

### **Analysis of protection and control functions of low voltage part of substation for smart grid applications**

**Mägi, Marek; Peterson, Kristjan; Pettai, Elmo** PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 297-304 : ill  
<https://ieeexplore.ieee.org/document/6256243>

### **Automatic generation control of a future multisource power system considering high renewables penetration and electric vehicles: Egyptian Power System in 2035**

Nour, Morsy; Magdy, Gaber; Chaves-Avila, Jose Pablo; Sanchez-Miralles, Alvaro; **Petlenkov, Eduard** IEEE Access 2022 / p. 51662-51681 : ill <https://doi.org/10.1109/ACCESS.2022.3174080> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Characterizing energy flexibility of buildings with electric vehicles and shiftable appliances on single building level and aggregated level**

**Azizi, Elnaz; Ahmadiyahangar, Roya; Rosin, Argo;** Bolouki, Sadegh Sustainable cities and society 2022 / art. 103999  
<https://doi.org/10.1016/j.scs.2022.103999> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Charging infrastructure planning for electric vehicle in India : present status and future challenges**

Sachan, Sulabh; **Singh, Praveen Prakash** Regional Sustainability 2022 / p. 335 - 345 <https://doi.org/10.1016/j.regsus.2022.11.008>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Comparative analysis of electric drives met for vehicle propulsion**

**Vodovozov, Valery; Raud, Zoja; Lehtla, Tõnu; Rassõlkin, Anton; Lillo, Nikolai** 9th International Conference on Ecological Vehicles and Renewable Energies EVER 2014 2014 / [8] p. : ill

### **Comparative analysis of intelligent braking controllers for electric vehicles**

**Vodovozov, Valery; Raud, Zoja; Petlenkov, Eduard** Renewable energy and power quality journal 2022 / p. 55-60  
<https://doi.org/10.24084/repqj20.217> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **A comprehensive review of standards and best practices for utility grid integration with electric vehicle charging stations**

Sachan, Sulabh; Deb, Sanchari; **Singh, Praveen Prakash;** Alam, Mohammad Saad; Shariff, Samir M. Wiley Interdisciplinary Reviews: Energy and Environment 2022 / Art. e424 <https://doi.org/10.1002/wene.424> [Journal metrics at Scopus](#) [Article at Scopus](#)  
[Journal metrics at WOS](#) [Article at WOS](#)

### **A cost-effective electric vehicle intelligent charge scheduling method for commercial smart parking lots using a simplified convex relaxation technique**

Jawad, Muhammad; Qureshi, Muhammad Bilal; Ali, Sahibzada Muhammad; **Shabbir, Noman;** Khan, Muhammad Usman; Aloraini, Afnan; Nawaz, Raheel Sensors 2020 / p. 1-19 <https://doi.org/10.3390/s20174842> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Design of an experimental setup to study the drives of battery electric vehicles**

**Vodovozov, Valery; Raud, Zoja; Lehtla, Tõnu** World Academy of Science, Engineering and Technology 2013 / p. 816-823 : ill

### **Electric vehicles charging infrastructure demand and deployment : challenges and solutions**

**Singh, Praveen Prakash; Wen, Fushuan; Palu, Ivo;** Sachan, Sulabh; Deb, Sanchari Energies 2023 / art. 7  
<https://doi.org/10.3390/en16010007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Estimation of harmonic emission of electric vehicles and their impact on low voltage residential network**

**Iqbal, Muhammad Naveed; Kütt, Lauri; Daniel, Kamran; Asad, Bilal; Ghahfarokhi, Payam Shams** Sustainability 2021 / art. 8551 <https://doi.org/10.3390/su13158551> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Grid reactive power compensation by using electric vehicles**

Gallardo-Lozano, Javier; Romero-Cadaval, Enrique; Minambres-Marcos, Victor; **Vinnikov, Dmitri; Jalakas, Tanel; Hõimoja, Hardi** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 19-24 : ill

### **Hairpin windings for electric vehicle motors : modeling and investigation of AC loss-mitigating approaches**

**Ghahfarokhi, Payam Shams;** Podgornovs, Andrejs; Cardoso, Antonio J. Marques; **Kallaste, Ants;** Belahcen, Anouar; **Vaimann, Toomas** Machines 2022 / art. 1029 <https://doi.org/10.3390/machines10111029> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Neural network control of green energy vehicles with blended braking systems**

**Vodovozov, Valery; Petlenkov, Eduard; Aksjonov, Andrei; Raud, Zoja** Renewable Energy & Power Quality Journal 2021 / p. 344-349 <https://doi.org/10.24084/repqj19.291> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Neural network-based model reference control of braking electric vehicles**

**Vodovozov, Valery;** Aksjonov, Andrei; **Petlenkov, Eduard; Raud, Zoja** Energies 2021 / art. 2373 <https://doi.org/10.3390/en14092373>

**Optimizing EV driving-recharge time ratio a under limited grid connection**

Tsirnomeny, M.; **Hõimoja, Hardi** 7th IET International Conference on Power Electronics, Machines and Drives (PEMD 2014) : Manchester, United Kingdom, 8–10 April 2014. Vol. 2 2014 / p. 903-908 : ill

**Overview of digital twin platforms for EV applications**

**Mohamed, Mahmoud Ibrahim Hassanin; Rjabtšikov, Viktor; Gilbert, Rolando** Sensors 2023 / art. 1414, 15 p. : ill  
<https://doi.org/10.3390/s23031414> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Power interfaces and storage selection for an ultrafast EV charging station**

**Hõimoja, Hardi**; Vasiladiotis, M.; Rufer, A. PEMD 2012 : Power Electronics, Machines and Drives : 27-29 March 2012, University Bristol, UK : [proceedings] 2012 / 6 p. : ill

**A review of the effects of electric vehicle charging on distribution network operation and power quality**

**Kütt, Lauri**; Saarijärvi, Eero; Lehtonen, Matti; **Mölder, Heigo; Niitsoo, Jaan** Electrical and Control Technologies : proceedings of the 8th International Conference on Electrical and Control Technologies : ECT-2013 2013 / p. 162-167

**Simulation study of electric vehicles at fuzzy PID control of braking torque**

**Vodovozov, Valery; Petlenkov, Eduard**; Aksjonov, Andrei; **Raud, Zoja** Informatics in Control, Automation and Robotics : 17th International Conference, ICINCO 2020 Lieusaint - Paris, France, July 7–9, 2020, Revised Selected Papers 2022 / p. 261–290  
[https://doi.org/10.1007/978-3-030-92442-3\\_15](https://doi.org/10.1007/978-3-030-92442-3_15) [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Survey of harmonic emission of electrical vehicle chargers in the European market**

Collin, A. J.; Xu, Xiao; Djokic, S. Z.; Möller, F.; Meyer, Jan; **Kütt, Lauri**; Lehtonen, Matti SPEEDAM 2016 - proceedings : International Symposium on Power Electronics, Electrical Drives, Automation and Motion : Capri (Italy), 22nd-24th June 2016 2016 / p. 1208-1213 : ill <https://doi.org/10.1109/SPEEDAM.2016.7526005>

**The technology for low-volume manufacturing of fenders for an advanced light electric vehicle**

**Pääsuke, Kaarel; Pohlak, Meelis** Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 1 2012 / p. 210-215 : ill

**A Toolbox to design inverters for automotive applications**

**Vodovozov, Valery; Raud, Zoja; Lehtla, Tõnu** Recent Researches in Applications of Electrical and Computer Engineering : [proceedings of the AEE'12, ACE'12, CSS'12 : Vouliagmeni Beach, Athens, Greece, March 7-9, 2012] 2012 / p. 190-195 : ill  
[https://www.researchgate.net/publication/262257028\\_A\\_toolbox\\_to\\_design\\_inverters\\_for\\_automotive\\_applications](https://www.researchgate.net/publication/262257028_A_toolbox_to_design_inverters_for_automotive_applications)