## Active clamped dual current-fed bidirectional DC-DC converter for wide voltage range applications

Chauhan, Sachin; Blinov, Andrei; Chub, Andrii; Vinnikov, Dmitri 2024 IEEE 65th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2024 / 7 p https://doi.org/10.1109/RTUCON62997.2024.10830838

## Bidding strategy of a microgrid considering risk interdependence between electricity and carbon markets

Yan, Yuan; Lin, Zihan; **Wen, Fushuan**; **Palu, Ivo** 2019 IEEE Power & Energy Society General Meeting (PESGM) 2019 / 5 p.: ill <a href="https://doi.org/10.1109/PESGM40551.2019.8974139">https://doi.org/10.1109/PESGM40551.2019.8974139</a>

Bipolar duty cycle control for dual side LCC compensated inductive power transfer system for wide output voltage range Kishan, D.; Chub, Andrii; Vinod, Marupuru IECON Proceedings (Industrial Electronics Conference) IECON 2024 - 50th Annual Conference of the IEEE Industrial Electronics Society 2025 / 4 p https://doi.org/10.1109/IECON55916.2024.10905524 Conference proceedings at Scopus Article at Scopus

## EV-Permanent magnet synchronous motor control strategy evaluation based on digital twin concept

**Mohamed, Mahmoud Ibrahim Hassanin**; **Rjabtšikov, Viktor** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 5 p https://doi.org/10.1109/CPE-POWERENG58103.2023.10227410

## ISEAUTO self-driving vehicle dynamic model verification

**Rjabtšikov, Viktor**; **Mohamed, Mahmoud Ibrahim Hassanin**; **Kuts, Vladimir** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 6 p <a href="https://doi.org/10.1109/CPE-POWERENG58103.2023.10227396">https://doi.org/10.1109/CPE-POWERENG58103.2023.10227396</a>

Joint planning of EV fast charging stations and power distribution systems with balanced traffic flow assignment Yang, Wentao; Liu, Weijia; Chung, Chi Yung; Wen, Fushuan IEEE transactions on industrial informatics 2021 / p. 1795–1809 : ill https://doi.org/10.1109/TII.2020.2995742 Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

## Management of braking energy in electric vehicles using reinforcement learning

**Vodovozov, Valery**; **Raud, Zoja**; **Petlenkov, Eduard** 2023 International Conference on Clean Electrical Power (ICCEP) 2023 / p. 559-564 <a href="https://doi.org/10.1109/ICCEP57914.2023.10247359">https://doi.org/10.1109/ICCEP57914.2023.10247359</a>

## Modelling of energy recovery in electric vehicles for various braking scenarios on changing road surfaces

**Vodovozov, Valery**; **Raud, Zoja** Renewable energy and power quality journal 2020 / p. 178–183 <a href="https://doi.org/10.24084/repgj18.264">https://doi.org/10.24084/repgj18.264</a> Journal metrics at Scopus Article at Scopus

# A novel orbirect inductive coil structure for wireless inductive power transfer in electric vehicle battery charging applications

Kishan, Dharavath; Ghosh, Shubhankar; Chauhan, Shubhang; **Chub, Andrii** IECON 2025 – 51st Annual Conference of the IEEE Industrial Electronics Society 2025 / p. 1-5 <a href="https://ieeexplore.ieee.org/document/11221497">https://ieeexplore.ieee.org/document/11221497</a>
<a href="https://ieeexplore.ieee.org/document/11221497">https://ieeexplore.ieee.org/document/11221497</a>

#### Oil spray cooling with hairpin windings in high-performance electric vehicle motors

**Shams Ghahfarokhi, Payam**; Podgornovs, Andrejs; **Kallaste, Ants**; **Vaimann, Toomas**; **Belahcen, Anouar**; Cardoso, Antonio J. Marques 2021 28th International Workshop on Electric Drives : Improving Reliability of Electric Drives (IWED) 2021 / 5 p <a href="https://doi.org/10.1109/IWED52055.2021.9376390">https://doi.org/10.1109/IWED52055.2021.9376390</a>

Simulation study of processes in electric vehicles under braking control based on reinforcement learning Vodovozov, Valery; Raud, Zoja; Petlenkov, Eduard 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 5 p https://doi.org/10.1109/CPE-POWERENG58103.2023.10227478

## Vehicle energy management system: a survey

Maradey Lázaro, Jessica Gissella; Rincón Quintero, Arly Dario; Garrido Silva, Gianina; **Zequera, Rolando Antonio Gilbert** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 <a href="https://doi.org/10.1109/CPE-POWERENG58103.2023.10227455">https://doi.org/10.1109/CPE-POWERENG58103.2023.10227455</a>

## Wide-range universal isolated DC-DC converter for EV charging applications

Blinov, Andrei; Chub, Andrei; Vinnikov, Dmitri IECON Proceedings (Industrial Electronics Conference) IECON 2024 - 50th Annual Conference of the IEEE Industrial Electronics Society 2024 / 5 p https://doi.org/10.1109/IECON55916.2024.10905692 Conference proceedings at Scopus Article at Scopus