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Publikationer

Estimation of catapult size and bolt dimensions by comparison of design formulae for early torsion-based catapults

Paasch, K. M. & Paasch, A. P., jul. 2024, I: ACTA IMEKO. 13, 2, s. 1-8

Comparison of design formulas for torsion based catapults

Paasch, K. M. & Paasch, A. P., 20. okt. 2023, *2023 IMEKO TC4 International Conference on Metrology for Archaeology and Cultural Heritage*. s. 201-206

Battery storage analysis demands based on novel high temporal resolution weather data platform

Andersen, H., Paasch, K. M., Nymand, M. & Kjær, S. B., 18. sep. 2023, (Afsendt) *IEEE 40th European Photovoltaic Solar Energy Conference*. IEEE

Coupling Path to Attached Cables in an Arbitrary Flyback Converter

Commerou, D. L., Paasch, K. M., Sørensen, M., Jeong, S. & Hwang, C., 4. sep. 2023, *2023 International Symposium on Electromagnetic Compatibility – EMC Europe*. IEEE, 5 s. (International Symposium on Electromagnetic Compatibility – EMC Europe).

Single-Stage Single-Switch curved air gap PFC integrated flyback transformer design

Mo, W. K., Paasch, K. M. & Ebel, T., 15. jun. 2023, *2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG)*. IEEE, 6 s. (Proceedings of the IEEE International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG)).

Convolutional Neural Network battery pack classification - Gramian angular field vs. Markov Transition Field

Andersen, H. & Paasch, K. M., 2023, *7th E-Mobility Power System Integration Symposium (EMOB 2023)*. 18 udg. Institution of Engineering and Technology, s. 205-211

Single-Stage Single-Switch curved air gap PFC integrated flyback transformer design

Mo, W. K., Paasch, K. M. & Ebel, T., 2023, *2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG)*. IEEE, 6 s. (Proceedings of the IEEE International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG)).

Single-stage single-switch curved air gap power factor correction integrated flyback transformer design for lighting equipment power applications

Mo, W. K., Paasch, K. M. & Ebel, T., 2023, *2023 25th European Conference on Power Electronics and Applications, EPE 2023 ECCE Europe*. IEEE, 10 s.

EMC considerations of air-gapped PFC inductor for lighting equipment applications

Mo, W. K., Paasch, K. M. & Ebel, T., 29. jun. 2022, *2022 IEEE 16th International Conference on Compatibility, Power Electronics, and Power Engineering (CPE-POWERENG)*. IEEE, 7 s. (Proceedings of the IEEE International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG)).

A complete optimal air gapped PFC boost inductor design for power converter applications

Mo, W. K., Paasch, K. M. & Ebel, T., 27. jun. 2022, *2022 IEEE 13th International Symposium on Power Electronics for Distributed Generation Systems (PEDG)*. IEEE, 6 s. (International Symposium on Power Electronics for Distributed Generation Systems (PEDG)).

A Complete PFC Inductor Design for Lighting Equipment Applications

Mo, W. K., Paasch, K. M. & Ebel, T., 2022, *2022 24th European Conference on Power Electronics and Applications (EPE'22 ECCE Europe)*. IEEE, 11 s.

Optimal gapped boost in inductor design for power factor correction applications

Mo, W. K., Paasch, K. M. & Ebel, T., 6. sep. 2021, *2021 23rd European Conference on Power Electronics and Applications, EPE 2021 ECCE Europe*. IEEE, 11 s.

Study of geometrical effects on high frequency winding loss of air-gapped power inductor design with DC current impact.

Mo, W. K., Paasch, K. & Ebel, T., 15. jul. 2021, *2021 IEEE 15th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG)*. IEEE, 8 s.

Improved method of power inductor design with DC current impact

Mo, W. K., Paasch, K. & Ebel, T., 7. aug. 2020, *Proceedings - 2020 IEEE 14th International Conference on Compatibility, Power Electronics and Power Engineering, CPE-POWERENG 2020*. IEEE, s. 120-126 (Proceedings of the IEEE International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG)).

Winding loss optimization for boost inductor design

Mo, W. K., Paasch, K., Ebel, T. & Andersen, H., 10. okt. 2019, *2019 IEEE 13th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG)*. IEEE, 6 s.

Hybrid magnetic EMI filter design for Low Voltage DC distribution (LVDC) network

Mo, W. K., Paasch, K. & Ebel, T., 2019, *The 3rd IEEE ICDCM International Conference on DC Microgrids*. IEEE

Parasitic couplings of 3-phase EMI filter design for 1KW 3-phase boost converter

Mo, W. K., Paasch, K. & Ebel, T., 2019, *IEEE European Power Electronics Conference: EPE2019*. IEEE, 10 s. 19191424

PV-grid performance under dynamic weather conditions

Paasch, K., Cornaro, C. & Pierro, M., 2019, *The 3rd IEEE ICDCM International Conference on DC Microgrids*. IEEE, P2-21

Hybrid magnetic 3-phase Integrated EMI filter

Mo, W. K. & Paasch, K., 20. sep. 2018, *Proceedings of the 20th European Conference on Power Electronics and Applications*. IEEE, 6 s.

Modeling, Simulation and Electromagnetic Conducted Emission Reduction Techniques by Finite Element Method

Mo, W. K. & Paasch, K., 11. apr. 2018, *Proceedings of the 12th IEEE International Conference on Compatibility, Power Electronics and Power Engineering: CPE-POWERENG 2018*. IEEE, s. 1-6

Hybrid Magnetics and Power Converter Applications

Mo, W. K., Paasch, K. & Krenz, E.-G., 6. nov. 2017, *2017 19th European Conference on Power Electronics and Applications, EPE 2017 ECCE Europe*. IEEE, 6 s.

Hybrid Magnetics and Power Applications

Mo, W. K. & Paasch, K., 28. apr. 2017, *Proceedings of the 11th IEEE International Conference on Compatibility, Power Electronics and Power Engineering*. IEEE, s. 235-240

Hybrid Magnetic Design

Mo, W. K. & Paasch, K., 2017, *Proceedings of the 26th IEEE International Symposium on Industrial Electronics*. IEEE, s. 739-744 8001338

Optimal inductor winding geometries for minimizing winding loss in gapped inductor designs

Mo, W. K., Paasch, K. & Sachmann, M., 2017, *Proceedings of the 19th European Conference on Power Electronics and Applications*. IEEE, 6 s. 8098961

The use of Wikis in project work: "To Wiki or not to Wiki"

Paasch, K., 2017, *Teaching for Active Learning : TAL 2017*. Kjær, C., F. Christensen, I.-M. & Hansen, P. S. (red.). Syddansk Universitet, s. 36-43

Assessment and monitoring of grid-tied PV inverter performance using a "golden inverter" model

Paasch, K., Nymand, M., Stöckl, J. & Revesz, M., 25. okt. 2016, *Proceeding of the 18th European Conference on power Electronics and Applications*. IEEE Press, 10 s.

Evaluation of a Detailed Electro-Thermal PV Model on a 62.5 kWp Installation

Anagnostos, D., Paasch, K., Goverde, H., Catthoor, F. & Soudris, D., 21. jun. 2016, *Proceedings of the EU PVSEC 2016 (Munich)*. s. 1936-1938 5BV.2.16

Evaluation of a PV-Panel via Long Term High Speed Recording of IV-Curves

Paasch, K., Nymand, M., Cornaro, C., Pierro, M. & Bucci, F., 21. jun. 2016, *Proceedings of the EU PVSEC 2016 (Munich)*. s. 2105-2109 5BV.2.85

Technical aspects regarding energy storage in ancient Greek and Roman catapults

Paasch, K., 10. jun. 2016, I: *Journal of Roman Military Equipment Studies*. 17, s. 287-290

Power Electronic System for Multi-MW PV sites.

Paasch, K., 2016, Syddansk Universitet. Mærsk Mc-Kinney Møller Institutet. 166 s.

Comparative analysis of the performance of string and central inverter topology at a large PV utility plant with varying topography

Paasch, K., Nymand, M. & Kjær, S. B., sep. 2015, *Proceeding of the 31st European Photovoltaic Solar Energy Conference and Exhibition*. s. 2280-2283

Long term energy yield measurements of a string- vs. central inverter concept tested on a large scale PV-plant

Paasch, K., Nymand, M. & Kjær, S. B., sep. 2015, *Proceeding of the 17th European Conference on Power Electronics and Applications*. IEEE, s. 1-9

A new principle for underground pumped hydroelectric storage

Olsen, J., Paasch, K., Lassen, B. & Veje, C., 1. aug. 2015, I: *Journal of Energy Storage*. 2, s. 54-63

Simulation of the impact of moving clouds on large scale PV-plants

Paasch, K. M., Nymand, M. & Kjær, S. B., 15. okt. 2014, *Proceedings of the IEEE 40th Photovoltaic Specialist Conference, PVSC 2014*. IEEE Press, s. 791-796 (Proceeding of the IEEE Conference on Photovoltaic Specialists).

Internally actuated autonomous sailing buoy

Jouffroy, J. (Opfinder), Paasch, K. (Opfinder) & Xiao, L. (Opfinder), 25. sep. 2014, Patentnr. PCT/DK2012/050402, 31. okt. 2012, Prioritetsdato 22. sep. 2015, Prioritetsnr. US9139272B2

Simulation of the impact of moving clouds on large scale PV-plants

Paasch, K., Nymand, M. & Kjær, S. B., jun. 2014. 6 s.

Optimization of PV-based energy production by dynamic PV-panel/inverter configuration

Paasch, K., Nymand, M. & Haase, F., 10. apr. 2013. 4 s.

Sensor System for Long-term Recording of Photovoltaic (PV) IV-curves

Paasch, K., Nymand, M. & Haase, F., 10. apr. 2013. 4 s.

Distributed measurement system for long term monitoring of clouding effects on large PV plants: 2013 15th European Conference on Power Electronics and Applications, EPE 2013

Paasch, K. M., Nymand, M. & Haase, F., 2013, *15th European Conference on Power Electronics and Applications, EPE 2013*. IEEE Press, s. 1-10

Human Work Interaction Design. Work Analysis and HCI.

Paasch, K., 2013, *IFIP Advances in Information and Communication Technology: Third IFIP 13.6 Working Conference, HWID 2012, Copenhagen, Denmark, December*. Campos, P., Clemmensen, T., Nocera, J. A., Katre, D., Lopes, A. & Ørngreen, R. (red.). Springer, s. 65-72

A game-like interactive questionnaire for PV application research by participatory design

Dai, Z. & Paasch, K., 6. dec. 2012. 4 s.

A portable device for testing solar panels: US provisional application no 61/436,615 (SDU ref: 647-154)

Paasch, K. (Opfinder) & Top, S. (Opfinder), 2012

Analysis of the Design Criteria for Ancient Greek and Roman Catapults

Paasch, K., 17. nov. 2011, *COMSOL Multiphysics Conference 2010 Paris: Proceedings of the COMSOL Conference 2010 Paris*. s. 1-6 6 s.

Den antikke katapults udvikling

Paasch, K., 2011, I: 1066 - Tidsskrift for Historie. 2011, 1, s. 27-38

Drift in LED based Photometer

Paasch, K., Tittelbach, G. & Peschel, T., 1999, *Optomechanical Engineering and Vibration Control*. Derby, E. A., Gordon, C. G., Vukobratovich, D., Yoder, P. R. & Zweben, C. H. (red.). SPIE - International Society for Optical Engineering, s. 534-544 (Proceedings of SPIE, the International Society for Optical Engineering, Bind 3786).

Aktiviteter

13th IEEE International Conference on Compatibility, Power Electronics and Power Engineering, CPE-POWERENG 2019

Paasch, K. (Arrangør), Franke, W.-T. (Program komite), Nymand, M. (Teknisk program komite) & Ramachandran, R. (Program komite)
23. apr. 2019 → 25. apr. 2019

2011 14th European Conference on Power Electronics and Applications, EPE 2011 (Begivenhed)

Paasch, K. M. (Peer reviewer)
2016 → ...

Advanced power electronics technologies for drives at MCI

Paasch, K. (Underviser)
17. mar. 2017

Censor ved Ingeniøruddannelsernes censorkorps - Matematik, Fysik og Samfundsfag-retningen (Ekstern organisation)

Paasch, K. M. (Medlem)
2020 → ...

Censor ved Ingeniøruddannelsernes censorkorps - Matematik, Fysik og Samfundsfag-retningen (Ekstern organisation)

Paasch, K. M. (Medlem)
2000 → 2016

Dansk Optisk Selskab (DOPS) (Ekstern organisation)

Paasch, K. (Medlem)
1996 → ...

Dansk Optisk Selskab (DOPS) (Ekstern organisation)

Paasch, K. M. (Medlem)

1996 → ...

Det Tekniske Fakultet (Organisation)

Paasch, K. M. (Medlem)

1. jan. 2022 → ...

EC Expert panel (FP7) (Ekstern organisation)

Paasch, K. (Medlem)

2002 → ...

Energi skal produceres hos os alle. Bliver solceller hver mands eje?

Paasch, K. (Foredragsholder)

2. nov. 2010

Energi skal produceres hos os alle. Bliver solceller hver mands eje?

Paasch, K. (Foredragsholder)

8. mar. 2011

Energi skal produceres hos os alle. Bliver solceller hver mands eje?

Paasch, K. (Foredragsholder)

17. mar. 2011

Energi skal produceres hos os alle. Bliver solceller hver mands eje?

Paasch, K. (Foredragsholder)

22. mar. 2011

Energi skal produceres hos os alle. Bliver solceller hver mands eje?

Paasch, K. (Foredragsholder)

17. maj 2011

Expert Evaluator, EC-Horizon 2020 applications (Ekstern organisation)

Paasch, K. M. (Medlem)

2020 → ...

Flyvevåbnet (Ekstern organisation)

Paasch, K. M. (Medlem)

1987 → 2003

Green Tech Center Vejle Åbningsevent.

Paasch, K. (Oplægsholder)

24. jun. 2014

Green Tech Center Vejle Åbningsevent.

Paasch, K. (Oplægsholder)

24. jun. 2014

IDA Maskiningeniør Fond (M-fond) (Ekstern organisation)

Paasch, K. (Medlem)

2006 → ...

Institut for Mekanik og Elektronik (IME) (Organisation)

Paasch, K. M. (Medlem)

1. jun. 2023

Monitoring grid tied inverter performance on Danfoss 2.4 MW installation.

Paasch, K. (Underviser)

29. okt. 2017

SDU (Organisation)

Paasch, K. (Formand)

2016 → ...

Solceller - fremtidens energi?: Hvordan virker solceller og hvad kommer de til at betyde for vores energiforsyning i fremtiden?

Paasch, K. (Foredragsholder)

23. sep. 2011

Solceller – fremtidens energi?: Hvordan virker solceller og hvad kommer de til at betyde for vores energiforsyning i fremtiden?

Paasch, K. (Foredragsholder)

26. sep. 2011

Solceller – fremtidens energi?: Hvordan virker solceller og hvad kommer de til at betyde for vores energiforsyning i fremtiden?

Paasch, K. (Foredragsholder)

28. sep. 2011

Solceller – fremtidens energi?: Hvordan virker solceller og hvad kommer de til at betyde for vores energiforsyning i fremtiden?

Paasch, K. (Foredragsholder)

29. sep. 2011

Solceller – fremtidens energi?: Hvordan virker solceller og hvad kommer de til at betyde for vores energiforsyning i fremtiden?

Paasch, K. (Foredragsholder)

29. sep. 2011

The influence of solar panel variations on power production - a case study

Paasch, K. (Underviser)

29. okt. 2019