

### Calculation analysis of shale oil and power cogeneration

**Lausmaa, Toomas; Ots, Arvo; Poobus, Arvi; Dedov, Andrei** Oil shale 2019 / p. 19-31 : ill <https://doi.org/10.3176/oil.2019.1.02>  
[http://www.kirj.ee/public/oilshale\\_pdf/2019/issue\\_1/OS-2019-1-19-31.pdf](http://www.kirj.ee/public/oilshale_pdf/2019/issue_1/OS-2019-1-19-31.pdf) Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### Comparison of flux-switching and interior permanent magnet synchronous generators for direct-driven wind applications based on nelder–mead optimal designing

**Prakht, Vladimir; Dmitrievskii, Vladimir; Kazakbaev, Vadim; Andriushchenko, Ekaterina** Mathematics 2021 / art. 732  
<https://doi.org/10.3390/math9070732> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### Dynamic state space model based analysis of a three-phase induction motor using nonlinear magnetization inductance

**Asad, Bilal; Vaimann, Toomas; Rassõlkin, Anton; Belahcen, Anouar** 19th International Scientific Conference on Electric Power Engineering (EPE 2018) : Brno, Czech Republic, 16 - 18 May 2018 / p. 260-265 : ill  
<https://doi.org/10.1109/EPE.2018.8396039>

### Energy efficiency for bisection based power allocation with proportional fairness in relay-assisted LTE-A downlink system [Online resource]

**Hassan, Hammad; Ahmed, Ifran; Alam, Muhammad Mahtab** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 / 4 p.: ill  
<https://doi.org/10.1109/BEC.2018.8600970>

### Estimating parameters for traffic flow using navigation data on vehicles

**Burinskiene, Marija; Kapski, Denis; Kasyanik, Valery; Pashkevich, Anton** The Baltic journal of road and bridge engineering 2020 / p. 1-21 <https://doi.org/10.7250/bjrbe.2020-15.492> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### Evaluation of equivalent circuit diagrams and transfer functions for modeling of lithium-ion batteries

**Rahmoun, Ahmad; Biechl, Helmuth; Rosin, Argo** Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2013 / p. 34-39 : ill

### Influence of skin effect on current flow through electrodes of electro-surgical instruments and biological tissue

**Sydorets, Volodymyr; Dubko, Andrii; Bondarenko, Oleksandr; Kosenko, Roman** BEC 2016 : 2016 15th Biennial Baltic Electronics Conference : proceedings of the 15th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 3-5, 2016, Tallinn, Estonia 2016 / p. 211-214 : ill [http://www.estet.ee/record=b2150914\\*est](http://www.estet.ee/record=b2150914*est)

### Intracellular diffusion of adenosine phosphates is locally restricted in cardiac muscle

**Vendelin, Marko; Eimre, Margus; Seppet, Evelin; Peet, Nadežda; Andrienko, Tatiana; Lemba, Maris; Engelbrecht, Jüri; Seppet, Enn; Saks, Valdur** Molecular and cellular biochemistry 2004 / p. 229-241 : ill  
<https://link.springer.com/article/10.1023/B:MCBI.0000009871.04141.64>

### Mathematical model of echolocation of fish-catching bats

**Stulov, Anatoli** Wave motion 2013 / p. 579-585 : ill <https://doi.org/10.1016/j.wavemoti.2012.12.003> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

### Minimal energy storage required for stability of low inertia distributed sources

**Fahima, Aviad; Ofir, Ron; Levron, Yoash; Belikov, Juri** 2018 5th IEEE International Energy Conference (ENERGYCON), Limassol, Cyprus, June 3-7, 2018 : proceedings 2018 / 5 p. : ill <https://doi.org/10.1109/ENERGYCON.2018.8398775>

### A model-based adaptive control of turning maneuver for catamaran autonomous surface vessel

**Astrov, Igor; Astrova, Irina** WSEAS Transactions on Systems and Control 2024 / p. 135-142  
<https://doi.org/10.37394/23203.2024.19.14> Journal metrics at Scopus Article at Scopus

### A model-based control of self-driving car trajectory for lanes change maneuver in a smart city

**Astrov, Igor** WSEAS transactions on systems and control 2023 / art. 36, p. 346-353 : ill <https://doi.org/10.37394/23203.2023.18.36> Journal metrics at Scopus Article at Scopus

### Optimal tracking control of catamaran sailboat model in a smart city

**Astrov, Igor** Automation, Robotics & Communications for Industry 4.0/5.0 : proceedings of the 4th Winter IFSA Conference on Automation, Robotics & Communications for Industry 4.0/5.0 (ARCI' 2024), 7-9 February 2024, Innsbruck, Austria 2024 / p. 78-83 : ill  
<https://doi.org/10.13140/RG.2.2.20923.18722>

### Phenol and methanol detector based on pristine graphene nano-sheet: a first principles study [Online resource]

**Rashid, Muhammad Haroon; Koel, Ants; Rang, Toomas** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 / 4 p.: ill  
<https://doi.org/10.1109/BEC.2018.8600982>

### Transforming a set of nonlinear input-output equations into Popov form

Bartosiewicz, Zbigniew; **Kotta, Ülle**; Pawluszewicz, Ewa; **Tönso, Maris**; Wyrwas, Małgorzata 2015 54th IEEE Conference on Decision and Control (CDC) : date: 15-18 Dec. 2015 2015 / p. 7131 - 7136 <https://doi.org/10.1109/CDC.2015.7403344> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)