

Design for accelerated testing of DC-link capacitors in photovoltaic inverters based on mission profiles
Sangwongwanich, Ariya; Shen, Yanfeng; **Chub, Andrii; Liivik, Elizaveta; Vinnikov, Dmitri;** Wang, Huai; Blaabjerg, Frede IEEE transactions on industry applications 2021 / p. 741–753 <https://doi.org/10.1109/TIA.2020.3030568> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Mission profile resolution impacts on the thermal stress and reliability of power devices in PV inverters
Sangwongwanich, Ariya; Zhou, D.; **Liivik, Elizaveta;** Blaabjerg, Frede Microelectronics reliability 2018 / p. 1003-1007
<https://doi.org/10.1016/j.microrel.2018.06.094>

Mission profile-based accelerated testing of DC-link capacitors in photovoltaic inverters
Sangwongwanich, Ariya; Shen, Yanfeng; **Chub, Andrii; Liivik, Elizaveta; Vinnikov, Dmitri;** Wang, Huai; Blaabjerg, Frede Thirty-Fourth Annual IEEE Applied Power Electronics Conference and Exposition, March 17 – 21, 2019, Anaheim, California 2019 / p. 2833-2840 : ill <https://doi.org/10.1109/APEC.2019.8721794> Conference proceedings at Scopus Article at Scopus Article at WOS

Photovoltaic module characteristic influence on reliability of micro-inverters
Sangwongwanich, Ariya; **Liivik, Elizaveta; Blaabjerg, Frede** 2018 IEEE 12th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG 2018) : Doha, Qatar, 10-12 April 2018 2018 / p. 478-483 : ill
<https://doi.org/10.1109/CPE.2018.8372565>

Reliability analysis and energy yield of string-inverter considering monofacial and bifacial photovoltaic panels
Bouguerra, Sara; Yaiche, Mohamed Redha; Sangwongwanich, Ariya; Blaabjerg, Frede; **Liivik, Elizaveta** 2020 IEEE 11th International Symposium on Power Electronics for Distributed Generation Systems (PEDG), 28 Sept.-1 Oct. 2020, Dubrovnik, Croatia 2020 / p. 199-204 <https://doi.org/10.1109/PEDG48541.2020.9244425>

Reliability analysis of battery energy storage system for various stationary applications
Bakeer, Abualkasim Ahmed Ali; **Chub, Andrii; Shen, Yanfeng;** Sangwongwanich, Ariya Journal of energy storage 2022 / art. 104217 <https://doi.org/10.1016/j.est.2022.104217> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Reliability analysis of micro-inverters considering PV module variations and degradation rates
Liivik, Elizaveta; Sangwongwanich, Ariya; Blaabjerg, Frede 2018 20th European Conference on Power Electronics and Applications (EPE'18 ECCE Europe) : Riga, Latvia, 17-21 September 2018 2018 / p. 1475-1482 : ill <https://ieeexplore.ieee.org/document/8515325>

Reliability of DC-link capacitors in two-stage micro-inverters under different PV module sizes
Sangwongwanich, Ariya; Shen, Yanfeng; **Chub, Andrii; Liivik, Elizaveta; Vinnikov, Dmitri;** Wang, Huai; Blaabjerg, Frede ICPE 2019 - ECCE Asia : 10th International Conference on Power Electronics - ECCE Asia : "Green World with Power Electronics" : May 27-30, 2019 BEXCO, Busan, Korea 2019 / p. 1867-1872 : ill <https://ieeexplore.ieee.org/xpl/conhome/8786807/proceeding>

Wear-out failure analysis of solar optivertor operating with 60- and 72-cell Si crystalline PV modules
Liivik, Liisa; Chub, Andrii; Sangwongwanich, Ariya; Shen, Yanfeng; **Vinnikov, Dmitri;** Blaabjerg, Frede IECON 2018 - 44th Annual Conference of the IEEE Industrial Electronics Society : proceedings 2018 / p. 6134-6140 : ill
<https://doi.org/10.1109/IECON.2018.8592925>