

LISTA LUCRĂRILOR PUBLICATE

I. Lucrări în publicații indexate Scientific & Technical Proceedings of Thomson Scientific - Institute for Scientific Information (ISI). ISI Web of Knowledge

-
1. **Marian TRUȚĂ**, Marin MARINESCU, Valentin VÎNTURIȘ, *Influence of the drawbar pull over the power flux within the automotive transmissions*, 7th International Conference on Advanced Concepts in Mechanical Engineering (ACME 2016), IOP Conf. Series: Materials Science and Engineering 147 (2016) 012131 doi:10.1088/1757-899X/147/1/012131, Iași România, 2016, ISI Web of Science, Thomson Reuters
 2. **TRUTA Marian**, VASILE Valentina, PUNCIOIU Alin, *The influence of the loop power-flow on the tires' life span of a vehicle*, Emerging Markets Queries in Finance and Business 2014, Procedia Economics and Finance, vol. 32, pp. 891-898, DOI: 10.1016/S2212-5671(15)01540-3, ISI Web of Science, Thomson Reuters
 3. **Marian TRUȚĂ**, Marin MARINESCU, Radu VILĂU, Octavian FIERARU, *Longitudinal loop power flow analysis on a 4x4 transmission vehicle taking into consideration the running track type – ModTech International Conference - Modern Technologies in Industrial Engineering*, 27-29 June 2013, Mara Hotel, Sinaia, Romania, acceptet to publish în Advanced Material Research Publications vol. 837 – Modern Technologies in Industrial Engineering, Scientific & Technical Proceedings of Thomson Scientific - Institute for Scientific Information (ISI). ISI Web of Knowledge
 4. **Marian TRUȚĂ**, Octavian FIERARU, Radu VILĂU, Valentin VÎNTURIȘ, Marin MARINESCU, *Static and dynamic analysis of a planetary gearbox working process – ModTech International Conference - Modern Technologies in Industrial Engineering*, 27-29 June 2013, Mara Hotel, Sinaia, Romania, acceptet to publish în Advanced Material Research Publications vol. 837 – Modern Technologies in Industrial Engineering, Scientific & Technical Proceedings of Thomson Scientific - Institute for Scientific Information (ISI). ISI Web of Knowledge
 5. Marin MARINESCU, Radu VILĂU, **Marian TRUȚĂ**, Octavian FIERARU, *A method to obtain a generalized model of the pressure evolution within the braking system of a vehicle – ModTech International Conference - Modern Technologies in Industrial Engineering*, 27-29 June 2013, Mara Hotel, Sinaia, Romania, acceptet to publish în Advanced Material Research Publications vol. 837 – Modern Technologies in Industrial Engineering and International Journal of Modern Manufacturing Technologies, ISSN 2067–3604, Vol. V, No. 1 / 2013, Scientific & Technical Proceedings of Thomson Scientific - Institute for Scientific Information (ISI). ISI Web of Knowledge
 6. Marin MARINESCU, Radu VILĂU, Valentin VÎNTURIȘ, **Marian TRUȚĂ**, Octavian FIERARU, *Theoretical and data-based mathematical model of a special vehicle braking system – ModTech International Conference - Modern Technologies in Industrial Engineering*, 27-29 June 2013, Mara Hotel, Sinaia, Romania, acceptet to

publish în Advanced Material Research Publications vol. 837 – Modern Technologies in Industrial Engineering, Scientific & Technical Proceedings of Thomson Scientific - Institute for Scientific Information (ISI). ISI Web of Knowledge

7. Florin-Marius MILITARU, **Marian TRUȚĂ**, Alin PUNCIOIU, *Experimental research on the impact of technical condition of lambda sensors on engine vehicles emissions - ModTech 2012 – The 16th International Conference - Modern Technologies, Quality and Innovation Volume II*, Iași – Chișinău – Belgrad, ModTech Publishing House, Sinaia 24 – 26 May 2012, pp. 581 – 584, WOS: 000392261800146, ISSN: 2069-6736, Scientific & Technical Proceedings of Thomson Scientific - Institute for Scientific Information (ISI). ISI Web of Knowledge

II. Lucrări în reviste indexate B+ CNCISIS

8. **Marian TRUȚĂ**, PUNCIOIU Alin, Marin MARINESCU, Valentin VÎNTURIȘ, *The Influence of the Road's Drag on the Loop Power-Flow of a 4x4 Inter-Axle Automobile's Transmission*, MTA REVIEW, Vol. XXV, No. 3, pp. 391-396, Sep. 2015,
http://www.journal.mta.ro/index.php?m=volumes&id_volum=33&id_articol=238
9. PUNCIOIU Alin, AMADO-GEORGE Ștefan, **Marian TRUȚĂ**, Ioan VEDINAȘ, *The Study of Special Vehicle Braking System Mechanical Stress*, MTA REVIEW, Vol. XXV, No. 3, pp. 359-368, Sep. 2015,
http://www.journal.mta.ro/index.php?m=volumes&id_volum=33&id_articol=235
10. **TRUȚĂ Marian**, PUNCIOIU Alin, VÎNTURIȘ Valentin, *Road's drag influence on self-generated torque of transmission*, MTA REVIEW/ Vol. XXIV, No. 2, pp. 91-98, Jun.2014/http://www.journal.mta.ro/index.php?m=volumes&id_volum=28&id_articol=186
11. **Marian TRUȚĂ**, Marin MARINESCU, Valentin VÎNTURIȘ, *Gauging a 4x4 automobile's transmission in order to reveal the loop power-flows – MTA REVIEW*, Vol. XXII, No. 1, Military Technical Academy Publishing House, Bucharest, March 2012, ISSN 1843-3391, B+ - ULRICHSWEB™, Cod CNCISIS 842

III. Lucrări indexate în baze de date internaționale (BDI)

12. PUNCIOIU Alin-Marian, **TRUȚĂ Marian**, VEDINAȘ Ioan, MARINESCU Marin, VÎNTURIȘ Valentin, *Analysis of heat conduction in a drum brake system of the wheeled armored personnel carriers*, Modern Technologies in Industrial Engineering (ModTech2015), IOP Conf. Series: Materials Science and Engineering 95 (2015) 012039 doi:10.1088/1757-899X/95/1/012039
13. PUNCIOIU Alin-Marian, VEDINAȘ Ioan, **TRUȚĂ Marian**, *Overheating analysis of the special vehicles braking systems*, Review of the Air Force Academy No 1 (28) 2015, pp. 133-138, ISSN 1842-9238;e-ISSN 2069-4733

14. PUNCIOIU Alin-Marian, **TRUȚĂ Marian**, MARINESCU Marin, GROSU Dănuț, VÎNTURIȘ Valentin, *Analyzing the uniformity of an automobile wheels' distribution of slipping and skidding*, International Journal of Modern Manufacturing Technologies ISSN 2067–3604, Vol. VII, No. 2 / 2015
15. **TRUTA Marian**, MARINESCU Marin, ALEXA Octavian, VILAU Radu, VÎNTURIȘ Valentin, *Experimental Determination of the Cinematic Misfit within the Transmission of a 4x4 Vehicle that Leads to Self-Generated Torque along the Vehicle's Inter-Axle Driveline*, Applied Mechanics and Materials (Volume 659), pp. 262-267, DOI: 10.4028/www.scientific.net/AMM.659.262, 2014
16. **TRUTA Marian**, MARINESCU Marin, VILAU Radu, ALEXA Octavian, ILIE Constantin-Ovidiu, *Self-generated torque induced by the lockable and self-locking differentials within the 4wd drivetrain*, Applied Mechanics and Materials (Volume 659), pp. 268-273, DOI: 10.4028/www.scientific.net/AMM.659.268, <http://www.scientific.net/AMM.659.268>, 2014,
17. Alin-Marian PUNCIOIU, **Marian TRUȚĂ**, *Determine the parameters of the braking capacity of the special vehicles braking systems*, Review of the Air Force Academy No 3 (27) 2014
18. **Marian TRUȚĂ**, Mihail IACOB, *Power flow in the transmission of amphibious research armored carrier (TAB-C79) - equipment. Types of results obtained*, Esfa 2009 – The 8th International Conference Fuel Economy, Safety and Reliability of Motor Vehicles, University Politehnica of Bucharest, 12 – 14 November 2009, BDI – International Federation of Automotive Engineering Societies
19. Marin MARINESCU, Florin OLOERIU, **Marian TRUȚĂ**, *Some aspects regarding the self generated torque within the 4WD drivetrain*, Afases 2009 – Scientific Research and Education in the Air Force, Henri Coandă Air Force Academy Brașov, 20 – 22 May 2009, BDI – International Federation of Automotive Engineering Societies

IV. Lucrări susținute și publicate în Volumele Conferințelor Internaționale

-
20. Marin MARINESCU, Minu MITREA, **Marian TRUȚĂ**, *Analiza spectrală de ordin superior a semnalului unei mărimi mecanice măsurate în transmisia unui automobil. Modele matematice obținute prin identificare*, Ingineria Automobilului, vol. 7, nr. 4(29)/ 2013, ISSNp 1842-4074, ISSNe 2284 - 5690, pag. 20 - 24
 21. **Marian TRUȚĂ**, Marin MARINESCU, Valentin VÎNTURIȘ, *Multi-spectral analysis of the self generated torque's signal within a 4x4 automotive driveline*, 5th International Conference "Computational Mechanics and Virtual Engineering " COMEC 2013 24- 25 October 2013, Brașov, Romania
 22. **Marian TRUȚĂ**, Alin PUNCIOIU, Marin MARINESCU, *Some aspects of the loop power – flows within a 4x4 automobile's transmission* - KBO 2012 – The 18th International Scientific Conference Knowledge-Based Organization 14 – 16.06.2012 Conference Proceedings 3, "Nicolae Bălcescu" Land Forces Academy Publishing House - Sibiu, pp. 138 – 141, ISSN 1843-6722;

23. **Marian TRUȚĂ**, Dragoș COSTACHE, Marin MARINESCU, Valentin VÎNTURIȘ, Minu MITREA, *Considerations on power flow circulation when moving with a 4x4 vehicle that records differences in the wheels' rolling radii* – The 10th International Automotive Congress – CAR 2011, Automotive and Environment, University of Pitești, 02 – 04 November 2011;
24. **Marian TRUȚĂ**, Florin OLOERIU, *The Electronic Brake System* – The 33RD International Conference On Automotive Engineering – Off Road Vehicles ORV 2008, Military Technical Academy, 25 – 26 september 2008 Bucharest; ISBN 978-973-640-149-7
25. Florin OLOERIU; **Marian TRUȚĂ** , *Curent Solutions Developing Reduced Emission Vehicles* – The 32nd International Scientific Conference Of The Military Technical Academy – Modern Technologies In The 21st Century, 1-2 November 2007
26. **Marian TRUȚĂ**, *Interacțiunea Om, Autovehicul și Mediu* - Simpozionul Internațional Omul și Mediul, Universitatea „Politehnica” din Timișoara, 24 mai 2007; ISBN 978-973-687-555-7