

Domeniul: Inginerie chimică, inginerie medicală, știința materialelor și nanomateriale

CANDIDAT: Ciuparu Dragoș Mihael

Director departament

FIȘA DE VERIFICARE

a îndeplinirii standardelor prevăzute de OM nr. 6129 din 20 decembrie 2016 privind aprobarea standardelor minimale necesare și obligatorii pentru conferirea titlurilor didactice din învățământul superior, a gradelor profesionale de cercetare-dezvoltare, a calității de conducător de doctorat și a atestatăului de abilitare pentru prezentare la concurs pentru postul de **Director CSUD**

1. Studiile de doctorat

Nr. crt.	Instituția organizatoare de doctorat	D o m e n i u l	Perioada	Titlul științific acordat
1.	Universitatea Paris 7	Surfaces et interfaces, matériaux en évolution	1996-1999	Doctor
1.	Universitatea Petrol – Gaze din Ploiești	Inginerie chimică		Doctor inginer

2. Standarde minimale*

Profesor universitar

a) NTOP ≥ 4 ; b) NP ≥ 20 ; c) FIC ≥ 30 ; d) NC ≥ 120 ; e) NCO ≥ 1 (în calitate de Director proiect)

În acest caz în calculul FIC se ține seamă de factorul de impact al revistei la care candidatul a publicat un articol ca autor principal și respectiv de factorul de impact împărțit la numărul de autori pentru revistele în care candidatul a publicat un articol în care nu este autor principal

Brevetele naționale (FI = 1) și internaționale (FI = 3) intră în calculul FIC de la punctul c)

Se definesc:

NTOP = număr total de articole în reviste ISI situate în top 25% (zona roșie) în calitate de autor principal. Situația revistelor în top 25% se judecă pe cazul cel mai favorabil pentru candidat, fie la momentul publicării, fie la data înscrierii la concurs.

FIC = factor de impact cumulat (suma factorilor de impact ai revistelor la momentul înscrierii la concursul pentru ocuparea unei poziții didactice)

NP = număr articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență)

NC = număr total de citări (din baza SCOPUS) (se exclud autocitările candidatului)

NCO = număr contracte de cercetare-dezvoltare-inovare obținute prin competiție la nivel național sau internațional ori contracte de cercetare-dezvoltare-inovare cu terții în valoare minimă echivalentă cu 10.000 Euro

Articolele pentru calculul NTOP, FIC, NP, NC se vor lua în considerare numai dacă la data publicării revista era indexată ISI, iar la data înscrierii la concurs a candidatului articolele sunt vizibile în WoS sau dacă se prezintă ca reprinturi (inclusiv cu paginația revistei)

3. Îndeplinirea standardelor minimale

Criteriul	Nr. minim impus	Nr. realizat		
NTOP- număr total de articole în reviste ISI situate în top 25% (zona roșie) în calitate de autor principal.	4	18		
NP - număr articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondență)	20	30		
FIC - factor de impact cumulat (suma factorilor de impact ale revistelor la momentul înscrierii la concurs)	30	FIC din articole	FIC din brevete	FIC TOTAL
		107.35	5.29	112.64
NC - număr total de citări (din baza SCOPUS)	120	2426		

NCO - număr contracte de cercetare-dezvoltare-inovare obținute prin competiție la nivel național sau internațional ori contracte de cercetare-dezvoltare-inovare cu terții în valoare minimă echivalentă cu 10.000 Euro	1	7
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4. Tabel cu articole ISI (indicatorii NTOP, NP și FIC din articole ISI)

Nr. crt.	Autorii/titlul lucrării/titlul revistei/ /anul/vol/nr./pag. de la-până la/ISSN	Nr autori /prim autor/autor de corespondență	Factorul de impact al revistei	Factorul de impact ce revine candidatului
1	Tanasescu, C.; Ciuparu, D.; Florea, M./ Oils dewaxing with solvents in the presence of dewaxing additives/ Revista De Chimie/ 1998/, 49/, 9/593-597/ ISSN 0034-7752.	3/	0.677	0.226
2	Brayner, R.; Ciuparu, D.; da Cruz, G. M.; Fievet-Vincent, F.; Bozon-Verduraz, F./ Preparation and characterization of high surface area niobia, ceria-niobia and ceria-zirconia/ Catalysis Today/ 2000/, 57/, 3-4/, 261-266/ ISSN 0920-5861.	5/	3.309	0.661
3	Ciuparu, D.; Bensalem, A.; Pfefferle, L./ Pd-Ce interactions and adsorption properties of palladium: CO and NO TPD studies over Pd-Ce/Al ₂ O ₃ catalysts/ Applied Catalysis B-Environmental/ 2000/, 26/, 4/241-255/ ISSN 0926-3373.	3/Da	6.007	6.007
4	Ciuparu, D.; Ensuque, A.; Shafeev, G.; Bozon-Verduraz, F./ Synthesis and apparent bandgap of nanophase zirconia/ Journal of Materials Science Letters/ 2000/, 19/, 11/, 931-933/ ISSN 0261-8028.	4/ Da	0.711 (FI din 2005)	0.711
5	Tanasescu, C.; Ciuparu, D.; Rosca, P./ Criteria for solvent selection in the ketone-containing oils dewaxing/ Revista De Chimie/ 2000/, 51/, 9/, 680-686/ ISSN 0034-7752.	3/	0.677	0.225
6	Ciuparu, D.; Altman, E.; Pfefferle, L./ Contributions of lattice oxygen in methane combustion over PdO-based catalysts/ Journal of Catalysis/ 2001/, 203/, 1/, 64-74/ ISSN 0021-9517.	3/ Da	6.073	6.073
7	Ciuparu, D.; Katsikis, N.; Pfefferle, L./ Temperature and time dependence of the water inhibition effect on supported palladium catalyst for methane combustion/ Applied Catalysis A-General/ 2001/, 216/, 1-2/, 209-215/ ISSN 0926-860X.	3/Da	3.674	3.674
8	Ciuparu, D.; Pfefferle, L./ Methane combustion activity of supported palladium catalysts after partial reduction/ Applied Catalysis A-General/ 2001/, 218/, 1-2/, 197-209/ ISSN 0926-860X.	2/ Da	3.674	3.674
9	Ciuparu, D.; Pfefferle, L./ Support and water effects on palladium based methane combustion catalysts/ Applied	2/ Da	3.674	3.674

	Catalysis A-General/ 2001/, 209/, 1-2/, 415-428/ ISSN 0926-860X.			
10	Ciuparu, D.; Bozon-Verduraz, F.; Pfefferle, L./ Oxygen exchange between palladium and oxide supports in combustion catalysts/ Journal of Physical Chemistry B/ 2002/, 106/, 13/, 3434-3442/ ISSN 1520-6106.	3/ Da	3.377	3.377
11	Ciuparu, D.; Lyubovsky, M. R.; Altman, E.; Pfefferle, L. D.; Datye, A./ Catalytic combustion of methane over palladium-based catalysts/ Catalysis Reviews-Science and Engineering/ 2002/, 44/, 4/, 593-649/ ISSN 0161-4940.	5/ Da	6.875	6.875
12	Ciuparu, D.; Pfefferle, L./ Contributions of lattice oxygen to the overall oxygen balance during methane combustion over PdO-based catalysts/ Catalysis Today/ 2002/, 77/, 3/, 167-179/ ISSN 0920-5861.	2/ Da	3.309	3.309
13	Ciuparu, D.; Lim, S.; Chen, Y.; Dobek, F.; Harding, D.; Haller, G.; Pfefferle, L. Templated growth of single walled carbon nanotubes by CO disproportionation on cobalt incorporated MCM-41/ NANOTECH/ 2003, 3 / 112-115	7/ Da	0	0
14	Ciuparu, D.; Lim, S. Y.; Chen, Y.; Harding, D.; Haller, G. L.; Pfefferle, L./ Templated growth of carbon nanotubes in cobalt substituted MCM-41/ Abstracts of Papers of the American Chemical Society/ 2003/, 226/, U404/ ISSN 0065-7727.	6/ Da	0	0
15	Lim, S.; Ciuparu, D.; Pak, C.; Dobek, F.; Chen, Y.; Harding, D.; Pfefferle, L.; Haller, G./ Synthesis and characterization of highly ordered Co-MCM-41 for production of aligned single walled carbon nanotubes (SWNT)/ Journal of Physical Chemistry B/ 2003/, 107/, 40/, 11048-11056/ ISSN 1520-6106.	8/	3.377	0.422
16	McEnally, C. S.; Ciuparu, D. M.; Pfefferle, L. D./ Experimental study of fuel decomposition and hydrocarbon growth processes for practical fuel components: heptanes/ Combustion and Flame/ 2003/, 134/, 4/, 339-353/ ISSN 0010-2180.	3/	3.708	1.236
17	Onutu, I.; Ciuparu, D.; Filotti, L.; Russu, R./ The influence of remanent coke content on the performances of the additived cracking catalyst/ Revista De Chimie/ 2003/, 54/, 11/, 902-908/ ISSN 0034-7752.	4/	0.677	0.144
18	Chen, Y.; Ciuparu, D.; Lim, S.; Yang, Y. H.; Haller, G. L.; Pfefferle, L./ Synthesis of uniform diameter single wall carbon nanotubes in Co-MCM-41: effects of CO pressure and reaction time/ Journal of Catalysis/ 2004/, 226/, 2/, 351-362/ ISSN	6/	6.073	1.012

	0021-9517.			
19	Chen, Y.; Ciuparu, D.; Lim, S. Y.; Yang, Y. H.; Haller, G. L.; Pfefferle, L./ Synthesis of uniform diameter single-wall carbon nanotubes in Co-MCM-41: effects of the catalyst prereduction and nanotube growth temperatures/ Journal of Catalysis/ 2004/, 225/, 2/, 453-465/ ISSN 0021-9517.	6/	6.073	1.012
20	Ciuparu, D.; Chen, Y.; Lim, S.; Haller, G. L.; Pfefferle, L./ Uniform diameter single walled carbon nanotubes catalytically grown in cobalt-incorporated MCM-41 (vol 108B, pg 505, 2004)/ Journal of Physical Chemistry B/ 2004/, 108/, 28/, 10196/ ISSN 1520-6106.	5/ Da	3.377	3.377
21	Ciuparu, D.; Chen, Y.; Lim, S.; Haller, G. L.; Pfefferle, L./ Optimizing synthesis conditions to control the properties of single wall carbon nanotubes grown in CO-MCM-41 catalysts/ Abstracts of Papers of the American Chemical Society/ 2004/, 227/, U874/ ISSN 0065-7727.	5/ Da	0	0
22	Ciuparu, D.; Chen, Y.; Lim, S.; Haller, G. L.; Pfefferle, L./ Uniform-diameter single-walled carbon nanotubes catalytically grown in cobalt-incorporated MCM-41/ Journal of Physical Chemistry B/ 2004/, 108/, 2/, 503-507/ ISSN 1520-6106.	5/ Da	3.377	3.377
23	Ciuparu, D.; Chen, Y.; Lim, S.; Yang, Y. H.; Haller, G. L.; Pfefferle, L./ Mechanism of cobalt cluster size control in Co-MCM-41 during single-wall carbon nanotubes synthesis by CO disproportionation/ Journal of Physical Chemistry B/ 2004/, 108/, 40/, 15565-15571/ ISSN 1520-6106.	6/ Da	3.377	3.377
24	Ciuparu, D.; Chen, Y.; Lim, S. Y.; Haller, G. L.; Pfefferle, L./ Synthesis and characterization of uniform diameter single walled carbon nanotubes in CO-MCM-41/ Abstracts of Papers of the American Chemical Society/ 2004/, 227/, U285/ ISSN 0065-7727.	5/ Da	0	0
25	Ciuparu, D.; Klie, R. F.; Zhu, Y. M.; Pfefferle, L./ Synthesis of pure boron single-wall nanotubes/ Journal of Physical Chemistry B/ 2004/, 108/, 13/, 3967-3969/ ISSN 1520-6106.	4/ Da	3.377	3.377
26	Ciuparu, D.; Perkins, E.; Pfefferle, L./ In situ DR-FTIR investigation of surface hydroxyls on gamma-Al ₂ O ₃ supported PdO catalysts during methane combustion/ Applied Catalysis A-General/ 2004/, 263/, 2/, 145-153/ ISSN 0926-860X.	3/ Da	3.674	3.674
27	Klie, R. F.; Ciuparu, D.; Pfefferle, L.; Zhu, Y./ Multi-walled carbon nanotubes	4/	6.160	1.54

	on amorphous carbon films/ Carbon/ 2004/, 42/, 10/, 1953-1957/ ISSN 0008-6223.			
28	Lim, S.; Ciuparu, D.; Chen, Y.; Pfefferle, L.; Haller, G./ Formation of size controllable ultra fine cobalt clusters on CO-MCM-41/ Abstracts of Papers of the American Chemical Society/ 2004/, 227/, U873/ ISSN 0065-7727.	5/	0	0
29	Lim, S.; Ciuparu, D.; Chen, Y.; Pfefferle, L.; Haller, G. L./ Effect of Co-MCM-41 conversion to cobalt silicate for catalytic growth of single wall carbon nanotubes/ Journal of Physical Chemistry B/ 2004/, 108/, 52/, 20095-20101/ ISSN 1520-6106.	5/	3.377	0.675
30	Lim, S.; Ciuparu, D.; Chen, Y.; Pfefferle, L.; Haller, G. L./ Radius of curvature effect of Co-MCM-41 on the size of single-walled. carbon nanotubes/ Abstracts of Papers of the American Chemical Society/ 2004/, 227/, U311/ ISSN 0065-7727.	5/	0	0
31	Amama, P. B.; Lim, S.; Ciuparu, D.; Pfefferle, L.; Haller, G. L./ Synthesis of highly ordered MCM-41: Engineering of pore size and optimization of silica ratios/ Abstracts of Papers of the American Chemical Society/ 2005/, 230/, U2228/ ISSN 0065-7727.	5/	0	0
32	Amama, P. B.; Lim, S.; Ciuparu, D.; Pfefferle, L.; Haller, G. L./ Hydrothermal synthesis of MCM-41 using different ratios of colloidal and soluble silica/ Microporous and Mesoporous Materials/ 2005/, 81/, 1-3/, 191-200/ ISSN 1387-1811.	5/	3.209	0.642
33	Amama, P. B.; Lim, S.; Ciuparu, D.; Yang, Y. H.; Pfefferle, L.; Haller, G. L./ Synthesis, characterization, and stability of Fe-MCM-41 for production of carbon nanotubes by acetylene pyrolysis/ Journal of Physical Chemistry B/ 2005/, 109/, 7/, 2645-2656/ ISSN 1520-6106.	6/	3.377	0.563
34	Chen, Y.; Ciuparu, D.; Yang, Y. H.; Lim, S.; Wang, C.; Haller, G. L.; Pfefferle, L. D./ Single-wall carbon nanotube synthesis by CO disproportionation on nickel-incorporated MCM-41/ Nanotechnology/ 2005/, 16/, 7/, S476-S483/ ISSN 0957-4484.	7/	3.672	0.525
35	Ciuparu, D.; Haider, P.; Fernandez-Garcia, M.; Chen, Y.; Lim, S.; Haller, G. L.; Pfefferle, L./ X-ray absorption spectroscopic investigation of partially reduced cobalt species in Co-MCM-41 catalysts during synthesis of single-wall carbon nanotubes/ Journal of Physical Chemistry B/ 2005/, 109/, 34/, 16332-16339/ ISSN 1520-6106.	7/ Da	3.377	3.377

36	Gherasimova, M.; Su, J.; Cui, G.; Ren, Z. Y.; Jeon, S. R.; Han, J.; He, Y.; Song, Y. K.; Nurmikko, A. V.; Ciuparu, D.; Pfefferle, L. , A nanocluster route to zero- and one-dimensional quantum structures by MOCVD, In <i>Physica Status Solidi C - Conferences and Critical Reviews</i> , Vol 2, No 7; Stutzmann, M., Ed. 2005; Vol. 2, p 2361-2364	11/	0	0
37	Haider, P.; Chen, Y.; Lim, S.; Haller, G. L.; Pfefferle, L.; Ciuparu, D./ Application of the generalized 2D correlation analysis to dynamic near-edge X-ray absorption spectroscopy data/ <i>Journal of the American Chemical Society</i> / 2005/, 127/, 6/, 1906-1912/ ISSN 0002-7863.	6/Da	11.444	11.444
38	Haider, P.; Haller, G. L.; Pfefferle, L.; Ciuparu, D./ New approach to avoid erroneous interpretation of results derived from generalized two-dimensional correlation analysis for applications in catalysis/ <i>Applied Spectroscopy</i> / 2005/, 59/, 8/, 1060-1067/ ISSN 0003-7028.	4/Da	2.014	2.014
39	Li, Y.; Chen, Y.; Xiang, R.; Ciuparu, D.; Pfefferle, L. D.; Horwath, C.; Wilkins, J. A./ Incorporation of single-wall carbon nanotubes into an organic polymer monolithic stationary phase for mu-HPLC and capillary electrochromatography/ <i>Analytical Chemistry</i> / 2005/, 77/, 5/, 1398-1406/ ISSN 0003-2700.	7/	5.825	0.832
40	Lim, S.; Ciuparu, D.; Chen, Y.; Yang, Y. H.; Pfefferle, L.; Haller, G. L./ Pore curvature effect on the stability of Co-MCM-41 and the formation of size-controllable subnanometer Co clusters/ <i>Journal of Physical Chemistry B</i> / 2005/, 109/, 6/, 2285-2294/ ISSN 1520-6106.	6/	3.377	0.563
41	Lim, S.; Yang, Y. H.; Ciuparu, D.; Wang, C.; Chen, Y.; Pfefferle, L.; Haller, G. L./ The effect of synthesis solution pH on the physicochemical properties of Co substituted MCM-41/ <i>Topics in Catalysis</i> / 2005/, 34/, 1-4/, 31-40/ ISSN 1022-5528.	7/	2.220	0.317
42	Pfefferle, L.; Haller, G.; Chen, Y.; Ciuparu, D.; Lim, S.; Yang, Y. H./ Mechanism study on cobalt cluster size control in Co-MCM-41 during single wall carbon nanotubes synthesis by Co disproportionation/ <i>Abstracts of Papers of the American Chemical Society</i> / 2005/, 229/, U910/ ISSN 0065-7727.	6/	0	0
43	Su, J.; Cui, G.; Gherasimova, M.; Tsukamoto, H.; Han, J.; Ciuparu, D.; Lim, S.; Pfefferle, L.; He, Y.; Nurmikko, A. V.; Broadbridge, C.; Lehman, A./ Catalytic growth of group III-nitride nanowires and nanostructures by metalorganic chemical vapor deposition/ <i>Applied Physics Letters</i> / 2005/, 86/,	12/	3.515	0.293

	1/013105/ ISSN 0003-6951.			
44	Su, J.; Gherasimova, M.; Cui, G.; Han, J.; Lim, S.; Ciuparu, D.; Pfefferle, L.; He, Y.; Nurmikko, A. V.; Broadbridge, C.; Lehman, A.; Onuma, T.; Kurimoto, M.; Chichibu, S. F. In GaN, AlN, InN and Their Alloys; Wetzel, C., Gil, B., Kuzuhara, M., Manfra, M., Vapor-liquid-solid growth of III-Nitride nanowires and heterostructures by metal-organic chemical vapor deposition/ MATERIALS RESEARCH SOCIETY SYMPOSIUM PROCEEDINGS Eds. 2005; Vol. 831, p 753-758	14/	0	0
45	Yang, Y. H.; Lim, S.; Du, G. A.; Chen, Y.; Ciuparu, D.; Haller, G. L./ Synthesis and characterization of highly ordered Ni-MCM-41 mesoporous molecular sieves/ Journal of Physical Chemistry B/ 2005/, 109/, 27/, 13237-13246/ ISSN 1520-6106.	6/	3.377	0.563
46	Chen, Y.; Ciuparu, D.; Lim, S.; Haller, G. L.; Pfefferle, L. D./ The effect of the cobalt loading on the growth of single wall carbon nanotubes by CO disproportionation on Co-MCM-41 catalysts/ Carbon/ 2006/, 44/, 1/, 67-78/ ISSN 0008-6223.	5/	6.160	1.232
47	Yang, Y. H.; Lim, S.; Du, G. A.; Wang, C. A.; Ciuparu, D.; Chen, Y.; Haller, G. L./ Controlling of physicochemical properties of nickel-substituted MCM-41 by adjustment of the synthesis solution pH and tetramethylammonium silicate concentration/ Journal of Physical Chemistry B/ 2006/, 110/, 12/, 5927-5935/ ISSN 1520-6106.	7/	3.377	0.482
48	Chen, Y.; Wang, B.; Li, L. J.; Yang, Y. H.; Ciuparu, D.; Lim, S. Y.; Haller, G. L.; Pfefferle, L. D./ Effect of different carbon sources on the growth of single-walled carbon nanotube from MCM-41 containing nickel/ Carbon/ 2007/, 45/, 11/, 2217-2228/ ISSN 0008-6223.	8/	6.160	0.770
49	Chen, Y.; Wei, L.; Wang, B.; Lim, S. Y.; Ciuparu, D.; Zheng, M.; Chen, J.; Zoican, C.; Yang, Y. H.; Haller, G. L.; Pfefferle, L. D./ Low-defect, purified, narrowly (n,m)-dispersed single-walled carbon nanotubes grown from cobalt-incorporated MCM-41/ Acs Nano/ 2007/, 1/, 4/, 327-336/ ISSN 1936-0851.	11/	12.033	1.094
50	Ciuparu, D.; Ensuque, A.; Bozon-Verduraz, F./ Pd catalysts supported on MgO, ZrO ₂ or MgO-ZrO ₂ : Preparation, characterization and study in hexane conversion/ Applied Catalysis A-General/ 2007/, 326/, 2/, 130-142/ ISSN 0926-860X.	3/ Da	3.674	3.674
51	Lim, S.; Ciuparu, D.; Yang, Y. H.; Du, G. A.; Pfefferle, L. D.; Haller, G. L./ Improved synthesis of highly ordered Co-	6/	3.209	0.535

	MCM-41/ Microporous and Mesoporous Materials/ 2007/, 101/, 1-2/, 200-206/ ISSN 1387-1811.			
52	Lim, S. Y.; Wang, C.; Yang, Y. H.; Ciuparu, D.; Pfefferle, L.; Haller, G. L./ Evidence for anchoring and partial occlusion of metallic clusters on the pore walls of MCM-41 and effect on the stability of the metallic clusters/ Catalysis Today/ 2007/, 123/, 1-4/, 122-132/ ISSN 0920-5861.	6/	3.309	0.552
53	Ruxanda, G.; Stancu, M.; Vizireanu, S.; Dinescu, G.; Ciuparu, D./ Varieties of carbon nanostructures obtained by the AC arc discharge method/ Journal of Optoelectronics and Advanced Materials/ 2008/, 10/, 8/, 2047-2051/ ISSN 1454-4164.	5/	0.563	0.113
54	Mangourilos, V.; Bombos, D.; Juganaru, T.; Bolocan, I.; Bombos, M.; Ciuparu, D./ Etherification of Glycerol with Isobutene on Amberlyst 35 Ion Exchange Resin Catalyst in Presence of a Cationic Emulsifier/ Revista De Chimie/ 2009/, 60/, 12/, 1338-1342/ ISSN 0034-7752.	6/ Da	0.677	0.677
55	Bogatu, L.; Ciuparu, D.; Tanasescu, C./ Improving the Oxidation Stability and Biodegradability of Environmentally Friendly Lubricants/ Revista De Chimie/ 2010/, 61/, 10/, 1003-1006/ ISSN 0034-7752.	3/	0.677	0.226
56	Stancu, M.; Cursaru, D.; Manta, A. M.; Grigore, R.; Stamatina, I.; Ciuparu, D./ Synthesis of Single Walled Carbon Nanotubes (SWNT) by Chemical Vapour Deposition on MCM-41 Supported Ni Catalysts Obtained by Incorporation and Impregnation/ Revista De Chimie/ 2010/, 61/, 6/, 604-607/ ISSN 0034-7752.	6/	0.677	0.113
57	Bogatu, L.; Ciuparu, D.; Tanasescu, C./ ASSUMPTION REGARDING THE ACTION MECHANISM OF EXTREME PRESSURE ADDITIVES MIXED IN VEGETABLE OILS/ Journal of the Balkan Tribological Association/ 2011/, 17/, 4/, 597605/ ISSN 1310-4772.	3/	0.321	0.107
58	Cursaru, D. L.; Enescu, D.; Ciuparu, D./ Control of (n,m) Selectivity in Single Wall Carbon Nanotubes (SWNT) Growth by Varying the Co-Ni Ratio in Bimetallic Co-Ni-MCM 41 Catalysts/ Revista De Chimie/ 2011/, 62/, 8/, 792-798/ ISSN 0034-7752.	3/	0.677	0.226
59	Parvulescu, V. I.; Parvulescu, V.; Ciuparu, D.; Hardacre, C.; Garcia, H./ High-surface thermally stable mesoporous gallium phosphates constituted by nanoparticles as primary building blocks/ Journal of Catalysis/ 2011/, 278/, 1/, 111-122/ ISSN 0021-9517.	5/	6.073	1.215

60	Stancu, M.; Ruxanda, G.; Ciuparu, D.; Dinescu, A./ Purification of multiwall carbon nanotubes obtained by AC arc discharge method/ Optoelectronics and Advanced Materials-Rapid Communications/ 2011/, 5/, 8/, 846-850/ ISSN 1842-6573.	4/	0.449	0.112
61	Voicu, V.; Bolocan, I.; Ciuparu, D./ Synthesis and Characterization of Sulfonic Acid Catalysts Supported on Mesoporous Molecular Sieves/ Revista De Chimie/ 2011/, 62/, 12/, 1206-1212/ ISSN 0034-7752.	3/ Da	0.677	0.677
62	Jang, C. R.; Han, K. B.; Voicu, V.; Matei, V.; Ciuparu, D./ Impregnation of Catalytic Active Components in an Ammonia Solution During Granulation of Aluminium Hydroxide Gel by Sol-Gel Method in Hydrocarbon-Ammonia Moulding Column/ Revista De Chimie/ 2012/, 63/, 12/, 1301-1305/ ISSN 0034-7752.	5/	0.677	0.135
63	Jang, C. R.; Ruxanda, G.; Stancu, M.; Voicu, V.; Ciuparu, D./ Dependence of graphitic order of carbon nanostructures on AC and DC arc discharge methods and Ni content in thin electrode/ Optoelectronics and Advanced Materials-Rapid Communications/ 2012/, 6/, 1-2/, 62-67/ ISSN 1842-6573.	5/	0.449	0.090
64	Jimenez-Borja, C.; Brosda, S.; Matei, F.; Makri, M.; Delgado, B.; Sapountzi, F.; Ciuparu, D.; Dorado, F.; Valverde, J. L.; Vayenas, C. G./ Electrochemical promotion of methane oxidation on Pd catalyst-electrodes deposited on Y2O3-stabilized-ZrO2/ Applied Catalysis B-Environmental/ 2012/, 128/, 48-54/ ISSN 0926-3373.	10/	6.007	0.601
65	Matei, F.; Ciuparu, D.; Jimenez-Borja, C.; Dorado, F.; Valverde, J. L.; Brosda, S./ Electrochemical promotion of methane oxidation on impregnated and sputtered Pd catalyst-electrodes deposited on YSZ/ Applied Catalysis B-Environmental/ 2012/, 127/, 18-27/ ISSN 0926-3373.	6/	6.007	1.001
66	Peng-ont, S.; Praserthdam, P.; Matei, F.; Ciuparu, D.; Brosda, S.; Vayenas, C. G./ Electrochemical Promotion of Propane and Methane Oxidation on Sputtered Pd Catalyst-Electrodes Deposited on YSZ/ Catalysis Letters/ 2012/, 142/, 11/, 1336-1343/ ISSN 1011-372X.	6/	2.291	0.382
67	Schwartz, W. R.; Ciuparu, D.; Pfefferle, L. D./ Combustion of Methane over Palladium-Based Catalysts: Catalytic Deactivation and Role of the Support/ Journal of Physical Chemistry C/ 2012/, 116/, 15/, 8587-8593/ ISSN 1932-7447.	3/	4.835	1.612
68	Stancu, M.; Ruxanda, G.; Stanica, N.; Dinescu, A.; Nistor, L.; Ciuparu, D./ The	6/	0.449	0.075

	influence of the chemical treatment on the ferromagnetic behavior of carbon nanotubes synthesized using ferromagnetic catalyst/ Optoelectronics and Advanced Materials-Rapid Communications/ 2012/, 6/, 7-8/, 723/ ISSN 1842-6573.			
69	Voicu, V.; Bombos, D.; Bolocan, I.; Jang, C. R.; Ciuparu, D./ The Influence of the Character of Emulsifiers on the Performance of H(4)SiW(12)O(40 center dot)30H(2)O Heteropolyacid Catalyst in Glycerol Etherification with Isobutene/ Revista De Chimie/ 2012/, 63/, 2/, 200-204/ ISSN 0034-7752.	5/ Da	0.677	0.677
70	Matei, F.; Jimenez-Borja, C.; Canales-Vazquez, J.; Brosda, S.; Dorado, F.; Valverde, J. L.; Ciuparu, D./ Enhanced electropromotion of methane combustion on palladium catalysts deposited on highly porous supports/ Applied Catalysis B-Environmental/ 2013/, 132/, 80-89/ ISSN 0926-3373.	7/Da	6.007	6.007
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72	Vizireanu, S.; Dinescu, G.; Nistor, L. C.; Baibarac, M.; Ruxanda, G.; Stancu, M.; Ciuparu, D./ Stability of carbon nanowalls against chemical attack with acid solutions/ Physica E-Low-Dimensional Systems & Nanostructures/ 2013/, 47/, 59-65/ ISSN 1386-9477.	7/	1.856	0.265
73	Jang, C. R.; Matei, V.; Voicu, V.; Borcea, A.; Ciuparu, D./ Hydrodesulfurization of FCC Gasoline over Ni-Mo Catalyst supported on MCM-41/ Revista De Chimie/ 2014/, 65/, 12/, 1525-1529/ ISSN 0034-7752.	5/	0.677	0.135
74	Radu, S.; Ciuparu, D./ Modelling and Simulation of an Industrial Fluid Catalytic Cracking Unit/ Revista De Chimie/ 2014/, 65/, 1/, 113-119/ ISSN 0034-7752.	2/	0.677	0.339
75	Mangourilos, V.; Filotti, L.; Bolocan, I.; Ciuparu, D./Improving the catalytic performance of ion exchange resins in the etherification of glycerol with isobutene/Revista de Chimie/ 2016/67/, 5/, 929-934/ ISSN 0034-7752	4/Da	1.232	0.308
76	Kong, S.I.; Matei, D.; Cursaru, D.; Matei, V.; Ciuparu, D./ Characterization and Stability of Heteropolyacid Catalysts Supported on MCM-41 Materials Synthesized by Ultrasonic Irradiation/ Revista de Chimie /2017/, 68/, 1/, 101-	5/Da	1.412	0.282

	107/ ISSN 0034-7752.			
77	Kong, S.I.; Borcea, A.; Matei, V.; Ciuparu, D./ Assessing the Catalytic Potential of 12-tungstophosphoric Acid Supported on MCM-41 for the Gas Phase Etherification of Alcohols / Revista de Chimie/, 2017/, 68/, 7/, 1442-1448/ ISSN 0034-7752	4/Da	1.412	0.353
78	Kong, S.I.; Borcea, A.; Cursaru, D.; Ciuparu, D./ Kinetics of Gas Phase Synthesis of Ethyl-tert-butyl Ether (ETBE) on H3PW12O40/MCM-41 Catalyst/ Revista de Chimie/ 2018/, 69/, 11/, 3042-3047/ ISSN 0034-7752	4/Da	1.412	0.353
Indicatorul NTOP				18
Indicatorul NP				30
Indicatorul FIC (din articole)				107.35

5. Tabel cu brevete naționale și internaționale (indicatorul FIC din brevete)

Nr. crt.	Brevetul, autorii, titlul brevetului, instituția care l-a acordat, țara în care se află instituția, data acordării brevetului.	Tipul brevetului (național/ internațional)	Număr autori	Factorul de impact al brevetului	Factorul de impact ce revine candidatului
1	WO2005078814 (A2), PFEFFERLE LISA; CIUPARU DRAGOS - One-dimensional superconducting device for electron field emission device, comprises boron nanostructure impregnated with electron donor element, having specific diameter and superconductor transition temperature, Brevet triadic, US, EU, J, 25.08.2005	Internațional	2	3	1.5
2	EP1694887 (A2), PFEFFERLE LISA; CIUPARU DRAGOS; HAN JUNG; HALLER GARY - Production of gallium nitride nanostructure by exposing framework to gallium-containing reactant and nitrogen-containing reactant at predetermined temperature, Brevet triadic, US, EU, J, 30.08.2006	Internațional	4	3	0.75
3	EP1463853 (A1). PFEFFERLE LISA; HALLER GARY; CIUPARU DRAGOS - Production of single-wall carbon nanotubes involves flowing carbon-containing reactant over framework made of mesoporous siliceous structure with predetermined uniform pore size at predetermined temperature, Brevet triadic, US, EU, J, 6.10.2004	Internațional	3	3	1
4	US7,531,892, PFEFFERLE LISA; CIUPARU DRAGOS; Superconducting boron nanostructures, US, 12.05.2009	Internațional	3	2	1.5
5	US2009325790-A1, HALLER G, LIM S, CIUPARU D, CHEN Y, YANG Y,	International	3	7	0.43

	PFEFFERLE L, HALLER G L Production of ordered mesoporous oxide structure for chemical catalysis, particularly hydrocarbon reforming, by adding surfactant to aqueous solution containing source of silicon and metal ions, and maintaining pH level of the solution,				
6	RO125228-B1, AMIRA V C L, BOGATU I L, CIUPARU D M, CURSARU D L, LUCA M C, MARIN A G, PETRE I, TANASESCU C, CURSARU D, Eco-Friendly Lubricating Composition For Industrial Applications, Made Of Regenerable Starting Materials, OSIM, 2011	National	1	9	0.11
Indicatorul FIC (din brevete)					5.29

6. Tabel cu lista citărilor lucrărilor publicate¹ (indicatorul NC)

Nr. crt.	Lucrarea citată ²	Lucrarea care citează ²	Adresa web a lucrării care citează ³
1	Ciuparu, D.; Lyubovsky, M. R.; Altman, E.; Pfefferle, L. D.; Datye, A./ Catalytic combustion of methane over palladium-based catalysts/ Catalysis Reviews-Science and Engineering/ 2002/, 44/, 4/, 593/ ISSN 0161-4940.	Altman, E. I./ The reaction of propene with oxygen-covered Pd(1 0 0)/ <i>Surface Science</i> / 2003 /, 547/, 1-2/, 108/ ISSN 00396028 .	10.1016/j.susc.2003.10.010
2	Ciuparu, D.; Lyubovsky, M. R.; Altman, E.; Pfefferle, L. D.; Datye, A./ Catalytic combustion of methane over palladium-based catalysts/ Catalysis Reviews-Science and Engineering/ 2002/, 44/, 4/, 593/ ISSN 0161-4940.	Altman, E. I.; Tanner, R. E./ Using scanning tunneling microscopy to characterize adsorbates and reactive intermediates on transition metal oxide surfaces/ <i>Catalysis Today</i> / 2003 /, 85/, 2-4/, 101/ ISSN 09205861 .	10.1016/s0920-5861(03)00379-1
3	Ciuparu, D.; Lyubovsky, M. R.; Altman, E.; Pfefferle, L. D.; Datye, A./ Catalytic combustion of methane over palladium-based catalysts/ Catalysis Reviews-Science and Engineering/ 2002/, 44/, 4/, 593/ ISSN 0161-4940.	Cifà, F.; Dinka, P.; Viparelli, P.; Lancione, S.; Benedetti, G.; Villa, P. L.; Viviani, M.; Nanni, P./ Catalysts based on BaZrO ₃ with different elements incorporated in the structure I: BaZr(1-x)PdxO ₃ systems for total oxidation/ <i>Applied Catalysis B: Environmental</i> / 2003 /, 46/, 3/, 463/ ISSN 09263373	10.1016/s0926-3373(03)00272-8
4	Ciuparu, D.; Lyubovsky, M. R.; Altman, E.; Pfefferle, L. D.; Datye, A./ Catalytic combustion of methane over palladium-based catalysts/ Catalysis Reviews-Science and Engineering/ 2002/, 44/, 4/, 593/ ISSN 0161-4940.	Ibashi, W.; Groppi, G.; Forzatti, P./ Kinetic measurements of CH ₄ combustion over a 10% PdO/ZrO ₂ catalyst using an annular flow microreactor/ <i>Catalysis Today</i> / 2003 /, 83/, 1-4/, 115/ ISSN 09205861 .	10.1016/s0920-5861(03)00221-9

5	Ciuparu, D.; Lyubovsky, M. R.; Altman, E.; Pfefferle, L. D.; Datye, A./ Catalytic combustion of methane over palladium-based catalysts/ <i>Catalysis Reviews-Science and Engineering/ 2002/</i> , 44/, 4/, 593/ ISSN 0161-4940.	Sidwell, R. W.; Zhu, H.; Kibler, B. A.; Kee, R. J.; Wickham, D. T./ Experimental investigation of the activity and thermal stability of hexaaluminate catalysts for lean methane-air combustion/ <i>Applied Catalysis A: General/2003/</i> , 255/, 2/, 279/ ISSN 0926860X .	10.1016/s0926-860x(03)00566-0
6	Ciuparu, D.; Lyubovsky, M. R.; Altman, E.; Pfefferle, L. D.; Datye, A./ Catalytic combustion of methane over palladium-based catalysts/ <i>Catalysis Reviews-Science and Engineering/ 2002/</i> , 44/, 4/, 593/ ISSN 0161-4940.	Cant, N. W.; Chambers, D. C.; Yoshinaga, Y./ The high activity of palladium for the catalytic reduction of nitrous oxide by alkanes larger than methane/ <i>Catalysis Communications/2004/</i> , 5/, 10/, 625/ ISSN 15667367 .	10.1016/j.catcom.2004.08.004
7	Ciuparu, D.; Lyubovsky, M. R.; Altman, E.; Pfefferle, L. D.; Datye, A./ Catalytic combustion of methane over palladium-based catalysts/ <i>Catalysis Reviews-Science and Engineering/ 2002/</i> , 44/, 4/, 593/ ISSN 0161-4940.	Cimino, S.; Lisi, L.; Pirone, R.; Russo, G./ Dual-site Pd/perovskite monolithic catalysts for methane catalytic combustion/ <i>Industrial and Engineering Chemistry Research/2004/</i> , 43/, 21/, 6670/ ISSN 08885885 .	
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9	Ciuparu, D.; Lyubovsky, M. R.; Altman, E.; Pfefferle, L. D.; Datye, A./ Catalytic combustion of methane over palladium-based catalysts/ <i>Catalysis Reviews-Science and Engineering/ 2002/</i> , 44/, 4/, 593/ ISSN 0161-4940.	Gélin, P.; Urfels, L.; Boréave, A.; Primet, M.; Tena, E. 2004.	
10	Ciuparu, D.; Lyubovsky, M. R.; Altman, E.; Pfefferle, L. D.; Datye, A./ Catalytic combustion of methane over palladium-based catalysts/ <i>Catalysis Reviews-Science and Engineering/ 2002/</i> , 44/, 4/, 593/ ISSN 0161-4940.	Grunwaldt, J. D.; Caravati, M.; Hannemann, S.; Baiker, A./ X-ray absorption spectroscopy under reaction conditions: Suitability of different reaction cells for combined catalyst characterization and time-resolved studies/ <i>Physical Chemistry Chemical Physics/2004/</i> , 6/, 11/, 3037/ ISSN 14639076 .	10.1039/b403071k
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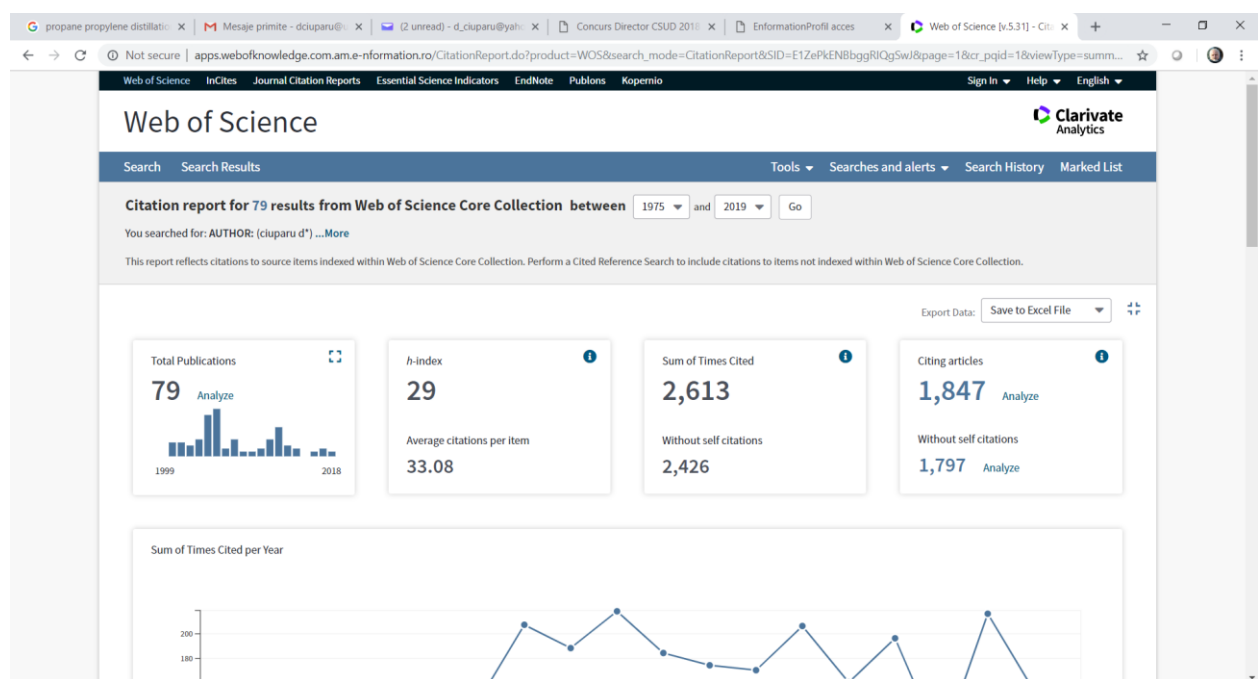
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3: Pentru cărți se trece adresa editurii care a publicat cartea.



6. Tabel cu contracte de cercetare-dezvoltare-inovare obținute prin competiție la nivel național sau internațional, ori contracte de cercetare-dezvoltare-inovare cu terții în valoare minimă echivalentă cu 10.000 Euro (indicator NCO)

Nr. contract - Contractor	Denumire temă	Beneficiar	Valoare contract
R831495/2003 – Yale Univeristy	Electrocatalysis for Environmentally Friendly Energy Production Systems	US Environmental Protection Agency	375 000 (USD) https://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/display.abstractDetail/abstract/6355
0335218/2003 – Yale University	Templated Synthesis of Boron Nanostructures	US National Science Foundation	83 000 (USD) https://www.nsf.gov/awards_earch/showAward?AWD_ID=0335218
3265/2005 - UPG	RACORD-CEEX Racordare la tendințe actuale în știinta procesării cu plasma	CERES	100 000 (RON)
3162/2005 - UPG	Materiale nanostructurate pentru studii de cataliza	UEFISCSU	330 750 (RON)
61/2007 - UPG	Sistem bioanalitic pentru detectia rezidu-urilor de pesticide din matrici complexe de alimente	CNMP	550 000 (RON)
62/2007 - UPG	Sursa de energie miniaturizata pentru electronica portabila obtinuta prin asamblarea 3D a unor micro- si nanosisteme hibride	CNMP	400 000 (RON)
63/2007 - UPG	Nanostructuri carbonice bidimensionale, sinteza in plasma si potential aplicativ	CNMP	300 000 (RON)

Data

07.01.2019

Candidat,

Prof. Dr.ing. Dragoș Ciuparu