ACADEMIA ROMÂNĂ
SCOSAAR

Anexa nr.3

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AVIZAT, Marcela Mihai Digitally signed by Marcela Mihai Date: 2024.11.18 14:34:30 +02'00'
Director ȘCOALA DOCTORALĂ DE ȘTIINŢE CHIMICE

1. Îndeplinirea standardelor IOSUD superioare standardelor minimale naţionale* [] DA| [] | NU

2. Îndeplinirea standardelor IOSUD egale standardelor minimale naţionale* [X] DA| [] | NU

FIŞA DE ÎNDEPLINIRE A STANDARDELOR IOSUD

FIŞA DE VERIFICARE
a îndeplinirii standardelor IOSUD

Candidat:Movileanu Codina

Data: 01.10.2024

ACADEMIA ROMÂNĂ
SCOSAAR

Anexa nr.3

Conditii generale:

Categorie habilitare	N_{max} (*)	FIC (**)	FIC_D (***)	FIC_{AP} (****)	FIC_{AC} (*****)	H index
Cerinte	50	100	70	50	25	13
Realizat	46	**126.91**	**121.11**	**62.119**	**32.079**	**18**

N_{max} (*) = numarul maxim de lucrari stiintifice selectate, organizate in ordine descrescatoare a factorilor de impact corespunzatori revistelor in care au fost publicate;
FIC (**) = factorul de impact cumulat minimal al revistelor in care s-au publicat lucrarile selectate
FIC_D (***) = factorul de impact cumulat minimal din publicatii in domeniile de cercetare declarate
FIC_{AP} (****)= factorul de impact cumulat minimal din publicatii in calitate de autor principal (prim autor si autor de corespondenta)
FIC_{AC} (*****)= factorul de impact cumulat minimal din publicatii in calitate de autor de corespondenta.

FIŞA DE VERIFICARE
a îndeplinirii standardelor minimale

Nr. crt	Lista lucrari	FIC	FIC_D	FIC_{AP}	FIC_{AC}
1.	**C. Movileanu**, V. Giurcan, D. Razus, A. M. Musuc, C. Hornoiu, P. Chesler, M. Mitu, Hydrogen influence on confined explosion characteristics of hydrocarbon-air mixtures at sub-atmospheric pressures, Intern. J. Hydrogen Energy, 67, 150–158, 2024, https://doi.org/10.1016/j.ijhydene.2024.04.128.	8.1	8.1	8.1	-
2.	V. Giurcan, **C. Movileanu***, M. Mitu, D. Razus, The impact of H2-enrichment on flame structure and combustion characteristic properties of premixed hydrocarbon-air flames, Fuel, 376, 132674, 2024, https://doi.org/10.1016/j.fuel.2024.132674.	6.7	6.7	6.7	6.7
3.	**C. Movileanu***, M. Mitu, V. Giurcan, D. Razus, D. Oancea, Quenching distances, minimum ignition energies and related properties of propane-air-diluent mixtures, Fuel, 274, 2020, 117836, https://doi.org/10.1016/j.fuel.2020.117836.	6.609	6.609	6.609	6.609
4.	**C. Movileanu**, M. Anghelache, M. Turtoi, G. Voicu, I.A. Neacsu, D. Ficai, R. Trusca, O. Oprea, A. Ficai, E.	5.8	-	5.8	-

	Andronescu*, M.Calin, Folic acid-decorated PEGylated magnetite nanoparticles as efficient drug carriers to tumor cells overexpressing folic acid receptor, International Journal of Pharmaceutics, 625, 2022, 122064, https://doi.org/10.1016/j.ijpharm.2022.122064.				
5.	D. Razus, M. Mitu, V. Giurcan, **C. Movileanu**, D. Oancea, Additive influence on maximum experimental safe gap of ethylene-air mixtures, Fuel, 237, 888-894, 2019, https://doi.org/10.1016/j.fuel.2018.10.071.	5.578	5.578	-	-
6.	D. Razus, **C. Movileanu***, D. Oancea, D., Additive influence on ignition of stoichiometric ethylene-air mixture by break sparks, Fuel 232, 134-140, 2018, https://doi.org/10.1016/j.fuel.2018.05.126.	5.128	5.128	5.128	5.128
7.	**C. Movileanu**, D. Razus, A. Musuc, D. Oancea, Additive influence on quenching distances and minimum ignition energies of ethylene-air mixtures, Fuel, 193, 401–410, 2017, https://doi.org/10.1016/j.fuel.2016.12.065.	4.908	4.908	4.908	-
8.	D. Razus, M. Mitu, V. Giurcan, **C. Movileanu**, D. Oancea, Methane-unconventional oxidant flames. Laminar burning velocities of nitrogen-diluted methane–N2 O mixtures, Process Safety and Environmental Protection, 114, 240-250, 2018, https://doi.org/10.1016/j.psep.2017.12.026.	4.384	4.384	-	-
9.	**C. Movileanu***, V. Giurcan, M. Mitu, D. Razus, D. Oancea, Ignition by Low-Voltage Electric Discharges of Diluted and Undiluted C3H8−Air Mixtures, Ind. Eng. Chem. Res., 60, 12123−12132, 2021, 10.1021/acs.iecr.1c02306.	4.326	4.326	4.326	4.326
10.	V. Giurcan, M. Mitu, **C. Movileanu**, D. Razus, Propagation Characteristics of Stoichiometric Inert-Diluted Methane-N2O Flames, Ind. Eng. Chem. Res., 61, 17065−17076, 2022, https://doi.org/10.1021/acs.iecr.2c03106.	4.2	4.2	-	-
11.	D. Razus , V. Brinzea , M. Mitu, **C. Movileanu**, D. Oancea, Temperature and pressure influence on maximum rates of pressure rise during explosions of propane-air mixtures in a spherical vessel, J. Hazard. Mat., 190 (1-3) , 891-896, 2011, https://doi.org/10.1016/j.jhazmat.2011.04.018.	4.173	4.173	-	-
12.	**C. Movileanu** , V. Gosa , D. Razus, Explosion of gaseous ethylene-air mixtures in closed cylindrical vessels with central ignition, J. Hazard. Mat., 235-236, 108-115, 2012, https://doi.org/10.1016/j.jhazmat.2012.07.028.	3.925	3.925	3.925	-
13.	V. Giurcan, D. Razus, M. Mitu, **C. Movileanu***, Dynamics of Pressure Variation in Closed Vessel Explosions of Diluted Fuel/Oxidant Mixtures, Processes, 10, 2726, 2022,	3.5	3.5	3.5	3.5

	https://doi.org/10.3390/pr10122726.				
14.	D. Razus, V. Giurcan, **C. Movileanu**, M. Mitu, Nitric Oxide Generation in N2-Diluted H2–N2O Flames: A Computational Study, Processes,10, 1032, 2022, https://doi.org/10.3390/pr10051032.	3.5	3.5	-	-
15.	**C. Movileanu,** D. Razus, D. Oancea, Additive effects on the rate of pressure rise for ethylene-air deflagrations in closed vessels, Fuel, 111, 194-200, 2013, https://doi.org/10.1016/j.fuel.2013.04.053.	3.406	3.406	3.406	-
16.	V. Giurcan, M. Mitu, **C. Movileanu**, D. Razus, D. Oancea, Propagation Velocity of Flames in Inert-Diluted Stoichiometric Propane-Air Mixtures: Pressure and Temperature Dependence, Processes, *9*(6), 997, 2021, https://doi.org/10.3390/pr9060997.	3.352	3.352	-	-
17.	V. Giurcan, **C. Movileanu**, A. Musuc, M. Mitu, Laminar Burning Velocity of Biogas-Containing Mixtures. A Literature Review, Processes, *9*(6), 996, 2021, https://doi.org/10.3390/pr9060996.	3.352	3.352	-	-
18.	M. Mitu, V. Giurcan, **C. Movileanu**, D. Razus, D. Oancea, Propagation of CH_4-N_2O-N_2 Flames in a Closed Spherical Vessel, Processes, 9*(*5), 851, 2021, https://doi.org/10.3390/pr9050851.	3.352	3.352	-	-
19.	M. Mitu, **C. Movileanu**, V. Giurcan, Deflagration Characteristics of N2-Diluted CH4-N2O Mixtures in the Course of the Incipient Stage of Flame Propagation, Energies 14(18), 5918, 2021, https://doi.org/10.3390/en14185918.	3.252	3.252	-	-
20.	**C. Movileanu**, M. Mitu, V. Giurcan, A state of the art on laminar burning velocities of H2-enriched n-C4H10-air mixtures, Energies, 16(14), 5536, 2023, https://doi.org/10.3390/en16145536.	3.2	3.2	3.2	-
21.	D. Razus, **C. Movileanu**, M. Mitu; V. Giurcan, Expansion coefficients and propagation speeds of premixed n-butane-air flames, Energies, 16(15), 5728 2023, https://doi.org/10.3390/en16155728.	3.2	3.2	-	-
22.	M. Mitu, **C. Movileanu**, V. Giurcan, Dynamics of Pressure Evolution during Gaseous Ethane—Air Mixture Explosions in Enclosures: A Review, Energies, 15(19), 6879, 2022, https://doi.org/10.3390/en15196879.	3.2	3.2	-	-
23.	M. Mitu, **C. Movileanu** and V. Giurcan , The Laminar Burning Velocities of Stoichiometric Methane–Air Mixture from Closed Vessels Measurements, Energies 15, 5058, 2022, https://doi.org/10.3390/en15145058.	3.2	3.2	-	-
24.	D. Razus, V. Brinzea, M. Mitu, **C. Movileanu,** D. Oancea, Burning velocity of propane-air mixtures from pressure-time records during explosions in a closed spherical vessel, Energy and Fuels, 26, 2, 901-909, 2012, https://doi.org/10.1021/ef201561r.	2.853	2.853	-	-

25.	V. Giurcan, M. Mitu, **C. Movileanu**, D. Razus, D. Oancea, Influence of inert additives on small-scale closed vessel explosions of propane-air mixtures, Fire Safety Journal, 111, 102939, 2020, https://doi.org/10.1016/j.firesaf.2019.102939.	2.764	2.764	-	-
26.	**C. Movileanu***, D. Razus, D. Oancea , Additive effects on the burning velocity of ethylene-air mixtures, Energy and Fuels, 25 (6) , pp. 2444-2451, 2011, https://doi.org/10.1021/ef200183h.	2.721	2.721	2.721	2.721
27.	D. Razus, **C. Movileanu**, D. Oancea, The rate of pressure rise of gaseous propylene-air explosions in spherical and cylindrical enclosures, J. Hazard. Mat., 139 (1), 1-8, 2007, https://doi.org/10.1016/j.jhazmat.2006.05.103.	2.337	2.337	-	-
28.	**C. Movileanu***, V. Gosa, D. Razus, Propagation of ethylene–air flames in closed cylindrical vessels with asymmetrical ignition, Process Safety and Environmental Protection, 96, 167–176, 2015, https://doi.org/10.1016/j.psep.2015.05.008.	2.078	2.078	2.078	2.078
29.	D. Razus, D. Oancea, V. Brinzea, M. Mitu, **C. Movileanu**, Experimental and computed burning velocities of propane-air mixtures, Energy Conversion and Management, 51 (12), 2979-2984, 2010, https://doi.org/10.1016/j.enconman.2010.06.041.	2.072	2.072	-	-
30.	D. Razus, **C. Movileanu**, V. Brinzea, D. Oancea, Explosion pressures of hydrocarbon-air mixtures in closed vessels, J. Hazard. Mat., 135 (1-3), 58-65, 2006, https://doi.org/10.1016/j.jhazmat.2005.10.061.	1.855	1.855	-	-
31.	D. Razus, **C. Movileanu**, V. Brinzea, D. Oancea, Closed vessel combustion of propylene-air mixtures in the presence of exhaust gas, Fuel, 86 (12-13) , 1865-1872, 2007, https://doi.org/10.1016/j.fuel.2006.12.009.	1.829	1.829	-	-
32.	V. Giurcan, M. Mitu, **C. Movileanu**, D. Razus, D. Oancea, Numerical study of laminar flame propagation in CH4-N2O-N2 at moderate pressures and temperatures, Combustion, Explosion, and Shock Waves, 58, 1, 22–33, 2022, https://doi.org/10.15372/FGV20220103.	1.2	1.2	-	-
33.	D. Razus, M. Molnarne, C. Movileanu, A. Irimia, Estimation of LOC (limiting oxygen concentration) of fuel-air-inert mixtures at elevated temperatures by means of adiabatic flame temperatures, Chemical Engineering and Processing: Process Intensification, 45 (3), 193-197, 2006, https://doi.org/10.1016/j.cep.2005.06.010.	1.129	1.129	-	-
34.	D. Razus, V. Brinzea, M. Mitu, **C. Movileanu**, D. Oancea, Inerting effect of the combustion products on the confined deflagration of liquefied petroleum gas-air mixtures, Journal of Loss Prevention in the Process	0.810	0.810	-	-

	Industries, 22 (4), 463-468, 2009, https://doi.org/10.1016/j.jlp.2009.03.002				
35.	**C. Movileanu*** , M. Mitu, V. Brinzea , A. Musuc , M. Mocanu , D. Razus , D. Oancea, Adiabatic flame temperature of fuel-air mixtures in isobaric and isochoric combustion processes, Revista de Chimie, 62 (4), 376-379, 2011.	0.599	0.599	0.599	0.599
36.	V. Brinzea, M. Mitu, **C. Movileanu,** D. Razus, D. Oancea, Deflagration parameters of stoichiometric propane-air mixture during the initial stage of gaseous explosions in closed vessels, Revista de Chimie, 62, 201-205, 2011.	0.599	0.599	-	-
37.	V. Brinzea, M. Mitu, **C. Movileanu,** A. Musuc, D. Razus, D. Oancea, Propagation velocities of propane-air deflagrations at normal and elevated pressures and temperatures, Revista de Chimie, 63, 3, 289-292, 2012.	0.538	0.538	-	-
38.	D. Razus, M. Mitu, **C. Movileanu**, V. Giurcan, Calculated Adiabatic Flame Temperature - a Tool for Ascertaining the Minimum Inert Concentration of Fuel-Nitrous Oxide-Inert Gaseous Mixtures, Rev. Roum. Chim., , 68(7-8), 321-326, 2023, DOI: 10.33224/rrch.2023.68.7-8.01	0.5	0.5	-	-
39.	D. Razus, D. Oancea, **C. Movileanu**, Burning velocity evaluation from pressure evolution during the early stage of closed-vessel explosions, Journal of Loss Prevention in the Process Industries, 19(4), 334-342, 2006, https://doi.org/10.1016/j.jlp.2005.08.001.	0.419	0.419	-	-
40.	**C. Movileanu *,** D. Razus, D. Oancea, Additive effects on explosion pressure and flame temperature of stoichiometric ethylene-air mixture in closed vessels, Rev. Roum. Chim., , 56(1), 11-17, 2011.	0.418	0.418	0.418	0.418
41.	D. Razus, M. Mitu, V. Giurcan, **C. Movileanu**, Laminar flame propagation in nitrogen-diluted stoichiometric H2-N2O mixtures - a numerical study, Rev. Roum. Chim. 66(3), 255-265, 2021.	0.410	0.410	-	-
42.	**C. Movileanu**, M. Mitu, D. Razus, V. Giurcan, D. Oancea, Propagation indexes of C2H4-N2O-N2 deflagrations in elongated closed vesels, Rev. Roum. Chim., 62, 4-5, 357-363, 2017.	0.370	0.370	0.370	-
43.	**C. Movileanu,** M. Mitu, V. Giurcan, A. Musuc, D. Razus, D. Oancea, Numerical study of diluent influence on burning velocity of acetylene-air mixtures, Rev. Roum. Chim., 57, 3, 215-222, 2012.	0.331	0.331	0.331	-
44.	D. Razus, M. Maria,V. Giurcan, **C. Movileanu**, D. Oancea, Numerical study of pressure and composition influence on laminar flame propagation in nitrogen-diluted H2-O2 mixtures, Rev. Roum. Chim., 65(6), pp. 529-537, 2020.	0.278	0.278	-	-
45.	V. Giurcan, M. Mitu, **C. Movileanu**, D. Razus,	0.246	0.246	-	-

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	Temperature, pressure and dilution effect on laminar burning velocity of propane-air, Rev. Roum. Chim., 61(6-7), pp. 517-524, 2016.				
46.	D. Razus, **C. Movileanu**, D. Oancea, Inhibition of premixed C3H6-air flames by CH 2BrCl, Rev. Roum. Chim., 51 (6), 533-539, 2006.	0.208	0.208	-	-
	Total	**126.91**	**121.11**	**62.119**	**32.079**

*Autor de corespondență

Data:

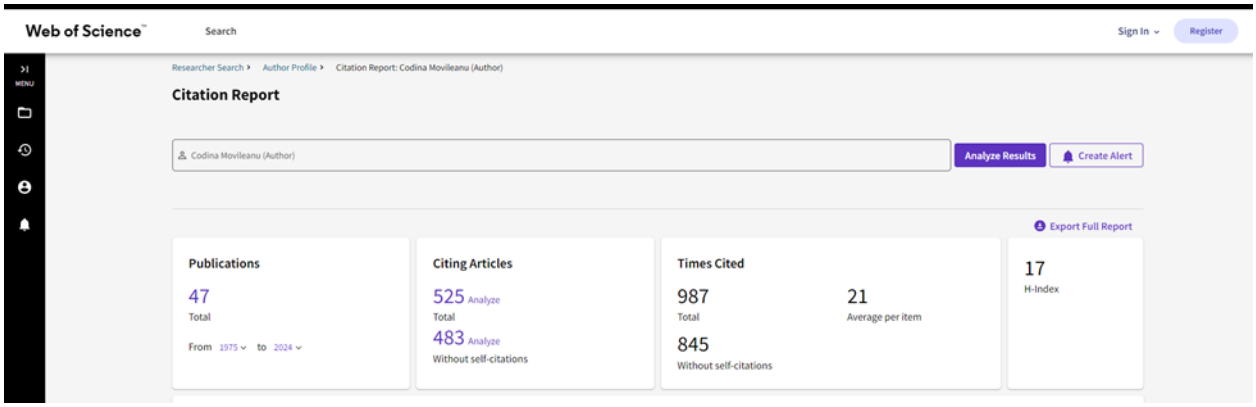
01.10.2024

Semnătura:

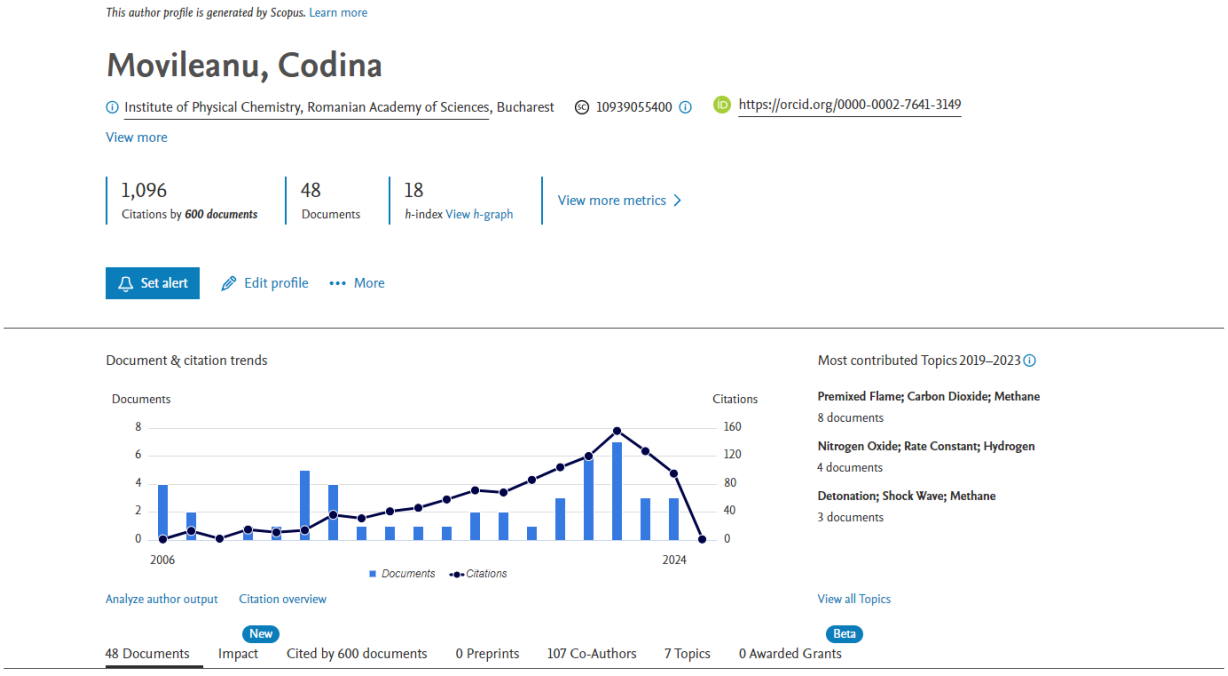
Anexa nr.3

ACADEMIA ROMÂNĂ
SCOSAAR

Web of Science H-index 17



Scopus H-index 18



Data:

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01.10.2024