
39. Residential Photovoltaic Electricity Generation in the European Union 2017 - Opportunities and Challenges, Arnulf Jäger-Waldau, Thomas Huld, Sandor Szabo, Proceedings of the 44th IEEE PVSC, Washington, DC, 26 to 30 June 2017
40. Snapshot of Photovoltaics – March 2017, Arnulf Jäger-Waldau, Sustainability 2017, 9, 78
41. A methodology for maximizing the benefits of solar landfills on closed sites, Sándor Szabó, Katalin Bódis, Ioannis Kougias, Magda Moner-Girona, Arnulf Jäger-Waldau, Gábor Barton, László Szabó, Renewable and Sustainable Energy Reviews 76 (March 2017) 1291-1300
42. Energy Return on Energy Invested (ERoEI) for photovoltaic solar systems in regions of moderate insolation: A comprehensive response, Marco Raugei, Sgouris Sgouridis, David Murphy, Vasilis Fthenakis, Rolf Frischknecht, Christian Breyer, Ugo Bardi, Charles Barnhart, Alastair Buckley, Michael Carbajales-Dale, Denes Csala, Mariska de Wild-Scholten, Garvin Heath, Arnulf Jäger-Waldau, Christopher Jones, Arthur Keller, Enrica Leccisi, Pierluigi Mancarella, Nicola Pearsall, Adam Siegel, Wim Sinke, Philippe Stolz, Energy Policy 102 (2017) 377–384
43. Costs and Economics of Electricity from Residential PV Systems in Europe, Arnulf Jäger-Waldau, European energy innovation, Winter 2016, p. 29 – 32
44. The potential of water infrastructure to accommodate solar PV systems in Mediterranean islands, Ioannis Kougias, Sandor Szabo, Katalin Bodis, Arnulf Jäger-Waldau, Magda Moner-Girona, Fabio Monforti-Ferrario, Heinz Ossenbrink, Solar Energy Volume 136, 15 October 2016, Pages 174–182

45. A Snapshot of Global PV Markets -The latest survey results on markets and policies from the IEA PVPS programme, Gaëtan Masson, Pius Hüsser, Izumi Kaizuka, Johan Lindahl, Arnulf Jaeger-Waldau, Angelo Baggini, Francesca Tilli, Guastella Salvatore, Peter Ahm, Grégory Neubourg, José Donoso, Chinho Park, Vicente Salas, Jero Ahola, Proceedings of the 32nd EUPVSEC, 20 – 24 June 2016, München, Germany
46. Exploiting existing dams for solar PV system installations, Ioannis Kougias, Katalin Bódis, Arnulf Jäger-Waldau, Fabio Monforti-Ferrario, Sándor Szabó, Progress in Photovoltaics Research and Applications DOI:10.1002/pip.2640, Volume 24, Issue 2, 1 February 2016, Pages 229-239
47. Deployment Pathways for Photovoltaics in the EU Towards 2020: Comparing Economic Factors with Policies at Municipal Level, Nigel Taylor, Sandor Szabò, Albana Kona, Giulia Melica, A. Jäger-Waldau, Heinz Ossenbrink, Proceedings of the 31st EUPVSEC, 14 – 18 September 2015, Hamburg, Germany
48. Towards a European Union of Photovoltaic Solar Electricity, H. Ossenbrink, A. Jäger-Waldau, N. Taylor, S. Szabo, T. Huld, E. Dunlop, Proceedings of the 31st EUPVSEC, 14 – 18 September 2015, Hamburg, Germany
49. Does Europe abandon photovoltaics?, Arnulf Jäger-Waldau, European Energy Innovation, Autumn 2015, 59 – 62
50. The applicability of the Stratics model on industrial level - the case of the PV industry in the scope of European electricity markets, Hrvoje Mederac, Arnulf Jäger-Waldau, Manjola Banja, Fabio Monforti-Ferrario, 12th International CIRCLE Conference for Consumer Behaviour and Retailing Research p. 139-140, ISBN 978-0-9932345-0-7
51. European Photovoltaic Market Contracts in a Rapid Expanding Global Market, Arnulf Jäger-Waldau, European Energy Innovation, Autumn 2014, 52 – 56
52. Renewable government policies versus model predictions, Sándor Szabó, Arnulf Jäger-Waldau, Marta Szabó, Fabio Monforti-Ferrario, Lazlo Szabó and Heinz Ossenbrink, Energy Strategy Review, 2 (2014) 257–264
53. Mapping the cost of electricity from grid-connected and off-grid PV systems in Africa, Thomas Huld, Arnulf Jäger-Waldau and Sándor Szabó, Proceedings of the 1st Africa PVSEC, 27 – 29 March 2014, Durban, South Africa
54. Installing Solar Systems on the face of existing African dams for additional energy production, Kougias Ioannis, Bódis Katalin, Jäger-Waldau Arnulf, Szabó Sándor, Proceedings of the 1st Africa PVSEC, 27 – 29 March 2014, Durban, South Africa
55. Lessons learnt from the AFRETEP for the African PV sector development, Sandor Szabó, Katalin Bódis; Thomas Huld, Irena Irene Pinedo-Pascua, Arnulf Jäger-Waldau, Proceedings of the 1st Africa PVSEC, 27 – 29 March 2014, Durban, South Africa

56. How Competitive is Photovoltaic Electricity, Arnulf Jäger-Waldau, European Energy Innovation, Autumn 2013, 14 – 17
57. Techno-Economic Optimisation of Limited Resources in Steam Biomass Plants – Croatian Case Study, H. Mederac, A. Jäger-Waldau F. Monforti Ferrario, N. Scarlat, S. Szabo, Proceedings of the 21st European Biomass Conference and Exhibition, 3 to 7 Jun2 2013, Copenhagen, Denmark
58. Realising Solar Power's Potential in the European Union, G. De Santi, A. Jaeger-Waldau, N. Taylor, H. Ossenbrink, Phil. Trans. R. Soc. A, 2013 371 1996 20120391; doi:10.1098/rsta.2012.0391 (published 1 July 2013) 1471-2962
59. The Future of PV, Arnulf Jäger-Waldau, International Sustainable Energy Review, Vol 6, Issue 4 (2012) 10 – 13
60. New Opportunities for PV Systems, H. Ossenbrink, A. Jäger-Waldau, T. Huld, N. Taylor, Proceedings of the 27th European Photovoltaic Energy Conference and Exhibition, 24 to 28 September 2012, Frankfurt, Germany
61. Photovoltaics and our Future Energy Supply, Arnulf Jäger-Waldau, European Energy Innovation, Autumn 2012, 13 – 15
62. Thin Film Photovoltaics: Markets and Industry, A. Jäger-Waldau, International Journal of Photoenergy, 2012 Article ID 768368, 6 pages; doi:10.1155/2012/768368
63. PV Snapshot, A. Jäger-Waldau, QualEnergia (n. 1, febbraio-marzo 2012), pp 10 -14
64. A bright 2012, Arnulf Jäger-Waldau, Heinz Ossenbrink, International Sustainable Energy Review, 5 (2012) 41 – 44
65. Photovoltaics: Status and Perspectives until 2020, A. Jäger-Waldau, Green, Vol. 1 (2011), pp. 277–290
66. Quo Vadis Photovoltaics 2011, A. Jäger-Waldau, EPJ Photovoltaics 2, 20801 (2011), doi: 10.1051/epjpv/2011005
67. Europe must boost investment in solar power, Arnulf Jäger-Waldau, PS Public Service Europe, 2011, Online
<http://www.publicserviceeurope.com/article/948/europe-must-boost-investment-in-solar-power>
68. Status of Photovoltaics in 2011, A. Jäger-Waldau, Intelligent Glass Solutions, Issue 3 (2011) 18 – 22

69. Renewable Electricity in Europe, Arnulf Jäger-Waldau, Marta Szabó, Nicolae Scarlat and Fabio Monforti-Ferrario, *Renewable & Sustainable Energy Reviews* 15 (2011) 3703– 3716
70. Progress in chalcopyrite compound semiconductor research for photovoltaic applications and transfer of results into actual solar cell production, A. Jäger-Waldau, *Solar Energy Materials and Solar Cells* 95 (2011) 1509–1517
71. CuGa_xSe_y Chalcopyrite-related Thin Films Grown by Chemical Close-Spaced Vapor Transport (CCSVT) for Photovoltaic Applications: Surface- and Bulk Material Properties, Oxidation and Surface Ge-Doping, M. Rusu, S. Wiesner, R. Würz, S. Lehmann, S. Doka-Yamigno, A. Meeder, D. Fuertes Marrón, M. Bär, V. Koteski, H.-E. Mahnke, E. Arushanov, J. Beckmann, K. Höhn, W. Fritsch, W. Böhne, P. Schubert-Bischoff, M. Heuken, A. Jäger-Waldau, A. Rumberg, Th. Schedel-Niedrig, *Solar Energy Materials and Solar Cells*, 95 (2011) 1555–1580
72. The Risk Adjusted Financial Cost of Photovoltaics, Sándor Szabó, Arnulf Jäger-Waldau, Laszlo Szabó, *Energy Policy*, Volume 38, Issue 7, July 2010, Pages 3807-3819
73. Current Status of Photovoltaics and Market Developments, Arnulf Jäger-Waldau, *InterPV*, June 2010
74. The Risk Adjusted Financial Cost of PV, Sándor Szabó, Arnulf Jäger-Waldau, Laszlo Szabó, *Proceedings of the 24th European Photovoltaic Solar Energy Conference*, Hamburg, Germany (2009)
75. Thin Film Photovoltaic Technology and Developments, Arnulf Jäger-Waldau, *European Sustainable Energy Review*, Issue 3, 2008, p.34 – 37
76. More Competition: Threat or Chance to Financing Renewable Electricity?, Sándor Szabó, Arnulf Jäger-Waldau, *Energy Policy* Volume 36, Issue 4, April 2008, Pages 1436-1447
77. Photovoltaics and Renewable Energies in Europe
Arnulf Jäger-Waldau
Renewable & Sustainable Energy Reviews, Volume 11, Issue 7, September 2007, Pages 1414-1437
78. Potential of Electricity from Photovoltaics and other Renewable Energies - Status in the European Union
Arnulf Jäger-Waldau
Proceedings of the Renewables 2006, 9 – 13 October 2006, Chiba, Japan

79. Increasing the share of Photovoltaics – Is it an obstacle or imminent for a competitive European electricity market?
Sándor Szabó, Arnulf Jäger-Waldau
Proc. of the 21st European Photovoltaic Solar Energy Conference, Dresden, Germany, (2006)
80. Challenges to Realise 1% Electricity from Photovoltaic Solar Systems in the European Union by 2020
Arnulf Jäger-Waldau, Marcel Suri, Ewan Dunlop, Heinz Ossenbrink, Thomas Huld, Tomas Cebecauer
Proceedings of the 4th World Conference on Photovoltaic Energy Conversion, 8 to 12 May 2006, USA
81. European Photovoltaics in World Wide Comparison
Arnulf Jäger-Waldau
Journal of Non Crystalline Solids, Volume 352, Issues 9-20, 15 June 2006, Pages 1922-1927
82. Photovoltaics – Markets and Benefits
Arnulf Jäger-Waldau
environment protection engineering, 1/2006, p 117 – 126; ISSN 0324-8828
83. Economic And Social Benefits of Photovoltaics
Arnulf Jäger Waldau
Technical Digest of the 15th International Photovoltaic Science and Engineering Conference (PVSEC-15), Shanghai China, 10 – 15 October 2005, p. 353-354
84. Economic Analysis of Photovoltaic Shading Devices in the Mediterranean Built-in Environment
J.J. Bloem, A. Jäger-Waldau, A. Colli
Proc. of the 20th European Photovoltaic Solar Energy Conference, Barcelona, Spain, (2005) 3107-3110
85. Implications of European Environmental legislation for Photovoltaic Systems,
M.J. de Wild-Scholten K. Wambach E.A. Alsema A. Jäger-Waldau
Proc. of the 20th European Photovoltaic Solar Energy Conference, Barcelona, Spain, (2005) 3143-3147

86. A Voluntary Take Back System for PV Modules in Europe,
K. Wambach, S. Schlenker, A. Jäger-Waldau
Proc. of the 20th European Photovoltaic Solar Energy Conference, Barcelona, Spain,
(2005) 3165-3168
87. PV status: Research, Solar cell Production and Market Implementation of
Photovoltaics
Arnulf Jaeger Waldau
Refocus, Volume 6, Issue 3, May-June 2005, Pages 20-23
88. EU renewables: Energy end-use efficiency and electricity from biomass, wind and PV
in the EU
Arnulf Jäger-Waldau and Harald Scholz
Refocus, Volume 6, Issue 2, March-April 2005, Pages 58-60
89. Status of Thin Film Solar Cells in Research, Production and the Market
A. Jäger-Waldau; Solar Energy 77 (2004) 667-678
90. Silicon heterojunction cells R&D in Europe, F. Roca, J. Carabe, A. Jäger-Waldau,
Proceedings of the 31st IEEE Photovoltaics Specialists Conference, Orlando, USA,
January 2005
91. Silicon Heterojunction Cell R&D in Europe
F. Roca, J. Cárabe and A. Jäger-Waldau
Proc. of the 19th European Photovoltaic Solar Energy Conference, Paris France,
(2004) 1321-1327
92. EU Directives, National Regulations and Incentives for Photovoltaic Solar Energy
A. Jäger-Waldau, H. Ossenbrink, H. Scholz, H. Bloem, L. Werring
Proc. of the 19th European Photovoltaic Solar Energy Conference, Paris France,
(2004) 3218-3221
93. Scientific Technical Reference System for Renewable Energies
H. Scholz and A. Jäger-Waldau
Proc. of the 19th European Photovoltaic Solar Energy Conference, Paris France,
(2004) 2827-2830
94. European Research Roadmap for Photovoltaics
A. Jäger-Waldau
Proceedings of the 8th World Renewable Energy Congress, Denver, USA (2004)

95. Progress of Electricity from Biomass, Wind and Photovoltaics in The European Union
Arnulf Jäger-Waldau and Heinz Ossenbrink
Renewable & Sustainable Energy Reviews, Elsevier 8 (2004) 157–182
96. Changes in spectral response with temperature and irradiance intensity
H. Müllejans, T. Wagner, F. Merli, A. Jäger-Waldau, E.D. Dunlop
Thin Solid Films 451/452 (2004) 145–152
97. R&D Roadmap for PV
A. Jäger-Waldau
Thin Solid Films, 451/452 (2004) 448–454
98. A European Roadmap for PV R&D
A. Jäger-Waldau
Proc. 3rd World Conference on Photovoltaic Energy Conversion,
Osaka, Japan, 11 - 18 May 2003, p.2603 - 2606
99. Temperature dependence of the exciton gap in monocrystalline CuGaSe₂
A. Meeder, A. Jäger-Waldau, V. Tezlevan, E. Arushanov, T. Schedel-Niedrig and M.
Ch. Lux-Steiner
Journal of Physics: Condensed Matter. 15 (2003) 6219-6227
100. ZnSe buffer prepared by iodine-enhanced chemical vapour deposition for
Cu(In,Ga)(Se,S)₂-based solar cells
A. Rumberg, A. Gerhard, A. Jäger-Waldau and M. Ch. Lux-Steiner
Solar Energy Materials and Solar Cells, 75 (1-2) p1-8, (2003)
101. PVNET - R&D Roadmap for European PV
A. Jäger-Waldau
Proc. PV in Europe Conference, Rome, 7 – 11 October 2002, p 924-927
102. Massenproduktion von Solarzellen in Japan, USA und EU,
A. Jäger-Waldau
Vortragsband: Nachhaltige EnergieTechnik in Buchs, Vol. 1,
Hrsg. F. Baumgartner, H. Ossenbrink, ISBN 907134-109, NTB (2002)
103. Development of a Roadmap for European PV R&D
A. Jäger-Waldau
Proc. World Renewable Energy Congress VII, Köln, Germany (2002)

104. High resolution work function imaging of single grains of semiconductor surfaces
S. Sadewasser, Th. Glatzel, M. Rusu, A. Jäger-Waldau and M. Ch. Lux-Steiner
Appl. Phys. Lett. 80, 2979 (2002).
105. Contribution of ZnSe/CuGaSe₂ Heterojunction in Photovoltaic Performances of
Chalcopyrite Based Solar Cells
M. Rusu, P. Gashin, A. Simashkevich, S. Sadewasser, Th. Glatzel, A. Jäger-Waldau
Thin Solid Films 403 – 404 (2002) 344 – 348
106. Photoluminescence and Subbandgap Absorption of CuGaSe₂ Thin Films
A. Meeder, D. Fuertes-Marron, A.M. Sembian, A. Jäger-Waldau, M.Ch. Lux-Steiner,
V. Chu, J.P. Conde
Thin Solid Films 403 – 404 (2002) 495 – 499
107. Investigation of Atomic Diffusion at Cu(In,Ga)(S,Se)₂/ZnSe Interfaces Studied by
HI-ERDA
S. Lindner, W. Böhne, A. Jäger-Waldau, M. Lux-Steiner, J. Röhrich, G. Vogl
Thin Solid Films 403 – 404 (2002) 432 – 437
108. Interface characterization of flash and CVD prepared ZnSe/CuGaSe₂ heterojunctions
M. Rusu, S. Sadewasser, Th. Glatzel, P. Gashin, A. Jäger-Waldau, A. Simashkevich,
M.Ch. Lux-Steiner, *Moldavian Journal of the Physical Sciences*, v.1, No.1, (2002)
124-127
109. PVNET - Development of a Roadmap for European PV R&D
A. Jäger-Waldau, Proceedings of the World Renewable Energy Congress VII (WREC
2002)
110. PVNET - Development of a Roadmap for European PV R&D
A. Jäger-Waldau
Proc. ENERGIE-PV-Contractors' Meeting, 19/20 March, Cercidillia, 2002
111. Kelvin Probe Force Microscopy for the Characterization of Semiconductor Surfaces
in Chalcopyrite Solar Cells
Ch. Sommerhalter, S. Sadewasser, Th. Glatzel, Th.W. Matthes, A. Jäger-Waldau and
M.Ch. Lux-Steiner
Surface Science, 482-485 (2001) 1362

112. (Zn,Mg)O as window layer for Cd-free chalcopyrite solar cells
Th. Glatzel, S. von Roon, S. Sadewasser, R. Klenk, A. Jäger-Waldau and M. Ch. Lux-Steiner
Proc. of the 17th European Photovoltaic Solar Energy Conference, Munich, Germany, (2001) 1151 – 1154
113. Surface Photo Voltage Measurements for the Characterization of the CuGaSe₂/ZnSe Interface Using Kelvin Probe Force Microscopy
S. Sadewasser, Th. Glatzel, M. Rusu, A. Jäger-Waldau and M. Ch. Lux-Steiner
Proc. of the 17th European Photovoltaic Solar Energy Conference, Munich, Germany, (2001) 1155 – 1158
114. Characterisation of thin film solar cells based on two-sources CVD-grown CuGaSe₂
D. Fuertes Marrón, A. Meeder, I. Gavilanes Pérez, A. Rumberg, A. Jäger-Waldau and M.Ch. Lux-Steiner
Proc. of the 17th European Photovoltaic Solar Energy Conference, Munich, Germany, (2001) 1159 - 1162
115. Interface characterization of flash and CVD prepared ZnSe/CuGaSe₂ heterojunctions
M. Rusu, S. Sadewasser, Th. Glatzel, P. Gashin, A. Jäger-Waldau, A. Simashkevich and M. Ch. Lux-Steiner
Proc. of the Int. Conference on Material Science and Condensed Matter Physics, Chisinau, Moldova, (2001)
116. Thin Film Solar Cells Based on Chalcopyrites
M.Ch. Lux-Steiner, A. Ennaoui, Ch.-H. Fischer, A. Jäger-Waldau, J. Klaer, R. Klenk, R. Könenkamp, Th. Matthes, R. Scheer, S. Siebentritt, A. Weidinger
Proc. of the Int. Conference on Material Science and Condensed Matter Physics, Chisinau, Moldova (2001).
117. Surface photo voltage measurements for the characterization of the CuGaSe₂ ZnSe interface using Kelvin probe force microscopy, Sadewasser S, Glatzel Th, Rusu M, Jäger Waldau A, Lux Steiner M.Ch, MRS Proceedings 01/2001; 669.
DOI:dx.doi.org/10.1557/PROC-668-H5.4
118. Kelvin Probe Force Microscopy for the Characterization of Semiconductor Surfaces
Th. Glatzel, S. Sadewasser, Ch. Sommerhalter, Th.W. Matthes, A. Jäger-Waldau and M. Ch. Lux-Steiner
Proc. Triple-O Workshop "Scanning Probe Microscopy in Nanotechnology", Wroclaw (Poland), July 10-11, 2001.

119. ZnSe Buffer Prepared by Iodine Enhanced Chemical Vapour Deposition for CIGSSe Based Solar Cells
A. Rumberg, A. Jäger-Waldau and M.Ch. Lux-Steiner
Proc. of PVSEC-12, Cheju, Korea, 2001
120. Characterization of CuGaSe₂/ZnSe Interface Using Kelvin Probe Force Microscopy
S. Sadewasser, Th. Glatzel, M. Rusu, A. Meeder, D. Fuertes Marrón, A. Jäger-Waldau, M.Ch. Lux-Steiner
Proc. of the MRS Spring Meeting 2001, San Francisco, USA
Mater. Res. Soc. Symp. Proc.; **668** (2001).
121. CVD of CuGaSe₂ for Thin Film Solar cells Employing Two Binary Sources
D. Fischer, T. Dylla, N. Meyer, M.E. Beck, A. Jäger-Waldau and M. Ch. Lux-Steiner
Proc. of EMRS Spring Meeting, Strasbourg, 2000
Thin Solid Films 387/1-2 (2001) 63-66
122. CVD of CuGaSe₂ for thin film solar cells with various transport agents
D. Fischer, N. Meyer, M. Kuczmik, M. Beck, A. Jäger-Waldau, M. Ch. Lux-Steiner
Solar Energy Materials & Solar Cells 67 (2001) 105-112
123. Structural Properties and Growth Mechanism of CuGaSe₂ Thin Films for Solar Cells Grown by Two-Source CVD
D. Fischer, T. Dylla, A.M. Sembian, A. Jäger-Waldau and M. Ch. Lux-Steiner
Proc. of POLYSE-2000, 3 – 7 September 2000, Saint Malo, France
Solid State Phenomena Vols.80-81 (2001) pp. 275 -280
124. Solar cells based on HCVD grown CuGaSe₂ absorbers with high V_{oc}
N. Meyer, T. Dylla, A. Rumberg, D. Fischer, M. Beck, A. Jäger-Waldau and M. Ch Lux-Steiner
Proc. of the 16th European Conference and Exhibition on Photovoltaic Solar Energy Conversion, Glasgow, 2000
125. Kelvin probe force microscopy in ultra-high vacuum using amplitude modulation detection of the electrostatic forces
C. Sommerhalter, T. Glatzel, T.W. Matthes, A. Jager-Waldau, M.Ch.Lux-Steiner
J. Appl. Surf. Sci., 157 (2000) pp 263-268
126. Theoretical Model and Device Performance of CuInS₂ Thin Film Solar Cells
K. Ito, N. Matsumoto, T. Horiuchi, K. Ichino, H. Shimoyama, T. Ohashi, Y. Hashimoto, I. Hengel, J. Beier, R. Klenk, A. Jäger-Waldau, M. Ch. Lux-Steiner
Jpn. J. Appl. Phys., Vol 39 (2000), 126 - 136

127. Processes for Chalcopyrite Based Solar Cells
M.Ch. Lux-Steiner, A. Ennaoui, Ch.-H. Fischer, A. Jäger-Waldau, J. Klaer, R. Klenk, R. Könenkamp, Th. Matthes, R. Scheer, S. Siebentritt, A. Weidinger
Thin Solid Films, 361/62, (2000) 533-539
128. ZnSe Thin Films Grown by Chemical Vapour Deposition (CVD) for Application as Buffer Layer in CIGS Solar Cells
A. Rumberg, C. Sommerhalter, A. Jäger-Waldau, M. Ch. Lux-Steiner
Thin Solid Films, 361/62, (2000) 172-176
129. Structural Analysis of $\text{Cu}_{1-x}\text{Ag}_x\text{GaSe}_2$ Bulk Materials and Thin Films
M.E. Beck, T. Weiss, S. Fiechter, A. Jäger-Waldau, and M.Ch. Lux-Steiner
Thin Solid Films, 361/62, (2000) 130-134
130. Chemical Vapor Deposition (CVD) of CuGaSe_2 for thin film solar cells with various transport agents
D. Fischer, N. Meyer, M. Beck, A. Jäger-Waldau, M. Ch. Lux-Steiner
Technical Digest, 11th International Photovoltaic Science and Engineering Conference, Sapporo, Japan, 20.9 – 24.9.1999, p. 833
131. High-sensitivity quantitative Kelvin probe microscopy by noncontact ultrahigh vacuum atomic force microscopy
Ch. Sommerhalter, Th. W. Matthes, Th. Glatzel, A. Jäger-Waldau, M.Ch. Lux-Steiner
Appl. Phys. Lett. 75(2), (1999) 286-288
132. Research on Wide-Gap Chalcopyrites for Solar Cells: Materials and Technology
M.Ch. Lux-Steiner, Ch.-H. Fischer, R. Klenk, R. Könenkamp, A. Jäger-Waldau, Th. W. Matthes, S. Siebentritt, A. Weidinger;
Tech. Digest of New Sunshine Workshop, January 29, 1999, Tokyo, Japan
133. Preparation of CuInS_2 Thin Films by Sequential Evaporation of In_2S_3 and CuS
S. Bleyhl, M. Saad, K. Diesner, A. Jäger-Waldau and M. Ch. Lux-Steiner
Polycrystalline Semiconductors V – Bulk Materials, Thin Films and devices, Solid State Phenomena, Vol. 67-68 (1999) 367
134. Gallium Doped ZnO for Thin Film Solar Cells
A. Jäger-Waldau, H.-J. Muffler, R. Klenk, M. Kirsch, C. Kelch and M. Ch. Lux-Steiner
Compound Semiconductors, Institut of Physics Series No 162, Chapter 10 (1999) 565

135. Stoichiometry and Impurity Concentrations in II-VI Compounds Measured by Elastic Recoil Detection Analysis (ERDA)
M. Birkholz, W. Böhne, J. Röhrich, A. Jäger-Waldau, M. C. Lux-Steiner
Journal of Crystal Growth 197 (1999) 571
136. Ag-Doped CuGaSe₂ as a Precursor for Thin Film Solar Cells
T. Weiss, M. Birkholz, M. Saad, S. Bleyhl, M. Kunst, A. Jäger-Waldau, M.Ch. Lux-Steiner
Journal of Crystal Growth, 198/199 (1999) 1190
137. Radiant Recombination in ZnO/CdS/CuIn(Ga)S₂ Solar Cells
M. Saad, S. Bleyhl, A. Jäger-Waldau, M.Ch. Lux-Steiner, T. Ohashi, Y. Hashimoto, K. Ito
Proc. of the 2nd World Conference and Exhibition on Photovoltaic Solar Energy Conversion, Wien, 1998
138. Scanning tunnelling microscopy and photoassisted scanning tunnelling spectroscopy on semiconductors with a low surface state density
Ch. Sommerhalter, Th. W. Matthes, A. Jäger-Waldau, M.Ch. Lux-Steiner, J. Boneberg, P. Leiderer
Proc. IVC 14, Birmingham, 1998
139. Preparation of CuGaSe₂ absorber layers by Chemical vapor transport of synthesized CuGaSe₂ bulk material
N. Meyer, M. Birkholz, D. Fischer, T. Weiss, A. Jäger-Waldau, M. Saad, S. Bleyhl, M. Kunst, M.Ch. Lux-Steiner
Proc. of the 2nd World Conference and Exhibition on Photovoltaic Solar Energy Conversion, Wien, 1998
140. A new approach to grow polycrystalline CuGaSe₂ thin films: CVD with I₂ as transport agent
A. Jäger-Waldau, N. Meyer, T. Weiss, S. Fiechter, M. Ch. Lux-Steiner, K. Tempelhoff and W. Richter, Japanese Journal of Applied Physics, 37 (1998) 1617-1621
141. Polycrystalline CuGaSe₂ thin films grown by CVD with I₂ as transport agent
A. Jäger-Waldau, N. Meyer, T. Weiss, S. Fiechter, M. Ch. Lux-Steiner, K. Tempelhoff and W. Richter
Proc. of the Int'l. Conference on the Solid State Device and Materials, Hamamatsu 1997

142. Properties of CuInS₂ thin films grown by a two-step process without H₂S
R. Klenk, U. Blieske, V. Dieterle, K. Ellmer, S. Fiechter, I. Hengel, A. Jäger-Waldau,
T. Kampschulte, Ch. Kaufmann, J. Klaer, M. Ch. Lux-Steiner, D. Braumger, D.
Hariskos, M. Ruckh, H.W. Schock
Solar Energy Materials and Solar Cells 49 (1997) 343 - 348
143. Chalcopyrites for Photovoltaic applications
A. Jäger-Waldau;
Report on FY 1996 Alternative Energy Programme, NEDO-P9653, p 36 -39
144. The Japanese New Sunshine Project
A. Jäger-Waldau;
Report on FY 1996 Alternative Energy Programme, NEDO-P9653, p 55 - 62
145. Solar Cells with CuIn(S_xSe_{1-x})₂ Thin Films Prepared by Sulphurization
T. Ohashi, A. Jäger-Waldau, T. Miyazawa, Y. Hashimoto and K. Ito
Cryst. Res. Technol., 31 (1996) 435-438
146. Influence of KCN Treatment on CuInS₂ Thin Films
Y. Ogawa, A. Jäger-Waldau, Y. Hashimoto and K. Ito
Appl. Surface Science, 92 (1996) p. 232 - 236
147. Material properties of WS₂ dependent on grain size and chemical treatments,
Th.W. Matthes, R. Herberholz, J. Boneberg, B. Lemming, A. Jäger-Waldau, A.
Smith, M.Ch. Lux-Steiner,
13th EC Photovoltaic Solar Energy Conf., Nice (1995) p.1307-1310
148. CuIn(S_xSe_{1-x})₂ thin films by sulphurization
T. Ohashi, A. Jäger-Waldau, T. Miyazawa, Y. Hashimoto and K. Ito
Japanese Journal of Applied Physics, 34 (1995) p. 4159 - 4162
149. In₂O₃/CdS/CuInS₂ thin film solar cell with 9.7% efficiency
Y. Ogawa, A. Jäger-Waldau, Y. Hashimoto and K. Ito
Japanese Journal of Applied Physics, 33 (1994) 1775
150. CuIn(S_xSe_{1-x})₂ thin films by sulphurization and selenization
T. Ohashi, A. Jäger-Waldau, Y. Ogawa, Y. Hashimoto and K. Ito
Proc. of MRS Fall Meeting, Boston, 1994
151. MoS₂, MoSe₂, WS₂ and WSe₂ thin Films for Photovoltaics
A. Jäger-Waldau, M.Ch. Lux-Steiner and E. Bucher
Polycrystalline Semiconductors III - Physics and Technology, Solid State
Phenomena, Trans Tech, Zürich, (1994), p. 479 - 484

152. WS₂ thin films prepared by sulphurization
A. Jäger-Waldau, M.Ch. Lux-Steiner, G. Jäger-Waldau, E. Bucher
Appl. Surface Science, 70/71 (1993) 731
153. WS₂ Thin Films a New Candidate for Solar Cells
A. Jäger-Waldau, M.Ch. Lux-Steiner, G. Jäger-Waldau and E. Bucher
Proc. of 23rd IEEE Photovoltaic Specialist Conference, Louisville, KY USA, (1993)
154. MoS₂ thin films prepared by sulphurization
A. Jäger-Waldau, M.Ch. Lux-Steiner, E. Bucher, L. Scandella, A. Schumacher,
R. Prins;
Appl. Surface Science, 65/66 (1993) 465
155. Photoassisted Tunnelling Spectroscopy on WSe₂ and MoSe₂ by Scanning
Microscope
S. Akari, M.Ch. Lux-Steiner, T.Schill, K. Glöckler, R. Heitkamp, A. Jäger-Waldau,
M. Vögt and E. Bucher,
Proceedings of 11th European Photovoltaic Solar Energy Conference,
12 - 16 October 1992, Montreux, Switzerland, p 954 - 957
156. Diffusion length measurements of heterojunction thin films by junction EBIC
G. Jäger-Waldau, D. Schmid, A. Jäger-Waldau,
Journal de Physique IV, 1 (1991) C6-131
Proc. 2nd BIADS, Meudon, France, (1991)
157. Thin Films of MoSe₂ and WSe₂ Prepared by Soft Selenization as Bulk Material for
Solar Cells
A. Jäger-Waldau, M. Lux-Steiner and E. Bucher,
Proceedings of 10th European Photovoltaic Solar Energy Conference,
8-12 April 1991, Lisbon, Portugal, p.597
158. WSe₂ Thin Films Prepared by Soft Selenization
A. Jäger-Waldau and E. Bucher,
Thin Solid Films, 200 (1991) 157
159. Optical and Electronic Properties of MoSe₂ Thin Films Prepared by Soft Selenization
A. Jäger-Waldau, M. Lux-Steiner, R. Jäger-Waldau and E. Bucher,
in Polycrystalline Semiconductors II, Proceedings of the POLYSE 90, Schwäbisch
Hall, FRG, (1990) p. 397, Springer Verlag, Heidelberg, (1991), ISBN 3-540-53613-2

160. Composition and Morphology of MoSe₂ Thin Films
A. Jäger-Waldau, M. Lux-Steiner, R. Jäger-Waldau, R. Burkhardt and E. Bucher,
Thin Solid Films, 189 (1990) 339
161. n-ZnO/p-MoSe₂ Heterojunction Solar Cells
A. Jäger-Waldau, M. Lux-Steiner, P. Dolatzoglou and E. Bucher
5th Int. PVSEC, Kyoto, Japan, (1990), p.287 - 290
162. Preparation and Solar Cell Performance of n-ZnO/p-WSe₂ Heterojunctions
M. Lux-Steiner, M. Vögt, P. Dolatzoglou, A. Jäger-Waldau and E. Bucher,
3rd Int. PVSEC, Tokyo, Japan, (1987), p.687 - 690

Chapters in books

163. A. Jäger-Waldau, Overview of the Global PV Industry, Reference Module in Earth Systems and Environmental Sciences, 2021, DOI:10.1016/B978-0-12-819727-1.00054-6
164. Arnulf Jäger-Waldau, PV Markets and Industry, 2019, in Encyclopedia of Sustainability Science and Technology, Editors: Robert A. Meyers, Publisher: Springer Science+Business Media, LLC, part of Springer Nature 2019, DOI: 10.1007/978-1-4939-2493-6_1072-1
165. Sandor Szabó, Ioannis Kougias, Katalin Bódis, Magda Moner Girona, Arnulf Jäger-Waldau, Integrating existing African infrastructures into the Water Energy Food Ecosystem nexus approach, in Proceedings of the Workshop on Water – Energy – Food - Ecosystems (WEFE) and Sustainable Development Goals (SDGs), 25 - 26 January 2018, Editors: S. Barchiesi, C. Carmona-Moreno, C. Dondeynaz, M. Biedler, Publications Office of the European Union, Luxembourg, 2018, ISBN 978-92-79-99562-0, doi 10.2760/867467, JRC109346
166. Arnulf Jäger-Waldau, Solar Energy and Photovoltaics, 2015, The Lightest Metals: Science and Technology from Lithium to Calcium, Edited by Timothy P. Hanusa, John Wiley & Sons, ISBN 978-1-118-70328-1
167. Arnulf Jäger-Waldau, PV Electricity Costs and Economics of PV Systems, Vol.6. Solar Eng.-II (Photo & Solar Cells), Energy Science and Technology, 2015, Studium Press LLC, ISBN: 978-1-626990-67-8
168. Arnulf Jäger-Waldau, Chapter 2: Market Challenges for CZTS-Based Thin Film Solar Cells, 2015, Copper Zinc Tin Sulphide-Based Thin Film Solar Cells, Edited by Kentaro Ito, John Wiley & Sons, ISBN: 978-1-118-43787-2

169. Arnulf Jäger-Waldau, Chapter 13: The Photovoltaic Business: Manufacturers and Markets, 2014, Clean Electricity From Photovoltaics (2nd Edition), Editors: M. Archer and M. Green, Imperial College Press, ISBN 978-1-84816-767-4
170. A. Jäger-Waldau, Overview of the Global PV Industry, Reference Module in Earth Systems and Environmental Sciences, 2013, <http://dx.doi.org/10.1016/B978-0-12-409548-9.04800-4>, Update of A. Jäger-Waldau, 1.09 - Overview of the Global PV Industry, Comprehensive Renewable Energy, Volume 1, 2012, Pages 161-177
171. Status of Photovoltaics, Solar Energy, Edited by Christoph Richter, Daniel Lincot and Christian A. Gueymard, 2013, ISBN 978-1-4614-5805-0 ISBN 978-1-4614-5806-7 (eBook); ISBN 978-1-4614-5842-5 (print and electronic bundle); DOI 10.1007/978-1-4614-5806-7; Springer New York Dordrecht Heidelberg London
172. Arnulf Jäger-Waldau, Chapter IC-4 - Progress in Chalcopyrite Compound Semiconductor Research for Photovoltaic Applications and Transfer of Results into Actual Solar Cell Production in *Solar Cells (Second Edition)*, by Augustin McEvoy, Luis Castaner and Tom Markvart, Elsevier 2013, Pages 305-325, ISBN: 978-0-12-386964-7
173. Arnulf Jäger-Waldau, Chapter IIC-1 - The Photovoltaic Market in *Solar Cells (Second Edition)*, by Augustin McEvoy, Luis Castaner and Tom Markvart, Elsevier 2013, Pages 549 - 564, ISBN: 978-0-12-386964-7
174. Arnulf Jäger-Waldau, Chapter IIC-2 - The Photovoltaic Industry in *Solar Cells (Second Edition)*, by Augustin McEvoy, Luis Castaner and Tom Markvart, Elsevier 2013, Pages 565-583, ISBN: 978-0-12-386964-7
175. E. Bartholomé, A. Belward, K. Bódis, F. Bouraoui, J.-F. Dallemand, T. Huld, M. Gaetani, A. Jäger-Waldau, P. Mayaux, M. Moner-Gerona, F. Monforti, V. Motola, H. Ossenbrink, L. Pozzoli, S. Russo, N. Scarlat, J. Skøien, S. Szabó, J. Thielen, E. Vignati, The availability of renewable energies in a changing Africa – Assessing climate and non-climate effects, Editor F. Monforti, JRC Reference Report, 2013, EUR 25980 EN, Publications Office of the European Union, ISBN 978-92-79-29941-4
176. Arnulf Jäger-Waldau, Fabio Monforti-Ferrario, Manjola Banja, Hans Bloem, Roberto Lacal, Marta Szabo, Renewable Energy Snapshots 2012, Euro-Report EUR 25756 EN, 2013, 57 pages; Luxembourg: Office for Official Publications of the European Union, 2013; ISBN 978-92-79-28218-8

177. Arnulf Jäger-Waldau, Overview of the global PV industry, in *Earth and Planetary Sciences Volume 1*, pp 161 – 177, Ali Sayigh (Ed), Elsevier 2012, ISBN: 978-008087873-7
178. Arnulf Jäger-Waldau, 1.09 - Overview of the global PV industry in *Comprehensive Renewable Energy, Volume 1*, pp 161 – 177, Ali Sayigh (Ed), Elsevier 2012, ISBN: 978-0-08-087872-0
179. Arnulf Jäger-Waldau, Status of Photovoltaics in *Encyclopedia of Sustainability Science and Technology*, Rober A. Meyer (Ed), Springer 2012, ISBN 978-0-387-89469-0
180. Arnulf Jäger-Waldau, Chapter IC-4 - Progress in Chalcopyrite Compound Semiconductor Research for Photovoltaic Applications and Transfer of Results into Actual Solar Cell Production in *Practical Handbook of Photovoltaics (Second Edition)*, by Augustin McEvoy, Tom Markvart & Luis Castaner, Elsevier 2012, Pages 373-395
181. Arnulf Jäger-Waldau, Appendix D - The Photovoltaic Market in *Practical Handbook of Photovoltaics (Second Edition)*, by Augustin McEvoy, Tom Markvart & Luis Castaner, Elsevier 2012, Pages 1137-1152
182. Arnulf Jäger-Waldau, Appendix D - The Photovoltaic Industry in *Practical Handbook of Photovoltaics (Second Edition)*, by Augustin McEvoy, Tom Markvart & Luis Castaner, Elsevier 2012, Pages 1153-1172
183. Ottmar Edenhofer, Ramon Pichs, Youba Sokona, Dan Arvizu, Thomas Bruckner, John Christensen, Jean-Michel Devernay, Andre Faaij, Manfred Fischedick, Barry Goldstein, Gerrit Hansen, John Huckerby, Arnulf Jaeger-Waldau, Susanne Kadner, Dan Kammen, Volker Krey, Arun Kumar, Tony Lewis, Oswaldo Lucon, Patrick Matschoss, Lourdes Maurice, Catherine Mitchell, William Moomaw, Jose Moreira, Alain Nadai, Lars J. Nilsson, John Nyboer, Atiq Rahman, Jayant Sathaye, Janet L. Sawin, Roberto Schaefer, Tormod Schei, Steffen Schloemer, Kristin Seyboth, Ralph Sims, Aviel Verbruggen, Christoph von Stechow, Kevin Urama, Ryan Wiser, Francis Yamba, and Timm Zwickel, 2011:
Summary for Policy Makers (SPM). In O. Edenhofer, R. Pichs, Y. Sokona, K. Seyboth, P. Matschoss, S. Kadner, T. Zwickel, P. Eickemeier, G. Hansen, S. Schlömer, and C. v. Stechow, editors, *IPCC Special Report on Renewable Energy Sources and Climate Change Mitigation*, Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA

184. William Moomaw, Francis Yamba, Masayuki Kamimoto, Lourdes Quintana Maurice, John Nyboer, Kevin Urama, Tony Weir, Arnulf Jäger-Waldau, Volker Krey, Ralph Sims, Jan Steckel, Michael Sterner, Russell Stratton, Aviel Verbruggen, and Ryan Wiser, 2011
Chapter 1: Overview of Climate Change and Renewable Energy.
In O. Edenhofer, R. Pichs, Y. Sokona, K. Seyboth, P. Matschoss, S. Kadner, T. Zwickel, P. Eickemeier, G. Hansen, S. Schlömer, and C. v. Stechow, editors, IPCC Special Report on Renewable Energy Sources and Climate Change Mitigation. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA
185. Arvizu, D., P. Balaya, L. Cabeza, T. Hollands, A. Jäger-Waldau, M. Kondo, C. Konseibo, V. Meleshko, W. Stein, Y. Tamaura, H. Xu, R. Zilles, 2011:
Chapter 3: Direct Solar Energy, In O. Edenhofer, R. Pichs, Y. Sokona, K. Seyboth, P. Matschoss, S. Kadner, T. Zwickel, P. Eickemeier, G. Hansen, S. Schlömer, and C. v. Stechow, editors, IPCC Special Report on Renewable Energy Sources and Climate Change Mitigation. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA
186. Bruckner, T., H. Chum, A. Jäger-Waldau, Å. Killingtveit, L. Gutiérrez-Negrín, J. Nyboer, W. Musial, A. Verbruggen, R. Wiser , 2011:
Annex III: Cost Table. In IPCC Special Report on Renewable Energy Sources and Climate Change Mitigation, in O. Edenhofer, R. Pichs-Madruga, Y. Sokona, K. Seyboth, P. Matschoss, S. Kadner, T. Zwickel, P. Eickemeier, G. Hansen, S. Schlömer, C. von Stechow (eds)], Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA
187. Materials for Key Enabling Technologies, 2011, N. Alford, J. Amouroux, D. Barbier, G. Bauer, A. Borg, J. P. Condé, A. González-Elipe, H. G. Grimmeiss, A. Jaeger-Waldau, D. J. Jarvis, T. Lippert, S. Maier, H. J. Muessig, E. Olsson, J. Perriere, L. Pfitzner, F. Priolo, H. Richter, A-C. Ritschkoff, P. Siffert, A. Slaoui, C. Vahlas, Edited by H. Richter, European Materials Research Society and European Science Foundation, Materials Science and Engineering Expert Committee (MatSEEC), ISBN 978-2-7466-3703-0

188. A Strategic Research Agenda for Photovoltaic Solar Energy Technology, Edition 2 2011, G. Agostinelli, P.-J. Alet, A. Bett, F. Bonemazzi, P. Boydell, B. Dimmler, D. Dimova-Malinovska, P. Fath, F. Ferrazza, A. Galdikas, S. Glunz, S. Krawitz, P. Malbranche, O. Mayer, P. Mints, N. Pearsall, J. Poortmans, M. Powalla, Ch. Protogeropoulos, P. Rigby, V. Sala, F. Siebke, P. Strauss, H. Tathgar, M. Topic, S. Tselepis, P. Wohlfart, T. Zdanowicz, G. Arrowsmith, A. Jäger-Waldau, F. Kessler, S. Philipps, M. Renkinger, P. Vanbruggenhout, Edited by N. Pearsall and A. Jäger-Waldau, 82 pages; Luxembourg: Office for the Official Publications of the European Union, 2011; ISBN 978-92-79-20172-1
189. Status and Perspectives of Thin Film Photovoltaics, A. Jäger-Waldau in Thin Film Solar Cells: Current Status and Future Trends, Editors Alessio Bosio and Alessandro Romeo, Nova Science Publishers, Hauppauge, New York (2010); ISBN: 978-1-61668-326-9
190. Photovoltaics in China, A. Jäger-Waldau in "China's Electronic Industry", Editors Michael Pecht and Leonard Zuga, City University of Hong-Kong (2009), ISBN 978-0-615-31897-4
191. Recent Status of Thin Film photovoltaic systems and the prospects for Thin Film photovoltaic modules in the European market, A. Jäger-Waldau in "Recent market and technology status of thin silicon solar modules", Editors Yoshihisa Tawada and Hiroaki Okamoto, CMC Publishing Co.,Ltd., Osaka (2009), ISBN 987-4-7813-0134-1
192. Today's actions for tomorrow's PV technology – An Implementation Plan for the Strategic Research Agenda of the European Photovoltaic Technology Platform, G. Agostinelli, A. Bett, M. Camporesi, B. Dimmler, D. Dimova-Malinovska, P. Fath, J.M. Fernandez, F. Ferrazza, S. Krawitz, O. Mayer, P. Mints, P. Mogensen, F. Ongaro, N. Pearsall, J. Poortmans, M. Powalla, Ch. Protogeropoulos, U. Rau, V. Sala, R. Schroop, W. Sinke, P. Strauss, M. Topic, S. Tselepis, P. Wawer, P. Wohlfart, T. Zdanowicz, G. Arrowsmith, D. Faile Montaro, A. Jäger-Waldau, I. Weiss, 72 pages; Luxembourg: Office for the Official Publications of the European Union, 2009; ISBN 978-92-79-12391-7

Chapters and contributions in books published by the JRC

193. Clean energy technologies in coal regions: Opportunities for jobs and growth, R. Armani, K. Bodis, F. Fahl, I. Gonzalez-Aparicio, A. Jäger-Waldau, Z. Kapetaki, N. Lebedeva, I. Pinedo, P. Ruiz Castello, N. Scarlat, N. Taylor, T. Telsnig, A. Uihlein, C. Vázquez Hernaández, P. Zangheri, JRC Science for Policy Reports, 2020, ISBN 978-92-76-12330-9, doi:10.2760/063496
194. Low Carbon Energy Observatory Photovoltaics Technology Market Report 2018, Nigel Taylor, Arnulf Jäger-Waldau, JRC Technical Report, 2019, ISBN 978-92-76-12598-3, doi:10.2760/901540
195. Low Carbon Energy Observatory Photovoltaics Technology Development Report 2018, Nigel Taylor, Arnulf Jäger-Waldau, JRC Technical Report, 2019, ISBN 978-92-76-12541-9, doi: 10.2760/373667
196. China - challenges and prospects from an industrial and innovation powerhouse, Patricia ALVES DIAS, Sara AMOROSO, Alessandro ANNONI, Jose Miguel ASENSIO BERMEJO, Mario BELLIA, Darina BLAGOEVA, Giuditta DE PRATO, Mafini DOSSO, Peter FAKO, Alessandro FIORINI, Aliko GEORGAKAKI, Petros GKOTSIS, Xabier GOENAGA, Hristo HRISTOV, Arnulf JAEGER-WALDAU, Koen JONKERS, Adam LEWIS, Alain MARMIER, Robert MARSCHINSKI, David MARTINEZ TUREGANO, Amalia MUNOZ PINEIRO, Michela NARDO, Nathalie NDACYAYISENGA, Francesco PASIMENI, Nadir PREZIOSI, Michela RANCAN, José Manuel Vincenzo RONDINELLA, RUEDA CANTUCHE, Jorge TANARRO COLODRON, Thomas TELSNIG, Giuseppina TESTA, Christian THIEL, Martino TRAVAGNIN, Alexander TUEBKE, Guy VAN DEN EEDE, Cristina VAZQUEZ HERNANDEZ, Antonio VEZZANI, Franck WASTIN, JRC Science for Policy Report, Publications Office of the European Union, 2019, JRC116516, EUR 29737 EN, ISBN 978-92-76-02998-4
197. Integrating existing African infrastructures into the Water Energy Food Ecosystem nexus approach, Sandor Szabó, Ioannis Kougias, Kathalin Bódis, Magda Moner-Girona, Arnulf Jäger-Waldau A., Proceedings of the Workshop on Water-Energy-Food-Ecosystems (WEFE) and Sustainable Development Goals (SDGs), 25-26 January 2018. Editors: S. Barchiesi, C. Carmona-Moreno, C. Dondeynaz, M. Biedler. Publications Office of the European Union, Luxembourg, 2018, ISBN 978-92-79-99562-0, doi 10.2760/867467
198. Energy, Sandor Szabó, Nigel Taylor, Ioannis Kougias, Jean-Francois Dallemand Magda Moner-Girona, Katalin Bodis, Thomas Huld, Arnulf Jäger-Waldau Nicolae Scarlat, Irene Pinedo Pascua, Marta Poncela Blanco, in Science for the AU-EU

Partnership: building knowledge for sustainable development, Publications Office of the European Union, Luxembourg, 2017, ISBN 978-92-79-69510-0, doi:10.2760/55224, JRC107753

199. Renewable energy deployment in the European Union, Manjola Banja, Fabio Monforti-Ferrario, Katalin Bódis, Arnulf Jäger-Waldau, Nigel Taylor, Jean-François Dallemand, Nicolae Scarlat, JRC Science for Policy Report, Publications Office of the European Union, 2017, JRC105731, EUR 28512 EN, ISBN 978-92-79-66611-7
200. Technical potential of rooftop photovoltaics in EU member states, regions and cities, Bódis, K. , Huld, T., Pinedo Pascua, I., Taylor, N., Jäger-Waldau, A., JRC110353, 27 pages
201. Perspectives on future large-scale manufacturing of PV in Europe, Heinz Alexander Ossenbrink, Arnulf Jäger-Waldau, Nigel George Taylor, Irena Pinedo Pascua, Sándor Szabó, (2015) JRC 94724
202. Cost Maps for Unsubsidised Photovoltaic Electricity, Thomas Huld, Arnulf Jäger-Waldau, Heinz Alexander Ossenbrink, Sándor Szabó, Ewan Dunlop, Nigel George Taylor, (2014) JRC 91937
203. Solar technologies in "Technology Information Sheets - 2013 Technology Map", 2014, BAXTER David, BLOEM Johannes, BOCIN DUMITRIU Andrei, CARLSSON Johan, GIUNTOLI Jacopo, GUTIERREZ MOLES Carmen, JAEGER-WALDAU Arnulf, KOUSOULIDOU Marina, LACAL ARANTEGUI Roberto, LAZAROU Stavros, MAGAGNA Davide, MARELLI Luisa, MORO Alberto, MOSS Raymond, MOYA RIVERA Jose Antonio, PADELLA Monica, PEREZ FORTES Maria Del Mar, SCARLAT Nicolae, SIGFUSSON Bergur, STEEN Marc, VORKAPIC Veljko, ZUBI Ghassan, ZUCKER Andreas, JRC93933, 87 pages
204. "ANNEX I: Research and innovation actions" in "Towards an Integrated Roadmap: Research & Innovation Challenges and Needs of the EU Energy System", 2014, Efstathios PETEVES, Marc STEEN, Evangelos TZIMAS, Roberto LACAL ARANTEGUI, Nigel TAYLOR, Arnulf JAEGER-WALDAU, Davide MAGAGNA, Michael FUETTERER, Bergur SIGFUSSON, Nicolae SCARLAT, Luigi DEBARBERIS, Fabio MONFORTI-FERRARIO, Andreas ZUCKER, Eveline WEIDNER RONNEFELD, Isabella MASCHIO, Paolo BERTOLDI, Laura LONZA, Christian THIEL, Maria Del Mar PEREZ FORTES, Luca AMMIRABILE, Arne ERIKSSON, Johan CARLSSON, Daniela RADU, Cristian SALES AGUT, JRC93060

205. "Part II – Competitive, Efficient, Secure, Sustainable and Flexible Energy System" in "Towards an Integrated Roadmap: Research & Innovation Challenges and Needs of the EU Energy System", 2014, Efsthios PETEVES, Marc STEEN, Evangelos TZIMAS, Roberto LACAL ARANTEGUI, Nigel TAYLOR, Arnulf JAEGER-WALDAU, Davide MAGAGNA, Michael FUETTERER, Bergur SIGFUSSON, Nicolae SCARLAT, Luigi DEBARBERIS, Fabio MONFORTI-FERRARIO, Andreas ZUCKER, Eveline WEIDNER RONNEFELD, Isabella MASCHIO, Paolo BERTOLDI, Laura LONZA, Christian THIEL, Maria Del Mar PEREZ FORTES, Luca AMMIRABILE, Arne ERIKSSON, Johan CARLSSON, Daniela RADU, Cristian SALES AGUT, JRC93060
206. Arnulf Jäger-Waldau, Photovoltaic, ETRI 2014 - Energy Technology Reference Indicator projections for 2010-2050, 2014, edited by Johan Carlson and Marika Velli, Euro Report EUR 26950 EN, Luxembourg: Office for Official Publications of the European Union, 2014; ISBN 978-92-79-44403-6
207. Arnulf Jäger-Waldau, Concentrated Solar Power, ETRI 2014 - Energy Technology Reference Indicator projections for 2010-2050, 2014, edited by Johan Carlson and Marika Velli, Euro Report EUR 26950 EN, Luxembourg: Office for Official Publications of the European Union, 2014; ISBN 978-92-79-44403-6
208. 2013 Technology Map of the European Strategic Energy Technology Plan (SET Plan) - Technology Descriptions, LACAL ARANTEGUI Roberto, JAEGER-WALDAU Arnulf, BOCIN DUMITRIU Andrei, SIGFUSSON Bergur, ZUBI Ghassan, MAGAGNA Davide, CARLSSON Johan, PEREZ FORTES Maria Del Mar, MOSS Raymond, LAZAROU Stavros, BAXTER David, SCARLAT Nicolae, VELLEI Marika, GIUNTOLI Jacopo, MARELLI Luisa, MULLIGAN Declan, MORO Alberto, STEEN Marc, ZUCKER Andreas, MOYA RIVERA Jose Antonio, BLOEM Johannes, GUTIERREZ MOLES Carmen, Euro-Report EUR 26345 EN, 2013, 50 pages; Luxembourg: Office for Official Publications of the European Union, 2013; ISBN 978-92-79-34033-8
209. Arnulf Jäger-Waldau, Fabio Monforti-Ferrario, Manjola Banja, and Roberto Lacal, Renewable Energy Snapshots 2013, Euro-Report EUR 26251 EN, 2013, 50 pages; Luxembourg: Office for Official Publications of the European Union, 2013; ISBN 978-92-79-34033-8

210. M. Szabó, A. Jäger-Waldau, F. Monforti-Ferrario, N. Scarlat, J. Bloem, M. Quicheron, H. Ossenbrink, Technical assessment of the Renewable Energy Action Plans, JRC Reference Report EUR 24926 EN, Luxembourg: Office for the Official Publications of the European Union, 2011; ISBN 978-92-79-21048-8
211. Arnulf Jäger-Waldau, Solar Photovoltaic Electricity Generation, in 2011 Technology Map of the European Strategic Energy technology Plan – Technology Descriptions, Ed. V. Tzimas, R. Moss and P. Ntagia, EUR Report EUR 24979 EN, Luxembourg: Publications Office of the European Union, 2011; ISBN 978-92-79-21630-5
212. Arnulf Jäger-Waldau, Concentrated Solar Power Generation, in 2011 Technology Map of the European Strategic Energy technology Plan – Technology Descriptions, Ed. V. Tzimas, R. Moss and P. Ntagia, EUR Report EUR 24979 EN, Luxembourg: Publications Office of the European Union, 2011; ISBN 978-92-79-21630-5
213. Renewable Energy Snapshots 2011, Arnulf Jäger-Waldau, Marta Szabo, Fabio Monforti-Ferrario, Hans Bloem, Thomas Huld and Roberto Lacal, Euro-Report EUR 24954 EN, 2011, 46 pages; Luxembourg: Office for Official Publications of the European Union, 2011; ISBN 978-92-79-21398-4
214. Renewable Energy Snapshots 2010, Hans Bloem, Marta Szabo, Fabio Monforti-Ferrario and Arnulf Jäger-Waldau, Euro-Report EUR 2440 EN, 2010, 46 pages; Luxembourg: Office for Official Publications of the European Union, 2010; ISBN 978-92-79-16287-9
215. Renewable Energy Snapshots 2009, Niina Kautto and Arnulf Jäger-Waldau, Euro-Report EUR 23819 EN, 2009, 37 pages; Luxembourg: Office for Official Publications of the European Communities, 2009; ISBN 978-92-79-12397-9
216. Renewable Energy Snapshots 2007, Niina Kautto and Arnulf Jäger-Waldau, Euro-Report EUR 22996 EN, 2009, 24 pages; Luxembourg: Office for Official Publications of the European Communities, 2007; ISBN 978-92-79-07092-1
217. Status Report 2004 – Energy End-Use Efficiency and Electricity from Biomass, Wind and Photovoltaics in the European Union, P. Beroldi, E. Dunlop, T. Huld, A. Jäger-Waldau, N. Kautto, A. Machirant, H. Scholz, M. Šúri
Editor: A. Jäger-Waldau; Euro-Report EUR 21297 EN, 2004, 131 pages;
Luxembourg: Office for Official Publications of the European Communities, 2004;
ISBN 92-894-8193-5

218. PVNET European Roadmap for PV R&D – R&D for PV Products Generating Clean Energy, H. de Moor, I. Hagemann, J. Herrero, P. Malbranche, S. Sibentritt, T. Schedel-Niedrig, T. Riedle, J. Poortmans, J. Nijs, J. Szlufcik, A. Jäger-Waldau, F. Karg, E. Özsan, S. Pietruszko, S. Haywood, M. Topic, R. Schropp, J. Rath, J. Löffler, B. Dimmler, M. Powala, J. Springer, Editor: A. Jäger-Waldau; Euro-Report EUR 21087 EN, 2004, 52 pages; Luxembourg: Office for Official Publications of the European Communities, 2004; ISBN 92-894-7349-5

Monographs and Patents

219. PV as an ancillary service provider 2021 Task 14 Solar PV in the 100% RES Power System, M. Kraiczy, S. Siegl, J. Schütt, G. Arnold, S. Wende von Berg, D. Mende, M. Braun, R. Bründlinger, G. Heilscher, S. Chen, M. Cauz, L. Perret, R. Guerrero Lemus, N. Lal, A. Knobloch, D. Premm, C. Bucher, I. MacGill, A. Jäger-Waldau, G. Adinolfi, G. Graditi, Report IEA-PVPS T14-14:2021
220. Snapshot of Global PV Markets 2021 Task 1 Strategic PV Analysis and Outreach, Gaetan Masson, Alice Detollenaere, Izumi Kaizuka, Arnulf Jäger-Waldau, Jose Donoso, (2021) IEA PVPS TCP ISBN: 978-3-907281-17-8
221. Snapshot of Global PV Markets 2020 Task 1 Strategic PV Analysis and Outreach, July Van Wetter, Alice Detollenaere, Gaetan Masson, Izumi Kaizuka, Arnulf Jäger-Waldau, Jose Donoso, (2020) IEA PVPS TCP ISBN: 978-3-906042-94-7
222. Snapshot of Global PV Markets 2019 Task 1 Strategic PV Analysis and Outreach, Gaetan Masson, Izumi Kaizuka, Alice Detollenaere, Johan Lindahl, Arnulf Jäger-Waldau, (2019) IEA PVPS TCP ISBN: 978-3-906042-83-1
223. PV Status Report 2019, Arnulf Jäger-Waldau, 79 pages; Luxembourg: Office for the Official Publications of the European Union, 2019, ISBN 978-92-76-12608-9
224. PV Status Report 2018, Arnulf Jäger-Waldau, 92 pages; Luxembourg: Office for the Official Publications of the European Union, 2018, ISBN 978-92-79-97466-3
225. Mitigating Climate Change: Renewables in the EU –Cutting greenhouse gas emissions through renewables-Volume 2, Maniola Banja, Fabio Monforti-Ferrario, Kathalin Bódis, Albana Kona, Arnulf Jäger-Waldau, Nigel Taylor, Jean-Francois Dallemand, EUR28677 EN, Publications Office of the European Union, Luxembourg, 2017, ISBN 978-92-79-70479-6, doi:10.2760/6520
226. PV Status Report 2017, Arnulf Jäger-Waldau, 86 pages; Luxembourg: Office for the Official Publications of the European Union, 2017, ISBN 978-92-79-74072-5

227. Snapshot of Photovoltaics, March 2016, Arnulf Jäger-Waldau, JRC Scientific and Policy reports, Report JRC 100742
228. PV Status Report 2016, Arnulf Jäger-Waldau, Euro-Report EUR 28159EN, 2016, 86 pages; Luxembourg: Office for the Official Publications of the European Union, 2016; ISBN 978-92-79-63054-5
229. PV Status Report 2014, Arnulf Jäger-Waldau, Euro-Report EUR 26990EN, 2014, 50 pages; Luxembourg: Office for the Official Publications of the European Union, 2014; ISBN 978-92-79-44620-7
230. Cost Maps for Unsubsidised Photovoltaic Electricity, T. Huld, A. Jäger-Waldau, H. Ossenbrink, S. Szabo, E. Dunlop, N. Taylor, 2014, JRC Report 91937
231. PV Status Report 2013, A. Jäger-Waldau
Euro-Report EUR 26118EN, 2013, 55 pages; Luxembourg: Office for the Official Publications of the European Union, 2013; ISBN 978-92-79-32719-3
232. Photovoltaic Electricity Cost Maps, H. Ossenbrink, T. Huld, A. Jäger-Waldau, N. Taylor, JRC-Report JRC83366, 2013, 9 pages
233. PV Status Report 2012: Research, Solar Cell Production and Market Implementation of Photovoltaics
A. Jäger-Waldau
Euro-Report EUR 25749 EN, 2012, 116 pages; Luxembourg: Office for the Official Publications of the European Union, 2012; ISBN 978-92-79-26073-5
234. M. Szabo, A. Jäger-Waldau, F. Monforti-Ferrario, N. Scarlat, H. Bloem, M. Quicheron, T. Huld, H. Ossenbrink, Technical Assessment of the Renewable Energy Action Plans, JRC Reference Report, 2011, EUR 24926 EN, Publications Office of the European Union, ISBN 978-92-21049-5 (online)
235. PV Status Report 2011: Research, Solar Cell Production and Market Implementation of Photovoltaics
A. Jäger-Waldau
Euro-Report EUR 24807 EN, 2011, 124 pages; Luxembourg: Office for the Official Publications of the European Union, 2011; ISBN 978-92-79-20171-4
236. PV Status Report 2010: Research, Solar Cell Production and Market Implementation of Photovoltaics
A. Jäger-Waldau
Euro-Report EUR 24344 EN, 2010, 120 pages; Luxembourg: Office for the Official Publications of the European Union, 2010; ISBN 978-92-79-15675-1

237. PV Status Report 2009: Research, Solar Cell Production and Market Implementation of Photovoltaics
A. Jäger-Waldau
Euro-Report EUR 24027 EN, 2009, 116 pages; Luxembourg: Office for the Official Publications of the European Union, 2009; ISBN 978-92-79-12800-4
238. PV Status Report 2008: Research, Solar Cell Production and Market Implementation of Photovoltaics
A. Jäger-Waldau; Euro-Report EUR 23604 EN, 2008, 134 pages; Luxembourg: Office for Official Publications of the European Communities, 2008; ISBN 978-92-79-10122-9
239. PV Status Report 2007: Research, Solar Cell Production and Market Implementation of Photovoltaics
A. Jäger-Waldau; Euro-Report EUR 23018 EN, 2007, 116 pages; Luxembourg: Office for Official Publications of the European Communities, 2007; ISBN 978-92-79-07446-2
240. PV Status Report 2006: Research, Solar Cell Production and Market Implementation of Photovoltaics
A. Jäger-Waldau; Euro-Report EUR 22346 EN, 2006, 116 pages; Luxembourg: Office for Official Publications of the European Communities, 2006; ISBN 92-79-01256-8
241. PV Status Report 2005: Research, Solar Cell Production and Market Implementation of Photovoltaics
A. Jäger-Waldau; Euro-Report EUR 21836 EN, 2005, 97 pages; Luxembourg: Office for Official Publications of the European Communities, 2005; ISBN 92-79-00174-4
242. PV Status Report 2004: Research, Solar Cell Production and Market Implementation in Japan, USA and the European Union
A. Jäger-Waldau; Euro-Report EUR 21390 EN, 2004, 72 pages; Luxembourg: Office for Official Publications of the European Communities, 2004; ISBN 92-894-8447-0
243. PV Status Report 2003: Research, Solar Cell Production and Market Implementation in Japan, USA and the European Union
A. Jäger-Waldau; Euro-Report EUR 20850 EN, 2003, 72 pages; Luxembourg: Office for Official Publications of the European Communities, 2003; ISBN 92-894-6333-3

244. Status of PV Research 2002, Solar Cell Production and Market Implementation in Japan, USA and the European Union
A. Jäger-Waldau; Euro-Report EUR 20425 EN, 2002, 56 pages
245. Verfahren und Anordnung zum Abscheiden von Material aus einem Vorrat
A. Rumberg, W. Fritsch, S. Wiesner, M. Ch. Lux-Steiner, N. Meyer, A. Jäger-Waldau, H. Jürgensen, Patentanmeldung Nr.: 102 08 911.6 (2002)
Gebrauchsmuster erteilt: 11.12.2003
246. Verfahren zur Herstellung eines Solarmoduls mit integriert serienverschalteten Dünnschicht-Solarzellen und mit dem Verfahren hergestellte Solarmodule, insbesondere unter Verwendung von Konzentratormodulen
W. Harneit, A. Jäger-Waldau, M.Ch. Lux-Steiner
Patentanmeldung Nr.: 100 17 610.0, 30.3.2000; Patent granted 31.10.2002
247. CCSVT-Verfahren im offenen System zur Herstellung von Halbleitern;
(CCSVT = chemical close-spaced vapor transport);
M. Ch. Lux-Steiner, A. Jäger-Waldau, H. Jürgensen; Patentanmeldung Nr.: 198 55 021.9, 20. 11. 98 (Patent granted: 25.5.2000)
248. Herstellung und Charakterisierung der Übergangsmetallchalkogenide MoS₂, MoSe₂, WS₂ und WSe₂ als Dünnschichten für die Photovoltaik
A. Jäger-Waldau
Hartung-Gorre Verlag Konstanz, 1993, ISBN 3-89191-669-8

Editor of Books and Proceedings

249. Strategig Research and Innovaton Agenda for Heating & Cooling, European Technology Platform on Renewable Heating and Cooling, Edited by the Secretariat of the European Technology Platform on Renewable Heating and Cooling and Arnulf Jäger-Waldau, Luxembourg: Office for Official Publications of the European Union, 2013; ISBN 978-92-79-30657-0
250. Proceedings of the 28th European Photovoltaic Energy Conference and Exhibition, Paris, France, 2013, Edited by Peter Helm and Arnulf Jäger-Waldau
251. Proceedings of the 27th European Photovoltaic Energy Conference and Exhibition, Frankfurt, Germany, 2012, Edited by Stefan Nowak, A. Jäger-Waldau and P. Helm
252. Proceedings of the 26th European Photovoltaic Energy Conference and Exhibition, Hamburg, Germany, 2012, Edited by H. A. Ossenbrink; A. Jäger-Waldau; P. Helm
253. Common Vision for the Renewable Heating & Cooling sector in Europe, European Technology Platform on Renewable Heating and Cooling, Edited by the Secretariat of the European Technology Platform on Renewable Heating and Cooling and Arnulf Jäger-Waldau, Luxembourg: Office for Official Publications of the European Union, 2011; ISBN 978-92-79-19056-8
254. Workshop Proceedings of the International Workshop "***Integration of More Renewable Electricity in the CEE Region - Network or Support Problem?***" Edited by Sandor Szabo, Zsuzsanna Pato and Arnulf Jäger-Waldau, 20/21 May 2008, Budapest
255. European Materials Research Society Symposia Proceedings Vol. 215
Advanced Materials and Concepts for Photovoltaics,
Proceedings of the **Symposium D** on Advanced Materials and Concepts for Photovoltaics E-MRS 2007 Spring Conference, Strasbourg, France, May 28 – June 1, 2007
Edited by G. Dennler, Konarka Technologies, Linz, Austria, A. Jäger-Waldau, EU JRC Ispra, Italy, J. Kroon, ECN, The Netherlands, A. Slaoui, Lab. PHASE-CNRS Strasbourg, France
ISSN 0040-6090 ELSEVIER Science BV, Oxford, 2008

256. European Materials Research Society Symposia Proceedings Vol. 202
Materials, Devices and Prospects for Sustainable Energy,
Proceedings of the **Symposium M** on Materials, Devices and Prospects for
Sustainable Energy, 2006 Spring Meeting of the European Materials Research
Society, Nice, France May 29 to June 2, 2006
Edited by Arnulf Jäger-Waldau, Liquan Chen, Mieczyslaw Jurczyk, Robert D.
McConnell and Andreas Züttel
ISSN 0960-1481 ELSEVIER Science BV, Oxford, 2008
257. Workshop Proceedings of the “**3rd International Workshop Thin Films in the
Photovoltaic Industry**” 22/23 November 2007, Editor Arnulf Jäger-Waldau,
European Commission, Euro-Report EUR 23281 EN, 2007, 241 pages, Ispra 2008
258. Workshop Proceedings of the “**2nd International Workshop Thin Films in the
Photovoltaic Industry**” 9/10 November 2006, Editor Arnulf Jäger-Waldau,
European Commission, Euro-Report EUR 22122 EN, 2006, 189 pages, Ispra 2007
259. Workshop Proceedings of the “**1st International Workshop Thin Films in the
Photovoltaic Industry**” 10/11 November 2005, Editor Arnulf Jäger-Waldau,
European Commission, Euro-Report EUR 22122 EN, 2006, 189 pages, Ispra 2006
260. European Materials Research Society Symposia Proceedings Vol. 180
Thin Film Materials for Photovoltaics,
Proceedings of the **Symposium F** on Thin Film Materials for Photovoltaics E-MRS
2005 Spring Conference, Strasbourg, France June 9-13, 2005
Edited by Abdelillah Slaoui, Lab. PHASE-CNRS Strasbourg, France, Jef Poortmans,
IMEC vzw, Leuven, Belgium, Arnulf Jäger-Waldau, EU JRC Ispra, Italy, Christoph
Brabec, Konarka Technologies, Linz, Austria
ISSN 0040-6090 ELSEVIER Science BV, Oxford, 2006
261. Workshop Proceedings “**Life Cycle Analysis and Recycling of Solar Modules**”,
Brussels, 18/19 March 2004, Editor Arnulf Jäger-Waldau, European Commission,
Euro-Report EUR 21101 EN, 2004, 229 pages, Ispra 2004
262. Book of Abstracts for Workshop “**Life Cycle Analysis and Recycling of Solar
Modules**”, Brussels, 18/19 March 2004, Arnulf Jäger-Waldau, European
Commission, DG JRC Special Publication: S.P.I.04.48, Ispra 2004

263. European Materials Research Society Symposia Proceedings Vol. 146
Thin Film Materials for Photovoltaics,
Proceedings of the **Symposium D** on Thin Film Materials for Photovoltaics E-MRS
2003 Spring Conference, Strasbourg, France June 9-13, 2003
Edited by Abdelillah Slaoui, Lab. PHASE-CNRS Strasbourg, France, Jef Poortmans,
IMEC vzw, Leuven, Belgium, Arnulf Jäger-Waldau, EU JRC Ispra, Italy, Christoph
Brabec, Siemens AG Erlangen, Germany
ISSN 0040-6090/02 ELSEVIER Science BV, Oxford, 2004
264. 3rd Workshop Proceedings “**The Path to Ultra-High Efficient Photovoltaics**”
held at JRC Ispra, 2/3 October 2003
Editor: Arnulf Jäger-Waldau, European Commission, DG JRC
Euro-Report EUR 21053 EN, 2004, 189 pages; Luxembourg: Office for Official
Publications of the European Communities, 2004; ISBN 92-894-4998-5
265. Book of Abstracts for EUROCONFERENCE “Photovoltaic Devices: Photovoltaics
and Environment”, Granada, Spain, 7 – 12 Noember 2003, Arnulf Jäger-Waldau,
European Commission, DG JRC Special Publication: S.P.I.03.162, Ispra 2003
266. 2nd Workshop Proceedings “The Path to Ultra-High Efficient Photovoltaics”
held at JRC Ispra, 3/4 October 2002
Editors: Heinz Osssenbrink, Arnulf Jäger-Waldau, European Commission, DG JRC
Special Publication: S.P.I.03.30, Ispra 2003
267. PVNET Workshop Proceedings “RTD Strategy for PV”;
held at JRC Ispra, 30/31 May 2002
Editor: Arnulf Jäger-Waldau, European Commission, DG JRC
Special Publication: S.P.I.02.117, Ispra 2002
268. PVNET Workshop Proceedings “Cross-Fertilisation between the Photovoltaic
Industry & other Technologies”
held at JRC Ispra, 28/29 May 2002
Editor: Arnulf Jäger-Waldau, European Commission, DG JRC
Special Publication: S.P.I.02.91, Ispra 2002

269. European Materials Research Society Symposia Proceedings Vol. 121
Thin Film Materials for Photovoltaics,
Proceedings of the Symposium P on Thin Film Materials for Photovoltaics E-MRS
2001 Spring Conference, Strasbourg, France June 5-8, 2001
Edited by Abdelillah Slaoui, Lab. PHASE-CNRS Strasbourg, France, Jef Poortmans,
IMEC vzw, Leuven, Belgium, Arnulf Jäger-Waldau, EU JRC Ispra, Italy, Christoph
Brabec, Siemens AG Erlangen, Germany
ISSN 0040-6090/02 ELSEVIER Science BV, Oxford, 2002
270. 1st Workshop Proceedings “The Path to Ultra-High Efficient Photovoltaics”
held at JRC Ispra, 15/16 November 2001
Editors: Heinz Osssenbrink, Arnulf Jäger-Waldau, European Commission, DG JRC
Special Publication: S.P.I.02.37, Ispra 2002

Technical Notes

271. PV Quality and Economics, Giovanna Adinolfi, Guido Agostinelli, Karim Asali, Brian Azzopardi, Andreas Bett, Paolo Chiantore, Venizelos Efthymiou, Peter Funtan, Ralph Gottschalg, Elias Garcia Goma, Norbert Henze, Arnulf Jäger-Waldau, Ulrike Jahn, George Makrides, Philippe Malbranche, David Moser, Paula Mints, Guillermo Oviedo Hernandez, Christos Protogeropoulos, Miki Risita, Tony Sample, Vincente Salas, Wim C. Sinke, Marko Topic, Carolin Ulbrich, Mike Van Iseghem, Eszter Voroshazi, Andreas Wade, Vincent Weeda, Harry Wirth, Achim Woyte, European PV Technology and Innovation Platform, 2018, DOI: 10.13140/RG.2.2.23510.50244
272. Results of Peer Review of Studies on Environmental Aspects of CdTe Photovoltaic Systems, Arnulf Jäger-Waldau, European Commission, DG JRC, 2005
273. PVNET Development of a Roadmap for European PV R&D; final report Arnulf Jäger-Waldau, European Commission, DG JRC; Technical Note No. I.03.71
274. Photovoltaic Network: PVNET II, Arnulf Jäger-Waldau, European Commission, DG JRC; Technical Note No. I.03.71
275. PVNET: Development of a Roadmap for European PV R&D; 12 months progress report; Arnulf Jäger-Waldau, European Commission, DG JRC, Technical Note No I.03.06

Verhandlungen der Deutschen Physikalischen Gesellschaft
(Proceedings of the German Physical Society)

276. Characterization of the ZnSe/CuGaSe₂ Interface Using UHV Kelvin Probe Force Microscopy
Thilo Glatzel, Sascha Sadewasser, Marin Rusu, Arnulf Jäger-Waldau und Martha Ch. Lux-Steiner
Verh. Dtsch. Phys. Ges., (VI)36 (2001) HL 10.8
277. Untersuchung atomarer Diffusion in Chalkopyrit-basierten Solarzellenstrukturen mittels ERDA
Sven Lindner, Wolfgang Bohne, Arnulf Jäger-Waldau, Marta Lux-Steiner, Jörg Röhrich und Gero Vogl
Verh. Dtsch. Phys. Ges., (VI)36 (2001) DS 31.34
278. OPTICAL PROPERTIES OF CuGaSe₂ THIN FILMS GROWN BY TWO-SOURCE CVD
Alexander Meeder, David Fuertes-Marron, Daniel Fischer, Thorsten Dylla, Appavu Mariappan Sembian, Arnulf Jäger-Waldau und Martha Ch. Lux-Steiner
Verh. Dtsch. Phys. Ges., (VI)36 (2001) HL 24.85
279. Chemische Gasphasendeposition von ZnSe-Pufferschichten in Cu(In,Ga)/Se,S)₂-Solarzellen
A. Rumberg, Ch. Sommerhalter, A. Jäger-Waldau und M.Ch. Lux-Steiner
Verh. Dtsch. Phys. Ges., (VI)34 (1999) HL 14.12
280. Kelvinsonden-Mikroskopie mit einem Ultrahochvakuum Rasterkraftmikroskop
Ch. Sommerhalter, Th. Glatzel, Th. W. Matthes, A. Jäger-Waldau, M.Ch. Lux-Steiner
Verh. Dtsch. Phys. Ges., (VI)34 (1999) O 35.4
281. Chemische Gasphasendeposition von polykristallinen ZnSe Schichten für die Anwendung in Chalkopyrit Dünnschichtsolarzellen
Ch. Sommerhalter, M. Toplak, M. Birkholz, A. Jäger-Waldau und M.Ch. Lux-Steiner
Verh. Dtsch. Phys. Ges., (VI)33 (1998) HL 20.11
282. Fremddotierung und Defekte in CuGaSe₂ für Solarzellen
T. Weiss, M. Birkholz, M. Kunst, S. Bleyhl, M. Saad, A. Jäger-Waldau und M.Ch. Lux-Steiner
Verh. Dtsch. Phys. Ges., (VI)33 (1998) HL 20.12

283. Chemischer Gasphasentransport von CuGaSe₂ für Dünnschichtsolarzellen
N. Meyer, D. Fischer, A. Jäger-Waldau und M.Ch. Lux-Steiner
Verh. Dtsch. Phys. Ges., (VI)32 (1997) HL 26.7
284. Herstellung und Charakterisierung von CuGaSe₂-Preßlingen für ein neues
Dünnschicht-Abscheideverfahren
T. Weiss, M. Birkholz, Y. Tomm, S. Fiechter, A. Jäger-Waldau, M. Ch. Lux-Steiner
Verh. Dtsch. Phys. Ges., (VI)32 (1997) HL 33.17
285. CuInS₂ Dünnschicht Solarzellen
Y. Ogawa, A. Jäger-Waldau, Y. Hashimoto and K. Ito
Verh. Dtsch. Phys. Ges., (VI)30 (1995) HL 18.14
286. Photosensitive Devices Using WS₂ Thin Films as Bulk Material
A. Jäger-Waldau, M.Ch. Lux-Steiner and E. Bucher
Verh. Dtsch. Phys. Ges., (VI)28 (1993) SC 18.70
287. Preparation of Tantalum Sulphide Thin Films by Sulphurization
A. Jäger-Waldau, M.Ch. Lux-Steiner, G. Jäger-Waldau and E. Bucher
Verh. Dtsch. Phys. Ges., (VI)28 (1993) SF 22.56
288. Cr₂Se₃ Dünnschichten hergestellt durch "sanfte" Selenisierung
A. Jäger-Waldau und E. Bucher
Verh. Dtsch. Phys. Ges., (VI)27 (1992) HL 7.40
289. Herstellung und Charakterisierung von WSe₂ Dünnschichten
A. Jäger-Waldau und E. Bucher
Verh. Dtsch. Phys. Ges., (VI)26 (1991) DS24.2
290. Optische und elektrische Eigenschaften von WSe₂ Dünnschichten
A. Jäger-Waldau und E. Bucher
Verh. Dtsch. Phys. Ges., (VI)26 (1991) DS24.3
291. Herstellung, strukturelle Eigenschaften und chemische Zusammensetzung von MoSe₂
Dünnschichten
A. Jäger-Waldau, M. Lux-Steiner, R. Jäger-Waldau und E. Bucher,
Verh. Dtsch. Phys. Ges., (VI)25 (1990) HL 18.15
292. Herstellung und Charakterisierung von n-ZnO/p-MoSe₂ Solarzellen
A. Jäger-Waldau, M. Lux-Steiner, P. Dolatzoglou und E. Bucher,
Verh. Dtsch. Phys. Ges., (VI)25 (1990) HL 27.4

Abstracts of the Physical Society of Japan etc.:
(Publikationen in Japanese)

293. T. Ogawa, Y. Hashimoto, T. Miyazawa, T. Nakabayashi, A. Jäger-Waldau, K. Takeuchi and K. Ito
In₂O₃/CdS/CuInS₂ thin film solar cells
Proceedings of the 5th workshop on High Efficiency Solar Cells (Nagano, 1995), p 79
294. T. Ohashi, A. Jäger-Waldau, Y. Hashimoto and K. Ito
Preparation of CuIn(Se_{1-x}S_x)₂ alloy thin films and its application to solar cells
(Japanisch)
Proceedings of the 5th workshop on High Efficiency Solar Cells (Nagano, 1995), p 83
295. T. Ohashi, Y. Hashimoto, A. Jäger-Waldau and K. Ito
Fabrication of CuIn(Se_{1-x}S_x)₂ thin film solar cells (Japanisch)
Technical Report of CPM meeting of IEICE, Nagaoka, Sept. 1995
296. Y. Ogawa, Y. Hashimoto, A. Jäger-Waldau, K. Takeuchi and K. Ito
Fabrication of CuInS₂ thin film solar cells
Technical Report of CPM meeting of IEICE, Hamamatsu, May 1995
297. Preparation and Properties of CuIn(Se_{1-x}S_x)₂ thin films
T. Ohashi, T. Miyazawa, A. Jäger-Waldau, Y. Hashimoto and K. Ito
Extended Abstracts (The 42nd Spring Meeting, Tokyo, 1995)
The Japan Society of Applied Physics, p. 1261
298. KCN treatment of CuInS₂ thin films
Y. Ogawa, A. Jäger-Waldau, Y. Hashimoto and K. Ito
Extended Abstracts (The 55th Autumn Meeting, Nagoya, 1994)
The Japan Society of Applied Physics, p. 1115
299. CuIn(Se_{1-x}S_x)₂ thin film preparation and characterization
T. Ohashi, A. Jäger-Waldau, Y. Hashimoto and K. Ito
Proc. of the Fall Meeting of the Shinetsu Branch of IEICE, Nagano, 1994, p.259