

## **Radovi u međunarodnim časopisima** (zaključno sa 12.01.2018)

### **I) Radovi u vrhunskom međunarodnom časopisu (kategorija M21a=10p)**

1. **Z.V.Despotovic**, Z.V.Stojiljkovic, "Power Converter Control Circuits for Two-Mass Vibratory Conveying System with Electromagnetic Drive: Simulations and Experimental Results", IEEE Transactions on Industrial Electronics, Vol.54, Issue I, pp.453-466, February 2007. **(IF=2.216)**

2. A.I.Ribic, **Z.V.Despotovic**, "High Performance Feedback Control of Electromagnetic Vibratory Feeder", IEEE Transactions on Industrial Electronics, Vol.57, Issue IX, pp.3087-3094, September 2010. **(IF=3.481)**

3.J.D.Bobic, M.Ivanov, N.I.Ilic, A.S.Dzunuzovic, M.M. Vijatovic Petrovic, J.Banys, A.Ribic, **Z.Despotovic**, B.D.Stojanovic, "PZT-nickel ferrite and PZT-cobalt ferrite comparative study: Structural, dielectric, ferroelectric and magnetic properties of composite ceramics", Ceramics International, Vol 44., Issue 6, pp. 6551-6557, 15 April 2018. **(IF=2.986)**

<https://doi.org/10.1016/j.ceramint.2018.01.057>, In Press. ISSN: 0272-8842

Available online 9 January 2018:

<http://www.sciencedirect.com/science/article/pii/S0272884218300695>

### **II) Radovi u vrhunskom međunarodnom časopisu (kategorija M21=8p)**

1. K. Addi, **Z. Despotovic**, D. Goeleven, A. Rodic, "Modelling and Analysis of a Non-Regular Electronic Circuits Via a Variational Inequality Formulation", Applied Mathematical Modeling, Vol.35., Issue 5, pp.2172-2184, May 2011. **(IF=1.579)**

2. A.Radojković, S.M.Savić, N.Jović, J.Ćirković, **Ž.Despotović**, A.Ribić, Z.Branković, G.Brankovic, "Structural and electrical properties of BaCe<sub>0.9</sub>Eu<sub>0.1</sub>O<sub>2.95</sub> electrolyte for IT-SOFCs", Electrochimica Acta, Vol.161, pp.153-158, March 2015, [doi:10.1016/j.electacta.2015.02.075](https://doi.org/10.1016/j.electacta.2015.02.075), **(IF=4.504)**

3. **Z.V.Despotovic**, Dj.Urukalo, M.Lecic, A.Cosic, "Mathematical modelling of resonant linear vibratory conveyor with electromagnetic excitation: simulations and experimental results", Applied Mathematical Modeling, ISSN: 0307-904X, Vol.41, No.1, pp.1-24, January 2017, **(IF=2.291)**, <http://dx.doi.org/10.1016/j.apm.2016.09.010>

### **III) Radovi u istaknutom međunarodnom časopisu (kategorija M22=5p)**

1. **Z. Despotovic**, A. Ribic, V.Sinik, "Power Current Control of a Resonant Vibratory Conveyor Having Electromagnetic Drive", Journal of Power Electronics, Vol.12, No.4, pp.678-689, July 2012. **(IF=0.783)**

### **IV) Radovi u međunarodnom časopisu (kategorija M23=3p)**

1. **Z. V.Despotovic**, V.Sinik "The Simulations and Experimental Results of Dynamic Behaviour of Torque Motor Having Permanent Magnets", Journal of Electrical Engineering, ISSN 1335-3632, Vol.66, No.2, pp.92-102, April 2015. **(IF=0.539)**

2. S.Srdic, **Z.Despotovic**, "A Buck-Boost Converter Modified to Utilize 600V GaN Power Devices in a PV Application Requiring 1200V Devices", Advances in Electrical and Computer Engineering, ISSN 1582-7745, Vol.15, No.3, pp.59-64, August 2015. **(IF=0.53)**.

3. V.Sinik, **Z.V.Despotovic**, I.Palinkas, "Optimization of the Operation and Frequency Control of Electromagnetic Vibratory Feeder", Elektronika ir Elektrotechnika, ISSN 1392-1215, Vol.26, No.1, pp.24-30, February 2016. **(IF=0.561)**.

4. V.Sinik, **Z.V.Despotovic**, I.Palinkas, "Improved power supply performance of vibratory conveyor drives", Elektronika ir Elektrotechnika, ISSN 1392-1215, Vol.22, No.6, pp.3-9, December 2016 **(IF=0.561)**.

5. P.Misljen, **Z.V.Despotovic**, M.Matijevic, "Modeling and Control of Bulk Material Flow on the Electromagnetic Vibratory Feeder", Automatika: Journal for Control, Measurement, Electronics, Computing and Communications, Vol.57., Issue 4, pp.936-947, December 2016, ISSN: 0005-1144 **(IF= 0.311)** , LINK: <https://doi.org/10.7305/automatika.2017.03.1766>

6. P.Misljen, M.Tanaskovic, Z.Despotovic, M.Matijevic, „Controlling Electromagnetic Vibrating Feeder by Using a Model Predictive Control Algorithm“, Interciencia Journal, Vol.43, No.10, pp. 31-47, ISSN 0378-1844, 2018. **(IF= 0.286)**  
[http://is.fink.rs/podaci/Milan\\_Matijevic/50/PMisljen%20et%20all.pdf](http://is.fink.rs/podaci/Milan_Matijevic/50/PMisljen%20et%20all.pdf)  
<http://intercienciajournal.com/interciencia/index.php/pdf/stream/ONDe3/1537771995>

#### **V) Radovi u časopisima međunarodnog značaja verifikovanih posebnom odlukom (kategorija M24=3p)**

1. **Z. V.Despotovic** , M.Lecic, M.Jovic, A.Djuric " Vibration Control of Resonant Vibratory Feeders With Electromagnetic Excitation ", Journal FME Transactions, Vol.42, No.4, pp.281-289, December 2014. **(IF=0.28)**

#### **VI) Radovi u međunarodnim časopisima van SCI liste**

1. **Z. Despotovic** , A. Ribic, "The Increasing Energy Efficiency of the Vibratory Conveying Drives with Electromagnetic Excitation", International Journal of Electrical and Power Engineering, Vol.6(1), pp.38- 42, April 2012.

2. **Z. V.Despotovic** , A.M. Pavlovic, J.Radakovic, " Using Regulated Drive of Vibratory Screens with Unbalanced Motors ", Journal of Mechatronics, Automation and Identification Technology, ISSN(Online)2466-3603, Vol.1, No.3, pp.20-25, 2016.  
[http://jma.it.org/wp-content/uploads/2016/11/Despotovic-Pavlovic-Radakovic-Infotech\\_V1-I3.pdf](http://jma.it.org/wp-content/uploads/2016/11/Despotovic-Pavlovic-Radakovic-Infotech_V1-I3.pdf)

3. **Z. V.Despotovic** , Dj.Urukalo, A.I.Ribic, "Hardware and Software Implementations of Measuring System for Resonant Electromagnetic Vibratory Conveyor", International Journal of Electrical Engineering and Computing, Vol. 1, No. 1 (2017), DOI: 10.7251/IJEEC1701021D, e-ISSN: 2566-3682.  
LINK: <http://www.ijeec.org/index.php/ijeec/article/view/9/6>