

H. Föll: List of Publications - Continuation

Sixth Installment: Running Number 301 - 363

Below is the last installment of my publication list:

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Second installment (No. 61 -120)
Third installment (No. 121 - 180)
Fourth installment (No. 181 - 240)
Fifth installment (No. 241 - 300)
Sixth installment (No. 301- 363)

301. J. de Boor, D.S. Kim, X. Ao, D. Hagen, A. Cojocaru, H. Föll, and V. Schmidt, "Temperature and structure size dependence of the thermal conductivity of porous silicon", European Physical Society 96, doi: 10.1209/0295-5075/96/16001 (2011). (59 citations)
302. J.-M. Wagner, J. Carstensen, A. Berhane, A. Schütt, and H. Föll, "Series resistance analysis with the shaded luminescence technique", in Proc. 26th European Photovoltaic Solar Energy Conference, 2BV.2.51, Hamburg (2011). (5 citations)
303. A. Schütt, J. Carstensen, G. Popkirov, and H. Föll, "Mechanical stress induced effects for the characterization of large area solar cells", in Proc. 26th European Photovoltaic Solar Energy Conference, 2DO.3.3, Hamburg (2011).
304. A. Schütt, J. Carstensen, H. Föll, S. Keipert-Colberg, and D. Borchert, "Evaluation of passivation schemes of large area Si solar cells: separating serial resistance from other losses by the CELLO technique", in Proc. 26th European Photovoltaic Solar Energy Conference, 2BV.2.39, Hamburg (2011). (1 citations)
305. E. Garralaga Rojas, J. Hensen, J. Carstensen, H. Föll, and R. Brendel, "Mesoporous germanium multilayers", Phys. Stat. Sol. (c) 8(6), 1731 (2011). (7 citations)
306. E. Garralaga Rojas, J. Hensen, J. Carstensen, H. Föll, and R. Brendel, "Porous germanium layers by electrochemical etching for layer transfer processes of high-efficiency multi-junction solar cells", ECS Trans. 33(17), 95 (2011). (24 citations)
307. E. Garralaga Rojas, J. Hensen, J. Carstensen, H. Föll, and R. Brendel, "Lift-off of porous germanium layers", J. Electrochem. Soc. 158(6), D408 (2011). (9 citations)
308. M. Kasemann, L.M. Reindl, B. Michl, W. Warta, A. Schütt, and J. Carstensen, "All-contactless measurement of series resistance distributions on solar cells with photoluminescence imaging", in ISTFA 2011, Proceedings from the 37th International Symposium for Testing and Failure Analysis, 13, San Jose (2011).
309. A. Cojocaru, J. Carstensen, J. Boor, V. Schmidt, and H. Föll, "Investigation of mesoporous structures for thermoelectric applications", Proc. ICNBME 1, 21 (2011).
310. M.-D. Gerngross, M. Leisner, J. Carstensen, and H. Föll, "Porous InP as piezoelectric matrix material in 1-3 magnetoelectric composite sensors", Proc. ICNBME 1, 16 (2011).
311. M. Leisner, J. Carstensen, and H. Föll, "Monte-Carlo-Simulation of crystallographical pore growth in III-V-semiconductors", Proc. ICNBME 1, 13 (2011).
312. C. Bohley, J.-M. Wagner, C. Pfau, P.-T. Miclea, and S. Schweizer, "Raman spectra of barium halides in orthorhombic and hexagonal symmetry: An ab initio study", Phys. Rev. B 83, 024107 (2011). (17 citations)
313. H. Straube, O. Breitenstein, and J.-M. Wagner, "Thermal wave propagation in thin films on substrate: the time-harmonic thermal transfer function", Phys. Status Solidi (b) 248(9), 2128 (2011).
314. M. Kasemann, L.M. Reindl, B. Michl, W. Warta, A. Schütt, and J. Carstensen, "Contactless qualitative series resistance imaging on solar cells", IEEE Journal of Photovoltaics 2, 181 (2012).
315. E. Ossei-Wusu, J. Carstensen, and H. Föll, "Analysis of p-Si macropore etching using FFT- impedance spectroscopy", Nanoscale Res. Lett. 7, 320 (2012). (4 citations)
316. M.-D. Gerngross, J. Carstensen, and H. Föll, "Electrochemical and Galvanic Fabrication of a Magnetoelectric Composite Sensor Based on InP", Nanoscale Res. Lett. 7, 379 (2012). (4 citations)
317. M.-D. Gerngross, J. Carstensen, and H. Föll, "Single-Crystalline Membranes in Indium Phosphide: Fabrication Process and Characterization Using FFT Impedance Analysis", J. Electrochem. Soc. 159(11), H857 (2012). (12 citations)
318. M.-D. Gerngross, E. Quiroga-Gonzalez, J. Carstensen, and H. Föll, "Single-crystalline porous indium phosphide as novel anode material for Li-ion batteries", J. Electrochem. Soc. 159(12), A1941 (2012). (7 citations)
319. A. Schütt, J. Carstensen, H. Föll, S. Keipert-Colberg, and D. Borchert, "CELLO analysis of solar cells with silicon oxide/silicon nitride rear side passivation: parasitic shunting, surface recombination, and series resistance as rear

- side influences", in Proc. 27th European Photovoltaic Solar Energy Conference, 2BV.5.14, Frankfurt (2012). (4 citations)
320. A. Schütt, J. Carstensen, J.-M. Wagner, H. Föll, M. Nguyen, and S. Klein, "Spectrally resolved local CELLO characterization of tandem solar cells using linear and 2nd harmonic response analysis", in Proc. 27th European Photovoltaic Solar Energy Conference, 3DV.1.61, Frankfurt (2012). (2 citations)
 321. C. Shen, H. Kampwerth, M. Green, T. Trupke, J. Carstensen, and A. Schütt, "Luminescence based efficiency and other important parameters imaging of silicon solar cells", in Proc. 27th European Photovoltaic Solar Energy Conference, 2DO.3.2, Frankfurt (2012). (1 citations)
 322. M. Nguyen, M. Stegmaier, A. Schütt, J. Carstensen, and H. Föll, "The influence of the electrode sheet resistance on local photocurrent excitations in microcrystalline Silicon thin film solar cells", in Proc. 27th European Photovoltaic Solar Energy Conference, 3DV.1.59, Frankfurt (2012). (1 citations)
 323. E. Quiroga-González, J. Carstensen, and H. Föll, "Good cycling performance of high-density arrays of Si microwires as anodes for Li ion batteries", *Electrochim. Acta*, DOI: 10.1016/j.electacta.2012.10.154 (2012). (53 citations)
 324. M. Leisner, H. Föll, and J. Carstensen, "A meta model for electrochemical pore growth in semiconductors", in *Nanostructured semiconductors: from basic research to applications*, eds. P. Granitzer and K. Rumpf, Pan Stanford Publishing Pte Ltd, ISBN 9789814316503, London (2013). (2 citations)
 325. M.-D. Gerngross, S. Chemnitz, B. Wagner, J. Carstensen, and H. Föll, "Ultra-high aspect ratio Ni nanowires in single-crystalline InP membranes as multiferroic composite", *Phys. Status Solidi RRL*, DOI 10.1002/pssr.201307026 (2013). (11 citations)
 326. M.-D. Gerngross, J. Carstensen, and H. Föll, "How to make single-crystalline membranes in indium phosphide", *ECS Trans.* 50(37), 121 (2013).
 327. M.-D. Gerngross, E. Quiroga-González, J. Carstensen, and H. Föll, "Characterization of three-dimensional single-crystalline porous InP anodes for Li-ion batteries", *ECS Trans.* 50(26), 139 (2013).
 328. J.-M. Wagner, J. Carstensen, A. Schütt, and H. Föll, "Qualitative and quantitative evaluation of thin-film solar cells using solar cell local characterization", *J. Appl. Phys.* 113, 064503 (2013). (5 citations)
 329. C. Shen, H. Kampwerth, M. Green, T. Trupke, J. Carstensen, and A. Schütt, "Spatially resolved photoluminescence imaging of essential silicon solar cell parameters and comparison with CELLO measurements", *Sol. Energy Mater. Sol. Cells* 109, 77 (2013). (68 citations)
 330. E. Quiroga-González, J. Carstensen, and H. Föll, "Structural and electrochemical investigation during the first charging cycles of silicon microwire array anodes for high capacity lithium ion batteries", *Materials* 6, 626 (2013). (32 citations)
 331. J.-M. Wagner, M. Hoppe, A. Schütt, J. Carstensen, and H. Föll, "Injection-level dependent series resistance: Comparison of CELLO and photoluminescence-based measurements", *Energy Procedia* 38, 199 (2013). (24 citations)
 331. E. Ossei-Wusu, J. Carstensen, E. Quiroga-González, M. Amirmaleki, and H. Föll, "The role of Polyethylene Glycol in Pore Diameter Modulation in Depth in p-type Silicon", *ECS Journal of Solid State Science and Technology* 2(6), P243 (2013). (8 citations)
 332. E. Ossei-Wusu, J. Carstensen, E. Quiroga-González, M. Amirmaleki, and H. Föll, "Investigation of Pore Diameter Modulation in Depth in p-type Silicon", *ECS Trans.* 50(37), 3 (2013).
 333. M. Nguyen, M. Stegmaier, A. Schütt, J. Carstensen, and H. Föll, "The influence of the electrode sheet resistance on local photocurrent excitations thin film solar cells", *Proceedings of the 27th European Photovoltaic Solar Energy Conference*. 2012.
 334. M. Nguyen, A. Schütt, J. Carstensen, and H. Föll, "Quantitative Defect Analysis on Solar Cells by Laser Beam Induced Current (LBIC) Measurements and 3D Network Simulations", in *Mater. Res. Soc. Symp. Proc.* 1493, DOI: 10.1557/opl.2013.232, Boston (2013). (3 citations)
 335. J.-M. Wagner, J. Bauer, and O. Breitenstein, "Comment on "Origin of breakdown mechanism in multicrystalline silicon solar cells" [*Appl. Phys. Lett.* 101, 093903 (2012)] (1 citations)
 336. O. Breitenstein, J. Carstensen, A. Schütt, J.-M. Wagner, "Comparison of local solar cell efficiency analysis performed by DLIT and CELLO", in Proc. 28th European Photovoltaic Solar Energy Conference, 2CV.3.15, Paris (2013). (8 citations)
 337. A. Schütt, J. Carstensen, J.-M. Wagner, H. Föll, "Influence of surface and process induced defects on potential-induced degradation and regeneration", in Proc. 28th European Photovoltaic Solar Energy Conference, 2BO.3.2, Paris (2013). (7 citations)
 338. A. Schütt, J. Carstensen, J.-M. Wagner, H. Föll, "Local characterization of co-firing-induced inhomogeneities of conventional mc-Si solar cells", in Proc. 28th European Photovoltaic Solar Energy Conference, 2CV.3.13, Paris (2013). (1 citations)
 339. E. Quiroga-González, J. Carstensen, H. Föll, "Optimal conditions for fast charging and long cycling stability of silicon microwire anodes for Lithium ion batteries, and comparison with the performance of other Si anode concepts", *Energies* 6(10), 5145 (2013). (40 citations)
 340. M. Baytekin, M.-D. Gerngross, Q. Li, S. Viebig, C. Selhuber-Unkel, J. Carstensen, H. Föll, and R. Adelung, "Surface modification of Ti by chemical etching and HA sputtering for dental applications", *Proc. ICNBME* 2, 56 (2013).
 341. M.-D. Gerngross, V. Hrkac, L. Kienle, J. Carstensen, and H. Föll, "Formation and characterization of Ni nanostructures in porous InP -- from crystallites to wires", *Proc. ICNBME* 2, 43 (2013). (1 citations)
 342. C. Glynn, M. Osiak, W. McSweeney, O. Lotty, H. Geaney, E. Quiroga-González, J.D. Holmes, and C. O'Dwyer,

"Semiconductor nanostructures for antireflection coating, transparent contacts, junctionless thermoelectrics and Li-Ion batteries", *ECS Trans.* 53, 25 (2013).

343. M. Hagen, E. Quiroga-González, S. Dörfler, G. Fahrer, J. Tübke, M.J. Hoffmann, H. Althues, R. Speck, M. Krampfert, S. Kaskel, and H. Föll, "Studies on preventing Li dendrite formation in Li-S batteries by using pre-lithiated Si microwire anodes", *J. Power Sourc.* 248, 1058 (2014). (84 citations)
344. Quiroga-González, J. Carstensen, C. Glynn, C. O'Dwyer, and H. Föll, "Pore size modulation in electrochemically etched macroporous p-type silicon monitored by FFT impedance spectroscopy and Raman scattering", *Phys. Chem. Chem. Phys.* 16, 255 (2014). (35 citations)
345. J. Carstensen, J.-M. Wagner, A. Schütt, and H. Föll, "Relation Between Local and Global I-V Characteristics: Restrictions for and by Series Resistance Averaging", in *Proc. 29th European Photovoltaic Solar Energy Conference*, 2BV.8.21, Amsterdam (2014). (8 citations)
346. J. Carstensen, J.-M. Wagner, A. Schütt, A. Krudopp, and H. Föll, "Ohmic loss analysis for lateral balancing currents by CELLO and photoluminescence measurements", in *Proc. 29th European Photovoltaic Solar Energy Conference*, 2BO.2.6, Amsterdam (2014). (8 citations)
347. M.-D. Gerngross, J. Carstensen, and H. Föll, "Electrochemical growth of Co nanowires in ultra-high aspect ratio InP membranes: FFT-impedance spectroscopy of the growth process and magnetic properties", *Nanoscale Res. Lett.* 9, 316 (2014). (15 citations)
348. E. Quiroga-Gonzalez, J. Carstensen, and H. Föll, "Scalable processing and capacity of Si microwire array anodes for Li ion batteries", *Nanoscale Res. Lett.* 9, 5 (2014). (8 citations)
349. J. Carstensen, J.-M. Wagner, A. Schütt, and R. Adelung, "Solving the Code of Series Resistance on Large Area Solar Cells: Average and Local Power Losses of External and Lateral Balancing Currents", in *Proc. 31st European Photovoltaic Solar Energy Conference*, 2BV.8.22, Hamburg (2015). (4 citations)
350. S. Nöhren, E. Quiroga-Gonzalez, J. Carstensen, and H. Föll, "Electrochemical Fabrication and Characterization of Silicon Microwire Anodes for Li Ion Batteries", *J. Electrochem. Soc.* 163(6), A373 (2016). (22 citations)
351. J.-M. Wagner, A. Schütt, J. Carstensen, and H. Föll, "Series resistance contribution of majority carriers in CELLO impedance analysis: Influence of wafer thickness variation", *Solar Energy Mater. Solar Cells* 146, 129 (2016). (3 citations)
352. J.-M. Wagner, A. Schütt, J. Carstensen, and R. Adelung, "Linear-response description of the series resistance of large-area silicon solar cells: Resolving the difference between dark and illuminated behavior", *Energy Procedia* 92, 255 (2016). (15 citations)
353. S. Hansen, E. Quiroga-Gonzalez, J. Carstensen, and H. Föll, "Size-dependent cyclic voltammetry study of silicon microwire anodes for lithium ion batteries", *Electrochimica Acta* 217, 283 (2016). (34 citations)
354. S. Hansen, A. Schütt, J. Carstensen, and R. Adelung, "Local Transmittance Measurements as Large Area Diagnostic Tool for the Optimization of Porous Si Foils for Li-Ion Battery Anodes", *J. Electrochem. Soc.* 163, A3036 (2016). (4 citations)
355. S. Hansen, E. Quiroga-Gonzalez, J. Carstensen, R. Adelung, and H. Föll, "Size-dependent physiochemical and mechanical interactions in battery paste anodes of Si-microwires revealed by Fast-Fourier-Transform Impedance Spectroscopy", *J. Power Sourc.* 349, 10 (2017). (13 citations)
356. A. Schütt, S. Wahl, S. Meyer, J. Hirsch, and D. Lausch, "Fast large area reflectivity scans of wafers and solar cells with high spatial resolution", *Energy Procedia* 124, 166 (2017).
357. A. Schütt, "CELLO photo-impedance-spectroscopy on PERC solar cells: Separation of bulk and rear surface defects", *Energy Procedia* 124, 161 (2017).
358. J.-M. Wagner, S. Reißland, A. Schütt, J. Carstensen, and R. Adelung, "Distributed series resistance in a one-dimensional two-diode model revisited", *Energy Procedia* 124, 197 (2017).
359. S. Hansen, S. Shree, G. Neubüser, J. Carstensen, L. Kienle, and R. Adelung, "Corset-like solid electrolyte interface for fast charging of silicon wire anodes", *J. Power Sourc.* 381, 8 (2018).
360. S. Hansen, J. Carstensen, L. Kienle, and R. Adelung, "Weiter kommen mit Silicium", *Nachrichten aus der Chemie* 66, 24 (2018).
361. Tiginyanu, I. M.; Volciuc, O.; Stevens-Kalceff, M. A.; Popa, V.; Gutowski, J.; Wille, S.; Adelung, R.; Foell, H. "The impact of the discreteness of low-fluence ion beam processing on the spatial architecture of GaN nanostructures fabricated by surface charge lithography" (2013) , 49 (1), pp. 1-3 *SURFACE ENGINEERING AND APPLIED ELECTROCHEMISTRY* (1 citations)
362. Tobail, Osama; Quiroga-Gonzalez, Enrique; Carstensen, Juergen; Foell, Helmut "Enhancement of Cu Filling into p-Type Macro-Porous Silicon by Pore Wall Thinning, Oxide Deposition and Back Side Illumination" (2014) , 161 (12), pp. D657-D662 *JOURNAL OF THE ELECTROCHEMICAL SOCIETY* (5 citations)
363. Gerngross, M-D; Carstensen, J.; Foell, H.; Adelung, R. "FFT-impedance spectroscopy analysis of the growth of magnetic metal nanowires in ultra-high aspect ratio InP membranes" (2016) , 31 (1), Art.No. 014005 *SEMICONDUCTOR SCIENCE AND TECHNOLOGY* (3 citations)
364. Hansen, Sandra; Quiroga-Gonzalez, Enrique; Carstensen, Juergen; Adelung, Rainer; Foell, Helmut "Size-dependent physicochemical and mechanical interactions in battery paste anodes of Si-microwires revealed by Fast-Fourier-Transform Impedance Spectroscopy" (2017) , 349, pp. 1-10 *JOURNAL OF POWER SOURCES* (13 citations)

Statistics

- Still just for fun. But now let's see what kind of Hirsch factor I have:
 55 publications with more than 60 citations, and 64 publications with more that 50 citations give something like a **Hirsch factor** around 55 or thereabouts
- The 1st author count indicates how often I did at least most of the writing work. That does not mean, however, that I had no part in the rest. The "good journal" count is highly subjective and gives just a general indication of what is going on.

No. citation	Inst. 1	Inst. 2	Inst. 3	Inst. 4	Inst. 5	Inst. 6	Sum
>80	14	17	7	3	2	1	44
>70			1	1			2
>60		1	4	1	2	1	9
>50	2		1	2	2	2	9
>40	8	3	2			1	14

	Inst. 1	Inst. 2	Inst. 3	Inst. 4	Inst. 5	Inst. 6	Sum
First Author	35	17	8	4	12	0	76
Good Journals	34	25	38	36	35	50	183