

feitknecht

Web

All results People Courses Publications News Units

[Looking for a place?](#)

68 results

Sort by Relevance

### **Microstructure and Open-Circuit Voltage of n-i-p Microcrystalline ...**

<https://infoscience.epfl.ch/record/133891>

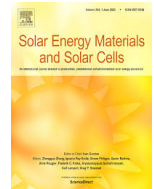
... intrinsic (i) layer for the fabrication of high- Voc n-i-p microcrystalline solar cells. Bailat, J.; Vallat-Sauvain, E.; Feitknecht, L.; Droz, C.; Shah, A.



### **Rough ZnO Layers by LP-CVD Process and their Effect in Improving ...**

<https://infoscience.epfl.ch/record/133968>

2006 Elsevier B.V. All rights reserved. Faÿ, S.; Feitknecht, L.; Schlüchter, R.; Kroll, U.; Vallat-Sauvain, E.; Shah, A.



### **Parallel computation of radio listening rates**

<https://infoscience.epfl.ch/record/99860>

... pipeline with computations Mazzariol, M.; Gennart, B. A.; Hersch, R. D.; Gomez, M.; Balsiger, P.; Pellandini, F.; Leder, M.; Wuethrich, D.; Feitknecht, J.



### **Hole Mobility in $\mu\text{c-Si:H}$**

<https://infoscience.epfl.ch/record/133865>

2001 American Institute of Physics. Juska, G.; Vilinas, M.; Arlauskas, K.; Nekrasas, N.; Wyrsh, N.; Feitknecht, L.



### **Plasma Deposition of Thin Film Silicon: CINETICS Monitored by ...**

<https://infoscience.epfl.ch/record/133882>

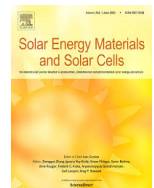
... layer in n-i-p type solar cell devices. © 2002 Elsevier Science B.V. All rights reserved. Feitknecht, L.; Torres, P.; Zürcher, J.; Shah, A.; Meier, J.



### **Microcrystalline NIP Solar Cells Deposited at 10 A/sec by VHF-GD**

<https://infoscience.epfl.ch/record/133864>

... spectral response and interface optimization. Feitknecht, L.; Kluth, O.; Ziegler, Y.; Niquille, X.; Torres, P.; Meier, J.; Wyrsh, N.; Shah, A.



### **Relationship between Raman crystallinity and open-circuit voltage ...**

<https://infoscience.epfl.ch/record/133918>

... bottom interface regions increases. © 2003 Elsevier B.V. All rights reserved. Droz, C.; Vallat-Sauvain, E.; Bailat, J.; Feitknecht, L.; Meier, J.; Shah, A.

## **Microcrystalline silicon deposited at high rate on large areas from ...**

<https://infoscience.epfl.ch/record/134002>

Strahm, B.; Howling, A. A.; Sansonnens, L.; Hollenstein, Ch.; Kroll, U.; Meier, J.; Ellert, Ch.; Feitknecht, L.; Ballif, C.



## **Fast growth of microcrystalline silicon solar cells on LP-CVD ZnO in ...**

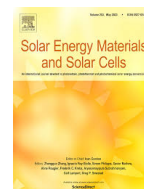
<https://infoscience.epfl.ch/record/124314>

Feitknecht, L.; Freitas, F.; Bucher, C.; Strahm, B.; Howling, A.A.; Sansonnens, L.; Hollenstein, Ch.

## **Microcrystalline Silicon and the Impact on Micromorph Tandem ...**

<https://infoscience.epfl.ch/record/133884>

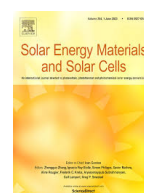
2002 Elsevier Science B.V. All rights reserved. Meier, J.; Dubail, S.; Golay, S.; Kroll, U.; Fay, S.; Vallat-Sauvain, E.; Feitknecht, L.; Dubail, J.; Shah, A.



## **Microcrystalline/Micromorph Silicon Thin-Film Solar Cells Prepared ...**

<https://infoscience.epfl.ch/record/133866>

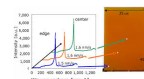
Meier, J.; Vallat-Sauvain, E.; Dubail, S.; Kroll, U.; Dubail, J.; Golay, S.; Feitknecht, L.; Torres, P.; Fay, S.; Fischer, D.; Shah, A.



## **21st EPVSEC Dresden, 4-8 September 2006 FAST GROWTH OF ...**

[https://infoscience.epfl.ch/record/133978/files/preprint\\_444.pdf?version...](https://infoscience.epfl.ch/record/133978/files/preprint_444.pdf?version...)

Sep 8, 2006 ... FAST GROWTH OF MICROCRYSTALLINE SILICON SOLAR CELLS. ON LP-CVD ZNO IN INDUSTRIAL KAI PECVD REACTORS. Luc Feitknecht, Frédéric Freitas, ...



## **Former Members – PV-LAB - EPFL**

[https://www.epfl.ch/labs/pvlab/about\\_us/people/people-former\\_members/](https://www.epfl.ch/labs/pvlab/about_us/people/people-former_members/)

e-mail: [feitknecht@gomicromorph.com](mailto:feitknecht@gomicromorph.com). Friedhelm Finger. e-mail: [f.finger@kfa-juelich.de](mailto:f.finger@kfa-juelich.de). Diego Fischer. e-mail: [diego.fischer@vhf-technologies.com](mailto:diego.fischer@vhf-technologies.com).



## **ELECTRICAL AND MICROSTRUCTURAL CHARACTERISATION ...**

[infoscience.epfl.ch/record/133900/files/preprint\\_365.pdf?version=1](https://infoscience.epfl.ch/record/133900/files/preprint_365.pdf?version=1)

Corinne Droz, Evelyne Vallat-Sauvain, Julien Bailat, Luc Feitknecht, Johannes Meier, Xavier Niquille, Arvind Shah. Institute of Microtechnology, University ...

## **Optical thickness monitoring for the a-Si production line**

[https://infoscience.epfl.ch/record/133933/files/preprint\\_421.pdf](https://infoscience.epfl.ch/record/133933/files/preprint_421.pdf)

Jun 6, 2005 ... web: [www-micromorph.unine.ch](http://www-micromorph.unine.ch), email: [luc.feitknecht@unine.ch](mailto:luc.feitknecht@unine.ch). ABSTRACT: To produce efficient a-Si:H solar modules it is essential to control ...



## **Influence of the substrate's surface morphology and chemical nature ...**

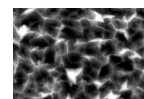
[https://infoscience.epfl.ch/record/133948/files/preprint\\_415.pdf](https://infoscience.epfl.ch/record/133948/files/preprint_415.pdf);

[11] C. Droz, E. Vallat-Sauvain, J. Bailat, L. Feitknecht, J. Meier, and A. Shah, Solar Energy. Materials and Solar Cells 81 (2004) 61.

## **HIGH-EFFICIENCY P-I-N MICROCRYSTALLINE AND ...**

[https://infoscience.epfl.ch/record/133951/files/paper\\_430.pdf](https://infoscience.epfl.ch/record/133951/files/paper_430.pdf)

J. Bailat, D. Dominé, R. Schlüchter, J. Steinhauser, S. Fay, F. Freitas, C. Bücher, L. Feitknecht, X. Niquille, T.

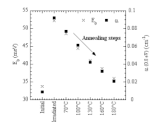


Tscharner, A. Shah, C. Ballif.

## **Preprint ICANS**

[https://infoscience.epfl.ch/record/133967/files/Preprint\\_428.pdf](https://infoscience.epfl.ch/record/133967/files/Preprint_428.pdf)

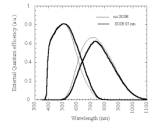
[7] C. Droz, E. Vallat-Sauvain, J. Bailat, L. Feitknecht, J. Meier, A. Shah, Solar Energy Material and Solar. Cells, 81(2004) 61.



## **MICROMORPH TANDEM SOLAR CELLS GROWN AT HIGH RATE ...**

[infoscience.epfl.ch/record/144049/files/paper\\_502.pdf](https://infoscience.epfl.ch/record/144049/files/paper_502.pdf)

[1] L. Feitknecht et al, "Fast growth of microcrystalline silicon solar cells on LP-CVD ZnO in industrial KAI PECVD reactors", Proc of the 21st EU PVSEC, ...



## **Optical developments for silicon thin film solar cells in the substrate ...**

[https://infoscience.epfl.ch/record/134006/files/preprint\\_483.pdf](https://infoscience.epfl.ch/record/134006/files/preprint_483.pdf)

Feitknecht, X. Niquille, T. Tschärner, A. Shah, and C. Ballif, Conference Record of the. 2006 IEEE 4th World Conference on Photovoltaic Energy Conversion ...

## **Light Scattering and Trapping in Different Thin Film Photovoltaic ...**

[https://infoscience.epfl.ch/record/143981/files/paper\\_522.pdf](https://infoscience.epfl.ch/record/143981/files/paper_522.pdf)

[3] S. Faÿ, L. Feitknecht, R. Schlüchter, U. Kroll, E. Vallat-Sauvain, A. Shah, Solar Energy Materials and Solar Cells 90 (2006) 2960-2967.



## **PROGRESS IN AMORPHOUS AND "MICROMORPH" SILICON ...**

[infoscience.epfl.ch/record/133872/files/paper\\_355.pdf](https://infoscience.epfl.ch/record/133872/files/paper_355.pdf)

Feitknecht, J. Dubail, A. Shah, to be publ. in Solar Energy Mat. & Solar Cells. [6] A.V. Shah, J ...

## **Parallel Computation of Radio Listening Rates**

<https://infoscience.epfl.ch/record/99860/files/pcorlr.pdf?version=1>

May 25, 1994 ... Juerg Feitknecht. Liechti AG, Kriegstetten, Switzerland. ABSTRACT. Obtaining the listening rates of radio stations in function of time is an ...

## **HIGH-EFFICIENCY AMORPHOUS AND "MICROMORPH" SILICON ...**

[https://infoscience.epfl.ch/record/133907/files/preprint\\_364.pdf](https://infoscience.epfl.ch/record/133907/files/preprint_364.pdf)

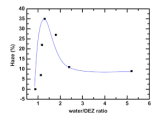
Apr 21, 2003 ... Feitknecht, J. Dubail, A. Shah,. "Microcrystalline Silicon and the Impact on. Micromorph Tandem Solar Cells", Solar Energy. Mat. & ...



## **Control of CVD-deposited ZnO films properties through water/DEZ ...**

[https://infoscience.epfl.ch/record/182872/files/paper\\_682.pdf](https://infoscience.epfl.ch/record/182872/files/paper_682.pdf)

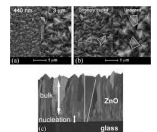
Feitknecht, X. Niquille, T. Tschärner, A. Shah C. Ballif, High-efficiency p-i-n microcrystalline and micromorph thin film silicon solar cells deposited on.



## **New Generation Transparent LPCVD ZnO Electrodes for Enhanced ...**

[infoscience.epfl.ch/record/182870/files/paper\\_680.pdf](https://infoscience.epfl.ch/record/182870/files/paper_680.pdf)

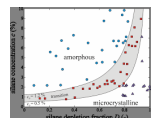
[5] S. Faÿ, L. Feitknecht, R. Schlüchter, U. Kroll, E. Vallat-Sauvain, and. A. Shah, "Rough ZnO layers by LP-CVD process and their effect in.



## **Plasma modelling & reactor design**

<https://infoscience.epfl.ch/record/148198/files/BERLINaah.pdf>

Feitknecht et al (2002) ... thick amorphous incubation layer ... deteriorates solar cell performance.  $\mu\text{-Si:H}$ . Almost a minute to reach the plasma.



## ZnO Transparent conductive oxide for thin film silicon solar cells

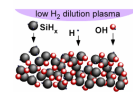
[https://infoscience.epfl.ch/record/143966/files/paper\\_519.pdf](https://infoscience.epfl.ch/record/143966/files/paper_519.pdf)

Feitknecht, X. Niquille, R. Tscharnner, A. Shah, and C. Ballif, Hawaii, 2006. 12.

## Mixed phase silicon oxide layers for thin-film silicon solar cells Peter ...

[https://infoscience.epfl.ch/record/167773/files/paper\\_610.PDF](https://infoscience.epfl.ch/record/167773/files/paper_610.PDF)

Feitknecht, J. Meier and A. Shah, Sol Energy Mat. Sol C 81 (1), 61–71 (2004). 9.



## Silane depletion dependent ion bombardment and material quality ...

[infoscience.epfl.ch/record/144011/files/preprint\\_544.pdf](https://infoscience.epfl.ch/record/144011/files/preprint_544.pdf)

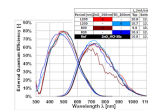
[9] S. Fay, L. Feitknecht, R. Schluchter et al., Sol. Energy Mat. & Sol. Cells 90, 2960 (2006). [10] Ch. Hollenstein, Plasma Phys. Control. Fusion.



## INSTRUCTIONS FOR PREPARATION OF PAPERS

[https://infoscience.epfl.ch/record/200103/files/paper\\_740.pdf](https://infoscience.epfl.ch/record/200103/files/paper_740.pdf)

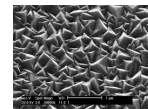
[5] S. Fay, L. Feitknecht, R. Schluchter, U. Kroll, E. Vallat-Sauvain, and A. Shah, "Rough ZnO layers by LP-CVD process and their effect in improving.



## Amorphous solar cells, the micromorph concept and the role of VHF ...

[https://documents.epfl.ch/groups/i/in/infoscience.../IMT.../paper\\_406.pdf](https://documents.epfl.ch/groups/i/in/infoscience.../IMT.../paper_406.pdf)

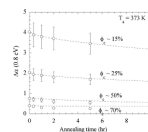
Sauvain, E., Feitknecht, L., Dubail, J., Shah, A., 2002a. Microcrystalline silicon and the impact on micromorph tandem solar cells. Solar Energy Mat.



## Kinetics of creation and of thermal annealing of light-induced defects ...

[https://infoscience.epfl.ch/record/148391/files/paper\\_556.pdf?version=2](https://infoscience.epfl.ch/record/148391/files/paper_556.pdf?version=2)

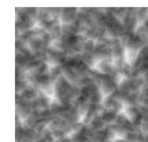
Feitknecht, J. Meier, and A. Shah,. Sol. Energy Mater. Sol. Cells 81, 61 2004. 26J.



## Efficient light management scheme for thin film silicon solar cells via ...

[https://infoscience.epfl.ch/record/148961/files/paper\\_563.pdf](https://infoscience.epfl.ch/record/148961/files/paper_563.pdf)

May 24, 2010 ... Feitknecht, X. Niquille, T. Tscharnner, A. Shah, and C. Ballif,. Proceedings of the Fourth World Conference on Photovoltaic Energy Con-.



## Input silane concentration effect on the a-Si:H to μc-Si:H transition ...

[https://infoscience.epfl.ch/record/143951/files/preprint\\_508.pdf?version...](https://infoscience.epfl.ch/record/143951/files/preprint_508.pdf?version...)

Nov 6, 2009 ... Feitknecht and c. Ballif, Solar. Energy Mater. Solar. Cells 91. (2007) 495. [7] T. Matsui, A. Matsuda ...

## Experimental Evaluation of the Light Trapping Potential of Optical ...

[https://infoscience.epfl.ch/record/176491/files/paper\\_638.pdf](https://infoscience.epfl.ch/record/176491/files/paper_638.pdf)

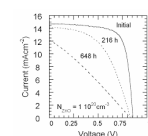
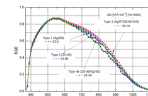
Bailat J, Dominé D, Schluchter R, Steinhauser J, Fay S, Freitas F, Bücher C, Feitknecht L, Niquille X,. Tscharnner T, Shah A, Ballif C. High-efficiency p-i-n ...



## New progress in the fabrication of namp#x02013;iamp#x02013;p ...

[infoscience.epfl.ch/record/185898/files/paper\\_692.pdf](https://infoscience.epfl.ch/record/185898/files/paper_692.pdf)

Feitknecht, X. Niquille, T. Tscharnner, A. Shah, C. Ballif, High-efficiency p–i–n microcrystalline and micromorph solar cells deposited ...



## **FAST AND SENSITIVE DEFECT CHARACTERIZATION AND ...**

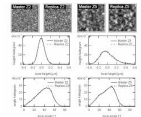
[https://infoscience.epfl.ch/record/133911/files/preprint\\_368.pdf](https://infoscience.epfl.ch/record/133911/files/preprint_368.pdf)

[10] A. Poruba, M. Vanecek, J. Rosa, L. Feitknecht, N. Wyrsh, J. Meier, A. Shah, T. Repmann, B. Rech, Proc. 17th European Photovoltaic Solar Energy.

## **A New Approach to Light Scattering from Nanotextured Interfaces for ...**

[infoscience.epfl.ch/record/149905/files/paper\\_570.pdf](https://infoscience.epfl.ch/record/149905/files/paper_570.pdf)

Feitknecht, X. Niquille, T. Tscharnner, A. Shah, and C. Ballif, Proc. 4 th. Conf. Photovoltaic. Energy Conversion, 1533 (2006). 5. S. Benagli, D. Borello, ...



## **Publications PV-LAB – PV-LAB - EPFL**

<https://www.epfl.ch/labs/pvlab/page-40427-en.../page-48472-en-html/>

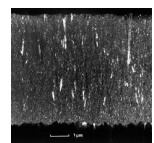
Investigations on Fill-Factor drop of microcrystalline silicon p-i-n solar cells deposited onto highly surface-textured ZnO substrates. L. Feitknecht; J.



## **Вбдгв езжй в! "£# \$% &' ) (! \$ \$0£ £!1 3245жй6879 @ A©B! C D£DA ...**

[https://infoscience.epfl.ch/record/133836/files/paper\\_316.pdf](https://infoscience.epfl.ch/record/133836/files/paper_316.pdf)

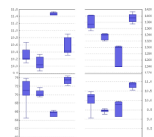
Feitknecht, P. Torres, S. Fay, D. Fischer and A. Shah, to be publ. in Solar Energy Mat. and Solar Cells.



## **High-performance tandem silicon solar cells on F:SnO2**

[https://infoscience.epfl.ch/record/189255/files/paper\\_702.pdf](https://infoscience.epfl.ch/record/189255/files/paper_702.pdf);

May 27, 2013 ... Feitknecht, X. Niquille, T. Tschamer, A. Shah, C. Ballif, Proceedings of the IEEE · World Conference on PV Energy Conversion, Waikoloa, HI, ...



## **Nanotextured thin film silicon solar cells: optical model**

[https://infoscience.epfl.ch/record/133914/files/preprint\\_367.pdf](https://infoscience.epfl.ch/record/133914/files/preprint_367.pdf)

Feitknecht, N. Wyrsh, J. Meier and A. Shah, Proc. 16th European Photovoltaic Solar Energy Conference, James&James Sci. Publ. (2000), p. 434.



## **Optical emission spectroscopy to diagnose powder formation in ...**

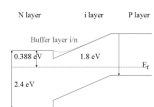
[https://infoscience.epfl.ch/record/143957/files/paper\\_510.pdf](https://infoscience.epfl.ch/record/143957/files/paper_510.pdf);

[2] Strahm, B., Howling, A.A., Sansonnens, L., Hollenstein, Ch., Kroll, U., Meier, J., Ellert, Ch., Feitknecht, L. and Ballif,.

## **Optimization of amorphous silicon thin film solar cells for flexible ...**

[https://infoscience.epfl.ch/record/134013/files/Soderstrom\\_jap\\_2008.pdf?...](https://infoscience.epfl.ch/record/134013/files/Soderstrom_jap_2008.pdf?...)

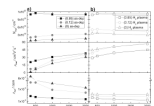
Feitknecht, X. Niquille, T. Tscharnner, A. Shah, and C. Ballif, Proceedings of the Fourth World Conference on Photovoltaic Energy Con-.



## **Relaxing the Conductivity/Transparency TradeOff in MOCVD ZnO ...**

[infoscience.epfl.ch/record/195558/files/paper\\_755.pdf](https://infoscience.epfl.ch/record/195558/files/paper_755.pdf)

May 2, 2013 ... Electron Devices 1983, 30, 764 . [ 33 ] S. Faÿ , L. Feitknecht , R. Schluchter , U. Kroll , E. Vallat-Sauvain , A ...



## **RF bias to suppress post-oxidation of µc-Si:H films deposited by ...**

<https://infoscience.epfl.ch/.../RF%20bias%20to%20suppress%20post-oxidation%20of%20µc-...>

Feitknecht, J. Dubail, A. Shah, Sol. Energy Mater. Sol. Cells 74 (2002) 457. [3] A. Terakawa, Sol ...

## **INVESTIGATIONS OF RADIO-FREQUENCY, CAPACITIVELY ...**

[https://infoscience.epfl.ch/record/109766/files/EPFL\\_TH3895.pdf](https://infoscience.epfl.ch/record/109766/files/EPFL_TH3895.pdf)

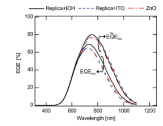


reported by Feitknecht and van den Donker were measured in small laboratory reactors, therefore it might be expected that in large area production reactor ...

### **Micromorph thin-film silicon solar cells with transparent high-mobility ...**

[https://infoscience.epfl.ch/record/167008/files/paper\\_609.pdf](https://infoscience.epfl.ch/record/167008/files/paper_609.pdf)

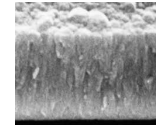
Jun 1, 2011 ... Feitknecht, X. Niquille, T. Tschärner, A. Shah, and C. Ballif,. Proceedings of the 4th World Conference on Photovoltaic Energy Conver-



### **Hydrogenated microcrystalline silicon for photovoltaic applications N ...**

[https://infoscience.epfl.ch/record/133834/files/preprint\\_294.pdf](https://infoscience.epfl.ch/record/133834/files/preprint_294.pdf)

[8] J. Meier, S. Dubail, L. Feitknecht, Y. Ziegler, P. Torres, C. Hof, U. Kroll, D. Fischer, J. Cuperus, H. Keppner, A. Shah, Proc. of the 2.



### **MICROCRYSTALLINE SILICON FOR SOLAR CELLS, DEPOSITED ...**

[https://infoscience.epfl.ch/record/133903/files/preprint\\_366.pdf?version...](https://infoscience.epfl.ch/record/133903/files/preprint_366.pdf?version...)

Feitknecht, J. Meier, X. Niquille, A. Shah, 3rd WCPEC, Osaka,. 50-A3-01 (2003).



### **La Bibliothèque Centrale de l'EPFL remue ses méninges et ses ...**

[https://infoscience.epfl.ch/record/138631/files/travail\\_final\\_cherbuin.pdf](https://infoscience.epfl.ch/record/138631/files/travail_final_cherbuin.pdf)

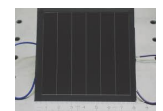
Regula FEITKNECHT. Service de Coordination de la Bibliothèque Cantonale et Universitaire de Fribourg. Responsable scientifique du module « Information et ...



### **LASER SCRIBING OF pin/pin "MICROMORPH" (a-Si:H/μc-Si:H ...**

[https://infoscience.epfl.ch/record/133840/files/paper\\_319.pdf](https://infoscience.epfl.ch/record/133840/files/paper_319.pdf)

Feitknecht, P. Torres, S. Fay, D. Fischer, A. Shah, to be publ. in Solar Energy PVSEC II. (1999) ...



### **MELETIS REDIVIVUS**

[https://infoscience.epfl.ch/record/138631/files/travail\\_final\\_schmitt.pdf](https://infoscience.epfl.ch/record/138631/files/travail_final_schmitt.pdf)

Regula Feitknecht, Service de coordination - Bibliothèque cantonale et universitaire - Fribourg responsable scientifique du module " information et ...

### **DPS – Dynamic Parallel Schedules**

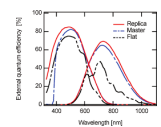
<https://lspwww.epfl.ch/publications/gigaserver/dpsdps.pdf>

F. Pellandini, M. Leder, D. Wüthrich, J. Feitknecht, Parallel. Computation of Radio Listening Rates, Proc. Conf. Parallel and.

### **Nanoimprint Lithography for High-Efficiency Thin-Film Silicon Solar ...**

[https://infoscience.epfl.ch/record/163046/files/paper\\_591.pdf](https://infoscience.epfl.ch/record/163046/files/paper_591.pdf)

Dec 17, 2010 ... Freitas, F.; Bucher, C.; Feitknecht, L.; Niquille, X.; Tschärner, T.; Shah, A.; Ballif, C. Proceedings of the 4th World Conference on ...



### **Microcrystalline silicon solar cells: effect of substrate temperature on ...**

[https://infoscience.epfl.ch/record/143852/files/paper\\_540.pdf](https://infoscience.epfl.ch/record/143852/files/paper_540.pdf)

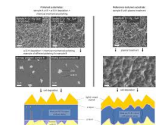
S, Freitas F, Bücher C, Feitknecht L, Niquille X., Tschärner T, Shah A, Ballif C. High-efficiency p-i-n microcrystalline and micromorph thin film silicon.



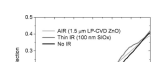
### **Experimental study of flat light-scattering substrates in thin-film ...**

[https://infoscience.epfl.ch/record/176131/files/paper\\_635.pdf](https://infoscience.epfl.ch/record/176131/files/paper_635.pdf)

Feb 23, 2012 ... L. Feitknecht, X. Niquille, R. Tschärner, A. Shah, and C. Ballif, High-efficiency p-i-n microcrystalline and micromorph thin film solar ...



### **Flexible micromorph tandem a-Si/ c-Si solar cells**





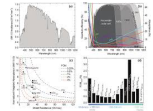
[https://infoscience.epfl.ch/record/143097/files/paper\\_516.pdf](https://infoscience.epfl.ch/record/143097/files/paper_516.pdf)

Jan 7, 2010 ... Golay, U. Kroll, S. Fay, E. Vallat-Sauvain, L. Feitknecht, J. Dubail, and A. Shah, Sol ...

### **Transparent Electrodes for Efficient Optoelectronics**

[https://infoscience.epfl.ch/.../Morales-Masis\\_et\\_al-2017-Advanced\\_Electronic\\_Materials.pdf](https://infoscience.epfl.ch/.../Morales-Masis_et_al-2017-Advanced_Electronic_Materials.pdf)

Jan 18, 2017 ... Feitknecht, R. Schluchter, U. Kroll, E. Vallat-Sauvain, A. Shah, Sol. Energy Mater. Sol. Cells 2006, 90, ...



### **Conferences – SPC - EPFL**

[https://www.epfl.ch/research/.../swiss.../plasma\\_applications\\_conferences/](https://www.epfl.ch/research/.../swiss.../plasma_applications_conferences/)

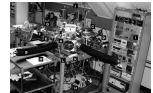
Fast growth of microcrystalline silicon solar cells on LP-CVD ZnO in industrial KAI PECVD reactors. L. Feitknecht; F. Freitas; C. Bucher; B. Strahm; ...



### **Optical Layers for Thin-film Silicon Solar Cells**

[infoscience.epfl.ch/record/168644/files/EPFL\\_TH5190.pdf](https://infoscience.epfl.ch/record/168644/files/EPFL_TH5190.pdf)

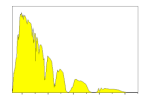
63. Bailat J., Vallat-Sauvain E., Feitknecht L. et al. Influence of substrate on the microstructure of microcrystalline silicon layers and cells. J Non-Cryst ...



### **Novel Micromorph Solar Cell Structures for Efficient Light Trapping ...**

[https://infoscience.epfl.ch/record/183636/files/EPFL\\_TH5603.pdf](https://infoscience.epfl.ch/record/183636/files/EPFL_TH5603.pdf)

L Feitknecht, X Niquille, R Tschärner, A Shah & C Ballif. High-Efficiency P-I-N. Microcrystalline and Micromorph Thin Film Silicon Solar Cells Deposited on.



### **Thesis – PV-LAB - EPFL**

<https://www.epfl.ch/labs/pvlab/page-40427-en.../page-48478-en-html/>

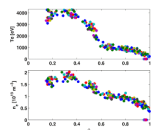
Ecole polytechnique Fédérale de Lausanne (EPFL), Thèse n0 2303, 2000. Lukas Feitknecht "Microcrystalline Silicon Solar Cells in the n-i-p Configuration: ...



### **ANNUAL REPORT**

<https://www.epfl.ch/research/domains/swiss-plasma-center/.../ar2005.pdf>

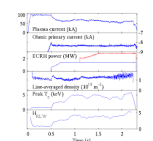
Sansonnens L., Hollenstein Ch., Feitknecht L., Shah A., Ballif Ch., Kroll. U., "High-rate large-area silicon deposition by VHF plasma", Technical Symposium.



### **ANNUAL REPORT**

<https://www.epfl.ch/research/domains/swiss-plasma-center/.../ar2007.pdf>

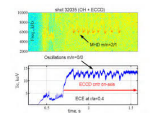
U. Kroll, L. Feitknecht, C. Ballif, Microcrystalline silicon deposited at high rate on large areas from pure silane with efficient gas utilization, ...



### **ANNUAL REPORT**

<https://www.epfl.ch/research/domains/swiss-plasma-center/.../ar2006.pdf>

L. Feitknecht, F. Freitas, C. Bucher et al., B. Strahm, A.A. Howling, L. Sansonnens, Ch. Hollenstein, Fast growth of microcrystalline silicon solar cells.



[Login](#)