LISTA PUBLICAŢIILOR REZULTATE ÎN URMA CERCETĂRII DOCTORALE, PUBLICATE SAU ACCEPTATE SPRE PUBLICARE, SUB AFILIERE UPT

Ing. *Cosmin Constantin SUCIU* student doctorand

1. Lucrări ştiinţifice publicate în reviste indexate Web of Science-WoS (ISI)

1. 1. C.C. Suciu, S.V. Igret, D. Ostoia, I. Ionel," Retrofitting Propulsion Systems for Sustainable Mobility: Integrating Future-Proof Technologies", *Applied Sciences, Vol.* 16, no. 2, id. 1006, 19 January 2026 (DOI 10.3390/app16021006) WOS:001670082200001
2. C.C. Suciu, S.V. Igret, I. Vetres, I. Ionel," Review of the Integration of Hybrid Electric Turbochargers for Mass-Produced Road Vehicles", *Energies, Vol.* 17, no. 6, id. 1484, 20 March 2024 (DOI 10.3390/en17061484) WOS:001191835700001
3. C.C. Suciu, V. Stoica, M. Ilie, I. Ionel, R. Ionel, "A Low-Cost IoT-Based Bidirectional Torque Measurement System with Strain Gauge Technology", Applied Sciences, Vol. 15, no. 15, id. 8158, 22 July 2025 (DOI 10.3390/app15158158) WOS:001549000400001
4. . C.C. Suciu, V. Stoica, M. Ilie, I. Ionel, "A NOVEL APPROACH TO REAL-TIME TORQUE MEASUREMENT THROUGH IOT-INTEGRATED STRAIN GAUGES AND NEURAL NETWORK CALIBRATION", ACTA TECHNICA, Vol. 68, pag. 285-292, 17 November 2025 WOS:001612666100012

2.

2. Lucrări ştiinţifice publicate în volumele unor manifestări ştiinţifice (Proceedings) indexate Web of Science-WoS (ISI) Proceedings

1. . Suciu, CC ; Stoica, V ; Igret, SV ; Ionel, I, "Effects of Retrofitting Diesel Engine Injector Nozzles, Focusing on Engine Performances", *Proceedings of the CONAT 2024 International Congress of Automotive and Transport Engineering PT ONE,* pp. 112–122, Proceedings in Automotive Engineering, 06-08 November 2024 (DOI 10.1007/978-3-031-77627-4_10) WOS:001462627900010

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3. Lucrări ştiinţifice publicate în reviste de specialitate indexate BDI (cu specificarea BDI)

1. C.C. Suciu, S.V. Igret, I. Ionel," Study of the influence on gas emissions by using hydrogen in a diesel engine", *IOP Conf. Ser.: Mater. Sci. Eng*. Vol. 1220, Issue 1, id. 012012, October 2021 (DOI 10.1088/1757-899X/1220/1/012012) WOS:001545221700012
2. C.C. Suciu, S.V. Igret, D. Ostoia, N. Lontis, I. Vetres, I. Ionel, "Is it possible to turn a diesel engine into a less pollutant device?", *IOP Conference Series: Earth and Environmental Science,*Vol. 960, Issue 1, id.012010, January 2022 (DOI: 10.1088/1755-1315/960/1/012010)
3. C.C. Suciu, S.V. Igret, D. Ostoia, I. Ionel, "Research regarding the effects of a diesel engine's control unit retrofitting, focussing on its performance and pollution", *IOP Conference Series: Materials Science and Engineering*, Volume 1235, Issue 1, id.012039, March 2022 (DOI: 10.1088/1757-899X/1235/1/012039)
4. C.C. Suciu, S.V. Igret, I. Ionel, " Research regarding water and methanol injection upon the physical parameters of emissions' concentration values on a compression ignition engine", *J. Phys.: Conf. Ser.,* Vol. 2540, Issue 1, id. 012007, May 2022 (DOI 10.1088/1742-6596/2540/1/012007)
5. C.C. Suciu, S.V. Igret, I. Ionel," Experimental for depicting the influence upon gaseous emissions of an Otto engine by using hydrogen as fuel addition", *IOP Conference Series Materials Science and Engineering* (DOI: 10.1088/1757-899x/1311/1/012009). WOS:001530989600009
6. C.C. Suciu, S.V. Igret, I. Ionel,"Experimental concerning the influence upon gaseous emissions by using HHO addition to an LPG powered Otto engine", *IOP Conference Series Materials Science and Engineering* (DOI: 10.1088/1757-899x/1311/1/012011). WOS:001530989600011

4. Lucrări ştiinţifice publicate în volumele unor manifestări ştiinţifice (Proceedings) indexate BDI (cu specificarea BDI)

1. C.C Suciu, I. Ionel," A Comparative Analysis of Fuels for Thermal Engines: Examination of Performance, Efficiency, and Environmental Impacts", ARA44 (*acceptată spre publicare*).
2.

5. Lucrări ştiinţifice publicate în volumele unor manifestări ştiinţifice internaţionale (Proceedings) din străinătate

1. C.C. Suciu, S.V. Igret, I. Ionel," Preliminary Research Concerning the Pollution Generated by a Diesel Engine in Order to Higher Its Performance", *Machine and Industrial Design in Mechanical Engineering*, Mechanisms and Machine Science, vol 109. Springer, Cham, February 2022 (DOI: 10.1007/978-3-030-88465-9_68)
2.

6. Lucrări ştiinţifice publicate în volumele unor manifestări ştiinţifice

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