



**ACADEMIA ROMÂNĂ
SCOSAAR**

Anexa nr.3

**AVIZAT
DIRECTOR SCOSAAR**

M. Zaharescu
Acad. Maria ZAHARESCU

ÎNDEPLINIREA STANDARDELOR MINIMALE

DA | NU

**FIȘA DE ÎNDEPLINIRE A STANDARDELOR MINIMALE
conform CNATDCU**

Candidat: ATKINSON IRINA

Criterii generale:

Categorie abilitare	Nmax(*)	FIC(**)	FIC _D (***)	FIC _{AP} (****)	FIC _{AC} (*****)	H index
Cerințe	50	100	70	50	25	13
Realizat	33	112.589	80.634	51.50	45.367	14

(*) Nmax - primele maxim N lucrări, organizate în ordinea descrescătoare a factorilor de impact a revistelor în care au fost publicate;

(**) FIC - factorul de impact cumulat minimal al revistelor în care s-au publicat lucrările în cauză;

(***) FIC_D - factorul de impact cumulat minimal din publicații în domeniile de cercetare declarate;

(****) FIC_{AP} - factorul de impact cumulat minimal din publicații în calitate de autor principal (prim-autor și autor de corespondență);

(*****) FIC_{AC} - factorul de impact cumulat minimal din publicații în calitate de autor de corespondență.



**ACADEMIA ROMÂNĂ
SCOSAAR**

Anexa nr.3

Nr. Crt.	Listă lucrări	FIC	FIC _D	FIC _{AP}	FIC _{AC}
1	M. Chelu, J.C. Moreno, I. Atkinson , J.P. Cusu, A. Rusu, V. Bratan, L. Aricov, M. Anastasescu, A.M. Seciu-Grama, A.M. Musuc, <i>Green synthesis of bioinspired chitosan-ZnO-based polysaccharide gums hydrogels with propolis extract as novel functional natural biomaterials</i> , Int. J. Biol. Macromol., 2022, 211, 410-424.	8.025	8.025	-	-
2	CD Ene, P. Cucos, A. Ianculescu, D.C. Culita, E.M. Anghel, A. Cucos, I. Atkinson , M.C. Chifriuc, J.M. Calderon-Moreno, O. Carp, <i>Benign by design: porous spherical ZnO-alginate family via a dual-template synthesis</i> , APP. Surf. Sci., 2022, 580, 152231.	7.392	-	-	-
3	I. Atkinson* , A. M. Seciu-Grama, S. Petrescu, D. Culita, O. C. Mocioiu, M. Voicescu, R. A. Mitran, D. Lincu, O. Craciunescu, <i>Cerium-Containing Mesoporous Bioactive Glasses (MBGs)-Derived Scaffolds with Drug Delivery Capability for Potential Tissue Engineering Applications</i> , Pharmaceutics, 2022, 14(6), 1169.	6.525	6.525	6.525	6.525
4	V. Musat, E.M. Anghel, A. Zaharia, I. Atkinson , O.C. Mocioiu, M. Busila, P. Alexandru, <i>A Chitosan-Agarose Polysaccharide-Based Hydrogel for Biomimetic Remineralization of Dental Enamel</i> , Biomolecules, 2021, 11(8), 1137.	6.064	6.064	-	-
5	G. Patrinoiu, M.D. Hussien, J.M. Calderon-Moreno, I. Atkinson , A.M. Musuc, R.N. Ion, A. Cimpean, M.C. Chifriuc, O. Carp, <i>Eco-friendly synthesized spherical ZnO materials: Effect of the core-shell to solid morphology transition on antimicrobial activity</i> , Mat. Sci. Eng. C-Mat. Biol. App., 2019, 97, 438-450.	5.880	5.880	-	-
6	C.M. Simonescu, D.C. Culita, A. Tatarus, T. Mocanu, G. Marinescu, R.A. Mitran, I. Atkinson , A. Kuncser, N. Stanica, <i>Novel Magnetic Nanocomposites Based on Carboxyl-Functionalized SBA-15 Silica for Effective Dye Adsorption from Aqueous Solutions</i> , Nanomaterials, 2022, 12 (13), 2247.	5.719	-	-	-
7	R. A. Mitran, D. C. Culita, I. Atkinson , <i>Thermal stability enhancement of mesoporous SBA-15 silica through nanoconfinement of ceria nanoparticles</i> , Microporous Mesoporous Mater 2020, 306, 110484.	5.455	-	-	-
8	I Atkinson* , <i>Antibiofilm activity of biocide metal ions containing bioactive glasses (BGs): a mini review</i> , Bioengineering, 2022, 9(10), 489.	5.046	5.046	5.046	5.046



**ACADEMIA ROMÂNĂ
SCOSAAR**

Anexa nr.3

9	V. Musat, N. Stanica, E.M. Anghel, I. Atkinson, D.C. Culita, S. Polosan, L. Crintea, A. Cantaragiu Ceoromila, C.T. Buruiana, O. Carp, <i>Magnetic Core-Shell Iron Oxides-Based Nanophotocatalysts and Nanoadsorbents for Multifunctional Thin Films</i> , Membranes 2022, 12, 466.	4.562	-	-	-
10	I. Atkinson* , E.M. Anghel, S. Petrescu, A. M. Seciu, L. M. Stefan, O.C. Mocioiu, L. Predoana, M. Voicescu, S. Somacescu, D. Culita, M. Zaharescu, <i>Cerium-containing mesoporous bioactive glasses: Material characterization, in vitro bioactivity, biocompatibility and cytotoxicity evaluation</i> , Microporous Mesoporous Mater. 2019, 276, 76-88.	4.551	4.551	4.551	4.551
11	E.M. Anghel, S. Petrescu, O.C. Mocioiu, J.P. Cusu, I. Atkinson* , <i>Influence of Ceria Addition on Crystallization Behavior and Properties of Mesoporous Bioactive Glasses in the SiO₂-CaO-P₂O₅-CeO₂ System</i> , Gels, 2022, 8(6), 344.	4.432	4.432	4.432	4.432
12	I. Atkinson* , A.M. Seciu-Grama, O.C. Mocioiu, A.M. Mocioiu, L. Predoana, M. Voicescu, J.P.Cusu, R.M. Grigorescu, R.M. Ion, O. Craciunescu, <i>Preparation and Biocompatibility of Poly Methyl Methacrylate (PMMA)-Mesoporous Bioactive Glass (MBG) Composite Scaffolds</i> , Gels, 2021, 7(4), 180.	4.432	4.432	4.432	4.432
13	C. Anastasescu, I.G. Gifu, C. Negrila C., R. Socoteanu I. Atkinson, J.M. Calderon-Moreno, C. Munteanu, G. Plavan, S.A. Strungaru, B. Cheatham, A. Malaroiu, V. Teodorescu, <i>Morpho-structural properties of ZnSe, TiO₂-ZnSe materials and enzymatic activity of their bioinorganic hybrids with lysozyme</i> , Mater. Sci. Eng. B 2021, 272, 115350.	4.051	-	-	-
14	I. Atkinson* , O. C. Mocioiu, E. M. Anghel, <i>A study of zircon crystallization, structure, and chemical resistance relationships in ZrO₂ containing ceramic glazes</i> , Bol. Soc. Esp. Ceram. Vidr., 2021 https://doi.org/10.1016/j.bsecv.2021.07.002	3.483	3.483	3.483	3.483
15	I. Atkinson* , V. Parvulescu, J. Pandele Cusu, E.M. Anghel, M. Voicescu, D. Culita, S. Somacescu, C. Munteanu, M. Šćepanović, Z.V. Popovic, V. Fruth, <i>Influence of preparation method and nitrogen (N) doping on properties and photo-catalytic activity of mesoporous SrTiO₃</i> , J. Photochem. Photobiol. A, 2019, 368, 41-51.	3.306	3.306	3.306	3.306
16	A. Zaharia, V. Musat, E.M. Anghel, I. Atkinson, O.C. Mocioiu, M. Busila, V.G. Plescan, <i>Biomimetic chitosan-hydroxyapatite hybrid biocoatings for enamel remineralization</i> , Ceram. Int., 2017, 43(14)11390-11402	3.057	3.057	-	-



ACADEMIA ROMÂNĂ
SCOSAAR

Anexa nr.3

17	I. Atkinson , E.M. Anghel, L. Predoana, O.C. Mocioiu, L. Jecu, I. Raut, C. Munteanu, D. Culita, M. Zaharescu, <i>Influence of ZnO addition on the structural, in vitro behavior and antimicrobial activity of sol-gel derived CaO-P₂O₅-SiO₂ bioactive glasses</i> , Ceram. Int. 2016, 42, 3033-3045.	2.986	2,986	2,986	-
18	S. Mihaiu, A. Toader, I. Atkinson* , O. C. Mocioiu, C. Hornoiu, V. S. Teodorescu, M. Zaharescu, <i>Advanced ceramics in the SnO₂-ZnO binary system</i> , Ceram. Int. 2015, 41, 4936-4945.	2.758	2.758	2.758	2.758
19	M. Ciobașu, L. Pirvù, G. Pauș, S. Saviș, B.G. Albù, C. Munteanu, J.P. Cusu, I. Atkinson , D.C. Culita, G. Petcu, V. Parvulescu, <i>Development of a new (bio)hybrid matrix based on Althaea officinalis and Betonica officinalis extracts loaded into mesoporous silica nanoparticles for bioactive compounds with therapeutic applications</i> , J. Drug Deliv. Sci. Technol. 2019, 51, 605-613.	2.734	-	-	-
20	C.M. Vladut, S.Mihaiu, I. M. Szilagy, T. N. Kovacs, I. Atkinson* , O.C. Mocioiu, S.Petrescu, M. Zaharescu, <i>Thermal investigations of the Sn-Zn-O gels obtained by sol-gel method</i> , J. Therm Anal Calorim, 2019, 136, 461-470.	2.731	2.731	2.731	2.731
21	C. M. Vladut, S. Mihaiu, O. C. Mocioiu, I. Atkinson , J. Pandele-Cusu, E. M. Anghel, J. M. Calderon-Moreno, M. Zaharescu, <i>Thermal studies of Mn²⁺-doped ZnO powders formation by sol-gel method</i> , J Therm Anal Calorim, 2019,135, 2943-2951.	2.731	2.731	-	-
22	I. Atkinson , E.M Anghel, C. Munteanu, M. Voicescu, M. Zaharescu, <i>ZrO₂ influence on structure and properties of some alkali lime zinc aluminosilicate glass ceramics</i> , Ceram. Int., 2014, 40(5), 7337-7344.	2.605	2.605	2.605	-
23	O.C. Mocioiu, M. Zaharescu, I. Atkinson , A.M. Mocioiu, P. Budrugaec, <i>Study of crystallization process of soda lead silicate glasses by thermal and spectroscopic methods</i> , J Therm Anal Calorim, 2014, 117, 131-139.	2.042	-	-	-
24	S. Mihaiu, I. M. Szilagy, I. Atkinson* , O. C. Mocioiu, D. Hunyadi, J. Pandele-Cusu, A. Toader, C. Munteanu, S. Boyadjiev, J. Madarasz, G. Pokol, M. Zaharescu, <i>Thermal study on the synthesis of the doped ZnO to be used in TCO films</i> , J Therm Anal Calorim, 2016, 124, 71-80.	1.953	1,953	1,953	1,953
25	I. Atkinson* , M. E. Smith and M. Zaharescu, <i>Examining correlations between composition, structure and properties in zircon-containing raw glazes</i> , Ceram. Int., 2012, 38, 1827-1833.	1.789	1,789	1,789	1,789



ACADEMIA ROMÂNĂ
SCOSAAR

Anexa nr.3

26	L. Todan, E.M. Anghel, P. Osiceanu, R.V.F. Turcu, I. Atkinson , S. Simon, M. Zaharescu, <i>Structural characterization of some sol-gel derived phosphosilicate glasse</i> , J. Mol. Struct. 2015, 1086, 161–171.	1.780	1.780	-	-
27	M. Zaharescu, S.Mihaiu, A. Toader, I. Atkinson* , J. Calderon-Moreno, M. Anastasescu, M. Nicolescu, M. Duta, M. Gartner, K. Vojisavljevic, B. Malic, V.A. Ivanov, E.P. Zaretskaya, <i>ZnO based transparent conductive oxide films with controlled type of conduction</i> , Thin Solid Films, 2014, 571, 727–734.	1.759	1.759	1.759	1.759
28	S. Petrescu, M. Constantinescu, E.M. Anghel, I. Atkinson , M. Olteanu, M. Zaharescu, <i>Structural and physico-chemical characterization of some soda lime zinc aluminosilicate glasses</i> , J. Non-Cryst. Solids, 2012, 358, 3280–3288.	1.597	1.597	-	-
29	I. Atkinson* , I. Teoreanu, O.C. Mocioiu, M.E. Smith, M. Zaharescu, <i>Structure property relations in multicomponent oxide systems with additions of TiO₂ and ZrO₂ for glaze applications</i> , J. Non-Cryst. Solids, 2010, 356, 2437-2443.	1.483	1.483	1.483	1.483
30	I.V. Matsukevich [†] , I. Atkinson [†] , S.V. Basarab, G. Petcu, S. Petrescu, V. Pârvulescu, V. Fruth, <i>Composite materials based on MgO and metallic nanoparticles for catalytic applications</i> , Romanian Journal of Materials 2019, 49 (4), 483- 490.† These authors contributed equally to this work	0.542	0.542	0.542	-
31	S. Mihaiu, O.C. Mocioiu, L. Predoana, I. Atkinson* , S. Preda, C. Vladut, E. Tenea, M. Stoica, J. CusuPandele, C. Anastasescu, J. M. Calderon, M. Anastasescu*, M.Gartner, I Balint, <i>Pristine and Au-modified ZnO vs. TiO₂ nanopowders prepared by sol-gel: Synthesis, structural properties and photocatalytic degradation of rhodamine B</i> , Rev. Roum. Chim., 2018, 63(5-6) 405-415.	0.395	0.395	0.395	0.395
32	S. Mihaiu, J. Madarasz, G. Pokol, I. M. Szilagy, T. Kaszas, O. C. Mocioiu, I. Atkinson* , A. Toader, C. Munteanu, V. E. Marinescu, M. Zaharescu, <i>Thermal behavior of ZnO precursor powders obtained from aqueous solutions</i> , Rev. Roum. Chim., 2013, 58(4-5), 335-345.	0.393	0.393	0.393	0.393
33	S. Mihaiu, I. Atkinson* , M. Anastasescu, A. Toader, M. Voicescu, M. Zaharescu, <i>Spectroscopic investigations of the formation of the Zn-Sn-O nanostructured films</i> , Rev. Roum. Chim., 2012, 57 (4-5), 477-490.	0.331	0.331	0.331	0.331
		112.589	80.634	51.50	45.367



ACADEMIA ROMÂNĂ
SCOSAAR

Anexa nr.3

H index 14 Clarivate-Web of Science

The screenshot shows the Web of Science interface for the author profile of Irina Atkinson. The header includes the Clarivate logo, language settings (English), and product information. The main content area displays the author's name 'Irina, Atkinson' with a verified status, a large 'AI' monogram, and a 'Verify your Author Record' section with a 'Go to author search' button. The 'Metrics' section shows an H-Index of 14, 51 publications, 544 citations, and 465 citing articles. The 'Organizations' section lists the Romanian Academy of Sciences, University of Warwick, and Ilie Murgulescu Institute of Physical Chemistry. The 'Other Identifiers' section includes an ORCID link. Navigation tabs for 'Documents' and 'Peer Review' are visible at the bottom.

Clarivate English Products

Web of Science™ Search Sign In Register

Search > Results for ATKINSON I IAD... > Author Profile

Irina, Atkinson ✓
Clarivate, Irina
Web of Science Research Index ID: R-41024-2018

AI

Verify your Author Record
Get your own verified author record. Enter your name in Author Search, then click "Claim My Record" on your author record page.
[Go to author search](#)

Published names Atkinson, Irina Atkinson, I.

Organizations
2008-2019 Romanian Academy of Sciences
2010-2012 University of Warwick
2008-2010 Ilie Murgulescu Institute of Physical Chemistry

Other identifiers <https://orcid.org/0000-0002-3652-5240>

Metrics [Dashboard](#)
Web of Science Core Collection metrics

14 H-Index
51 Publications in Web of Science
544 Sum of Times Cited
465 Citing Articles

[Documents](#) [Peer Review](#)

Data:
26.10.2022

Semnătura



ACADEMIA ROMÂNĂ
SCOSAAR

Anexa nr.3

Scopus H index 15



Scopus

Search Sources SciVal

1 author results

[About Scopus Author Identifier >](#)

Author last name: "Atkinson", Author first name: "Irina"

[Edit](#)

Show exact matches only

Sort on: Document count (high-low)

Refine results

[Link to](#) [Include](#)

All [Show documents](#) [View citations overview](#) [Request to merge authors](#) [See full author list](#)

Affiliation

- Academia Română
- Institute of Physical Chemistry "Ilie Murgulescu"
- Institute of Physical Chemistry, Romanian Academy of Sciences
- University of Medicine

	Author	Documents	h-index	Affiliation	City	Country/Territory
(1) >	<input type="checkbox"/> 1 Atkinson, Irina Atkinson, I.	96	15	Institute of Physical Chemistry, Romanian Academy of Sciences	Bucharest	Romania

[View last title](#)

Display: 20 results per page

[Top of page](#)

Data

26.10.2022

Semnătura