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ISI zitierte Publikationen

Programm EE

1. **EE**
Henke, H; Kuster, A; Lochner, U; Sonntag, R
The phase transition to the low-temperature form of (D5O2)[SbCl6] and determination of the deuterium positions

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2. **AdAn**
Bär, M.; Weinhardt, L.; Marsen, B.; Cole, B.; Gaillard, N.; Miller, E.L.; Heske, C.
Mo incorporation in WO₃ thin film photoanodes: Tailoring the electronic structure for photoelectrochemical hydrogen production,

*Applied Physics Letters*96
3. **AdAn**
Hafemeister, M. ; Siebentritt, S. ; Albert, J. ; Lux-Steiner, M.Ch. ; Sadewasser, S.
Large Neutral Barrier at Grain Boundaries in Chalcopyrite Thin Films

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4. **AdAn**
Mönig, H.; Smith, Y. ; Caballero, R. ; Kaufmann, C.A. ; Lauermann, I. ; Lux-Steiner, M.Ch. ; Sadewasser, S.
Direct Evidence for a Reduced Density of Deep Level Defects at Grain Boundaries of Cu(In,Ga)Se₂ Thin Films

*Physical Review Letters*105
5. **AdAn**
Behrends, J.; Schnegg, A.; Lips, K.; Thomsen, E.A.; Pandey, A.K.; Samuel, I.D.W.; Keeble, D.J.
Bipolaron formation in organic solar cells observed by pulsed electrically detected magnetic resonance

*Physical Review Letters*105
6. **AdAn**
Gaillard, N.; Cole, B.; Kaneshiro, J.; Miller, E.L.; Marsen, B.; Weinhardt, L.; Bär, M.; Heske, C.; Ahn, K.-S.; Yan, Y.; Al-Jassim M.M.
Improved current collection in WO₃:Mo/WO₃ bilayer photoelectrodes

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7. **AdAn**
Weinhardt, L.; Bär, M.; Pookpanratana, S.; Morkel, M.; Niesen, T.P.; Karg, F.; Ramanathan, K.; Contreras, M.A.; Noufi, R.; Umbach, E.; Heske C.
Sulfur gradient-driven Se diffusion at the CdS/CuIn(S,Se)₂ solar cell interface

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8. **AdAn**
Mesa, F. ; Gordillo, G. ; Dittrich, Th. ; Ellmer, K. ; Baier, R. ; Sadewasser, S.
Transient surface photovoltage of p-type Cu_3BiS_3

*Applied Physics Letters*96
9. **AdAn**
Pookpanratana, S.; France, R.; Blum, M.; Bell, A.; Bär, M.; Weinhardt, L.; Zhang, Y.; Hofmann, T.; Fuchs, O.; Yang, W.; Denlinger, J.D., Mulcahy, S.; Moustakas, T.D.; Heske C.
Chemical structure of vanadium-based contact formation on n-AIN

*Journal of Applied Physics*108
10. **AdAn**
Bär, M.; Wimmer, M.; Wilks, R.G.; Roczen, M.; Gerlach, D.; Ruske, F.; Lips, K.; Rech, B.; Weinhardt, L.; Blum, M.; Pookpanratana, S.; Krause, S.; Zhang, Y.; Heske, C.; Yang, W.; Denlinger J.D.
Impact of solid-phase crystallization of amorphous silicon on the chemical structure of the buried Si/ZnO thin film solar cell interface

*Applied Physics Letters*97
11. **AdAn**
Rodriguez-Alvarez, H.; Mainz, R.; Marsen, B.; Abou-Ras, D.; Schock, H.W.
Recrystallization of Cu-In-S thin films studied in situ by energy-dispersive X-ray diffraction

*Journal of Applied Crystallography*43
12. **AdAn**
Pookpanratana, S.; Liu, X.; Paudel, N.R.; Weinhardt, L.; Bär, M.; Zhang, Y.; Ranasinghe, A.; Khan, F.; Blum, M.; Yang, W.; Compaan, A.D.; Heske C.
Effects of postdeposition treatments on surfaces of CdTe/CdS solar cells

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13. **AdAn**
Streeck, C. ; Beckhoff, B. ; Reinhardt, F. ; Kolbe, M. ; Kanngießer, B. ; Kaufmann, C.A. ; Schock, H.W.
Elemental depth profiling of $\text{Cu}(\text{In,Ga})\text{Se}_2$ thin films by reference-free grazing incidence X-ray fluorescence analysis

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15. **AdAn**
Bär, M.; Barreau, N.; Couzinié-Devy, F.; Pookpanratana, S.; Klaer, J.; Blum, M.; Zhang, Y.; Yang, W.; Denlinger, J.D.; Schock, H.-W.; Weinhardt, L.; Kessler, J.; Heske C.
Nondestructive depth-resolved spectroscopic investigation of the heavily intermixed In₂S₃/Cu(In,Ga)Se₂ interface
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16. **AdAn**
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Density-Dependent Reorientation and Rehybridization of Chemisorbed Conjugated Molecules for Controlling Interface Electronic Structure
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17. **AdAn**
Pookpanratana, S.; Repins, I; Bar, M; Weinhardt, L; Zhang, Y; Felix, R; Blum, M; Yang, W; Heske, C
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Chemical Composition and Electronic Properties of CuInS₂/Zn(S,O) Interfaces
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Hydrogen distribution in the vicinity of dangling bonds in hydrogenated amorphous silicon (a-Si:H)
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22. **AdAn**
Tran, I.C.; Félix, R.; Bär, M.; Weinhardt, L.; Zhang, Y.; Heske C.
Oxidation of titanium-decorated single-walled carbon nanotubes and subsequent reduction by lithium
*Journal of the American Chemical Society*132
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Martinez Moreno E.;Kunst M.;
Study of Excess Charge Carrier Lifetime in $\text{Si/a-SiN}_x\text{:H}$ Heterojunctions under the Influence of an External Field
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24. **Fuel**
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On the behaviour of Au plasmonic nanoparticles during hydrogen evolution at p-Si
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25. **Fuel**
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Lewerenz, H.J.; Heine, C.; Skorupska, K.; Szabo, N.; Hannappel, T.; Vo-Dinh, T.; Campbell, S.A.; Klemm, H.W.; Munoz, A.G.
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Ozimova, A.E. ; Bruevich, V.V.; Dittrich, T.; Paraschuk, D.Yu.
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*Macromolecular Symposia*296
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Aureau, D.; Rappich, J.; Moraillon, A.; Allongue, P.; Ozanam, F.; Chazalviel, J.-N.
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47. **TFD**
Zijlmans, RAB; Welzel, S; Gabriel, O; Yagci, G; van Helden, JH; Ropcke, J; Schram, DC; Engeln, R
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Döscher, H.; Kunert, B.; Beyer, A.; Supplie, O.; Volz, K., Stolz, W.; Hannappel, T.
In situ antiphase domain quantification applied on heteroepitaxial GaP growth on Si(100)
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49. **TFD**
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68. **TFD**
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69. **TFD**
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70. **TFD**
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74. **TFD**
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81. **TFD**
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84. **TFD**

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88. **Others**

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Interplay of amorphous silicon disorder and hydrogen content with interface defects in amorphous/crystalline silicon heterojunctions

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