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Fișa de îndeplinire a standardelor minimale stabilite de CNADTCU pentru abilitare
– comisia de CHIMIE –

Lista lucrărilor în ordinea descrescătoare a factorului de impact

1. Szőke, Á. F., **Szabó, G. S.**, Hórvölgyi, Z., Albert, E., Gaina, L., Muresan L. M.: Eco-friendly indigo carmine-loaded chitosan coatings for improved anticorrosion protection of zinc substrates, *Carbohydrate Polymers*, **2019**, 215, p. 63–72, (I.f. 12.5), <https://doi.org/10.1016/j.carbpol.2019.03.077>
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5. **Szabó, G.**, Albert, E., Both, J., Kócs, L., Sáfrán, Gy., Szőke, A., Hórvölgyi, Z., Mureșan, L. M.: Influence of embedded inhibitors on the corrosion resistance of zinc coated with mesoporous silica layers, *Surfaces and Interfaces*, **2019**, 15, p. 216–223, (I.f. 6.3), <https://doi.org/10.1016/j.surfin.2019.03.007>
6. Szőke, Á. F., **Szabó, G.**, Simó, Z., Hórvölgyi, Z., Albert, E., Muresan, L. M.: Chitosan coatings ionically cross-linked with ammonium paratungstate as anticorrosive coatings for zinc, *European Polymer Journal* **2019**, 118, p. 205-212, (I.f. 6.3) <https://doi.org/10.1016/j.eurpolymj.2019.05.057>
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8. Ovari, T.-R., Szőke, Á. F., Katona, G., **Szabó, G. S.**, Muresan, L. M.: Temporary Anti-Corrosive Double Layer on Zinc Substrate Based on Chitosan Hydrogel and Epoxy Resin, *Gels*, **2023**, 9(5), p. 361-375, (I.f. 5.3) <https://doi.org/10.3390/gels9050361>
9. Albert, E., Cotolan, N., Nagy, N., Sáfrán, Gy., **Szabó, G.**, Mureșan, L., Hórvölgyi, Z.: Mesoporous silica coatings with improved corrosion protection properties, *Microporous and Mesoporous Materials*, **2015**, 206, p. 102-113, (I.f. 4.7), <https://doi.org/10.1016/j.micromeso.2014.12.021>

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12. T.-R. Ovari, B. Trufan, G. Katona, **G. Szabó**, L. M. Muresan: Correlations between the anti-corrosion properties and the photocatalytic behavior of epoxy coatings incorporating modified graphene oxide deposited on a zinc substrate, *RSC Advances*, **2024**, 14, p 10826 (I.f. 4.6) <https://doi.org/10.1039/d4ra00413b>
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39. Varvari, L, **Szabo, G.**, Nicoara, A.E.: Kinetic investigation in Trolox-DPPH system, *Studia UBB Chemia*, **2010**, 55 (2), p. 189–197 (**I.f. 0.5**)
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Tabelul 1.

Nr. lucrare	Punctaje					
	FIC (2024)	FIC (an publicare)	FIC _D	FIC _{AP}	FIC _{AC}	Observații
1	12,5	7,182	12,5	-	-	Q1, Top 10
2	9,8	4,052	9,8	-	-	Q1, Top 10
3	8,5	7,7	8,5	8,5	8,5	Q1, TOP 10
4	8,5	6,953	8,5	-	-	Q1, TOP 10
5	6,3	3,724	6,3	6,3	-	Q1/Q2
6	6,3	3,862	6,3	-	-	Q1
7	5,3	5,0	5,3	5,3	5,3	Q1
8	5,3	5,0	5,3	5,3	5,3	Q1
9	4,7	3,349	4,7	-	-	Q2
10	4,7	4,6	4,7	4,7	4,7	Q2
11	4,6	4,6	4,6	4,6	4,6	Q2
12	4,6	4,6	4,6	4,6	4,6	Q2
13	4,5	4,5	4,5	4,5	4,5	Q2
14	3,6	3,6	3,6	3,6	3,6	Q1/Q2
15,	3,2	3,2	3,2	3,2	3,2	
16	2,8	2,8	2,8	2,8	2,8	
17	2,8	2,9	2,8	2,8	2,8	
18,	2,8	2,918	2,8	2,8	-	Q2
19	2,8	2,871	2,8	-	-	Q2
20	2,8	2,899	2,8	-		Q2
21	2,8	2,899	2,8	-	-	Q2
22	2,6	2,6	2,6	2,6	-	
23	2,6	2,6	2,6	-	-	
24	2,6	2,2	2,6	2,3	2,3	
25	2,5	2,6	2,5	-	-	
26	2,3	1,406	2,3	-	-	
27	1,9	0,879	1,9	-	-	
28	1,8	0,296	1,8	-	-	
29	0,8	1,1	0,8	-	-	
30	0,8	1,1	0,8	0,8	0,8	
31	0,5	0,3	0,5	0,5	0,5	
32	0,5	0,3	0,5	0,5	0,5	
33	0,5	0,447	0,5	0,5	0,5	
34	0,5	0,3	0,5	0,5	-	
35	0,5	0,148	0,5	0,5	-	
36	0,5	0,305	0,5	-	-	

Nr. lucrare	Punctaje					
	FIC (2024)	FIC (an publicare)	FIC _D	FIC _{AP}	FIC _{AC}	Observații
37	0,5	0,148	0,5	0,5	0,5	
38	0,5	0,136	0,5	0,5	0,5	
39	0,5	0,231	0,5	-	-	
40	0,5	0,231	0,5	0,5	0,5	
TOTAL	132,1	106,536	132,1	68,7	56	

**Îndeplinirea criteriilor suplimentare specifice UBB pentru abilitare
– domeniul CHIMIE –**

A. Susținerea unei prelegeri în conferință națională sau internațională sau la evenimente științifice organizate de instituție

1. **Szabó G:** Thin coatings with improved anti-corrosion properties Université de Franch-Comte, Besancon, Franțe, septembrie **2019**
2. **Szabó G:** Protective coatings against corrosion of hybrid and electric vehicles, Autonomous Vehicles Conference, Széchenyi István University Győr, Ungaria, noiembrie **2020** online
3. **Szabó G:** Modern anti-corrosion coatings, Budapest University of Technology and Economics, Budapest, Ungaria, mai **2023**

SAU

B. Autor al unui curs sau suport de curs sau carte/capitol în domeniul postului

1. **Capitol** publicat în monografia *Erdély folyóinak természeti állapota; Kémiai és ökológiai vízminősítés a rekonstrukció megalapozására* (Starea naturală a râurilor din Transilvania; Analiza chimică și ecologică a apelor în vederea reconstrucției). Editura Scientia, Cluj, **2003**; Kékedy-Nagy L., Bolla Cs., **Szabó, G.:** *Egyes erdélyi felszíni vizek nehézfém-tartalmának meghatározása modern elektroanalitikai (stripping analízis) eljárással.* (Determinarea conținutului de Cu (II), Cd (II), Pb (II) și Zn (II) al unor ape de suprafață Transilvănene prin analiza stripping)
2. Manual de **lucrări** de laborator: **Szabó, G.**, Bolla, Cs.: Fizikai kémiai gyakorlatok. Editura Egyetemi Műhely Kiadó, Cluj, **2007**.
3. Culegere de probleme: **Szabó, G.**, Bolla, Cs.: Fizikai kémiai számítások. Editura Egyetemi Műhely Kiadó, Cluj, **2008**.

CRITERII ÎNDEPLINITE

Tabelul 2.

Standarde impuse de acte normative		Valori obținute	
Criterii	Valoare minimală	Realizat	Grad de îndeplinire Da/Nu
FIC	100	132,1	DA
FIC _D	70	132,1	DA
FIC _{AP}	50	68,7	DA
FIC _{AC}	25	56	DA
h indexul Sursa	Google Scholar ¹	13	DA
	Scopus ²		DA
	WOS ³		DA

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¹ <https://scholar.google.com/citations?user=igh2uA4AAAAJ&hl=en>

² <https://www.scopus.com/authid/detail.uri?authorId=8143223700>

³ <https://www.webofscience.com/wos/author/rid/B-5587-2015>