

FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR MINIMALE NECESARE ȘI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR ȘI A GRADELOR PROFESIONALE DE CERCETARE DEZVOLTARE CENTRALIZATOR

Comisia 4 CHIMIE

Prof. dr. chim. MUȘAT VIORICA DOMNICA

Standarde minimale cerute conform Ordinul ministrului educației, naționale și cercetării științifice nr. 6129 / 2016 [MENCS nr. 6129/2016]

Perioada de calcul OPERA OMNIA

Criterii generale:

| Categorie | N _{max} (*) | FIC (**) | FIC _D (***) | FIC _{AP} (****) | FIC _{AC} (*****) | n index |
|-------------------------|----------------------|----------|------------------------|--------------------------|---------------------------|---------|
| Profesor/CSI/Habilitare | 50 | 100 | 70 | 50 | 25 | 13 |
| Conferențiar/CS2 | 30 | 50 | - | 20 | - | 9 |

(*) N_{max} – 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.

Recomandări suplimentare:

- Activitatea didactică, cărți, manuale, cursuri, suporturi de curs se pot introduce drept criterii proprii de către universități / institute.
- Capitolele de cărți se echivalează cu articole cu FI = 2 (doi), în cărțile prezente în mai mult de 150 de biblioteci (vizibile în motorul de căutare UEFISCDI);
- Brevetele internaționale (de tipul EU, WO) se echivalează (fiecare) cu un articol cu FI = 4 (patru).

Note:

- Este obligatoriu ca pentru poziția de profesor și pentru abilitare candidații să ilustreze prin publicații domeniile proprii de cercetare (autor de corespondență).
- Aceste standarde sunt setul minim de standarde de concurs. Suplimentar, instituțiile (universități, institute) pot impune și alte cerințe, conform legii. În cazul universităților, asupra acestora se va pronunța un organism abilitat de către Senatul Universității și rezultatele vor fi aprobate de către Senat (Legea 1/2001 art 297, 219). În cazul institutelor asupra acestora va decide Consiliul Științific (Legea 319/2003, art 16(2)c). În ambele cazuri, CNATDCU va valida îndeplinirea setului minimal, conform legii 1/2011, art. 166(2), 219(1), 295(1)(3) și 300(4); respectiv legii 319/2003, art. 16(2)c.

| Nr. Crt | Articole selectate publicate în reviste de specialitate de circulație internațională (indexate în baza de date ISI Thomson Reuters) | FI (JCR 2017) |
|---------|---|------------------|
| 1 | T. Kololuoma*, J. Leppäniemi, H. Majumdar, R. Branquinho, E. Herbei-Valcu, V. Musat , R. Martins, E. Fortunato and A. Alastalo, <i>Gravure printed sol-gel derived ALOOH hybrid nanocomposite thin films for printed electronics</i> , J. Mater. Chem. C 3 (2015) 1776-1786. https://doi.org/10.1039/C4TC02022G http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexOnYPWw&page=1&doc=16 | 5.976 |
| 2 | V. Dediu, V. Musat , I. Cernica, <i>Nb-TiO2/ZnO nanostructures for chemoresistive alcohol sensing</i> , Applied Surface Science 488 (2019) 70-76. doi.org/10.1016/j.apsusc.2019.05.077 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=11&SID=C4hP6eqxiPMXFzTqvG6&page=1&doc=4 | 5.155 (2019) |

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| 3* | Aurel Tăbăcaru, Viorica Mușat* , Nicolae Țigău, Bogdan Ștefan Vasile and Vasile-Adrian Surdu, <i>Vinyltrimethoxysilane-modified zinc oxide quantum dots with tuned optical properties</i> , Applied Surface Science 359 (2016) 766–773 doi.org/10.1016/j.apsusc.2015.10.175 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=11&SID=C4hP6eqxjPMXFzTqvG6&page=1&doc=14 | 4.439 |
| 4* | Ghisman Plescan Viorica ^a , Viorica Musat* , Ana Pimentel, Tomas R. Calmeiro, Emanuel Carlos, Liliana Baroiu, Rodrigo Martins, Elvira Fortunato, <i>Hybrid (Ag)ZnO/Cs/PMMA nanocomposite thin film</i> , Journal of Alloys and Compounds 803 (2019) 922-933. doi.org/10.1016/j.jallcom.2019.06.373 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=11&SID=C4hP6eqxjPMXFzTqvG6&page=1&doc=3 | 4.175 (2019) |
| 5* | Mariana Ibănescu, Viorica Mușat* , Torsten Textor, Viorel Badilita, Boris Mahltig, <i>Photocatalytic and antimicrobial Ag/ZnO nanocomposites for functionalization of textile fabrics</i> , Journal of Alloys and Compounds 610 (2014) 244-249, ISBN 0925-8388 TOP 25/2014, articles within Journal of Alloys and Compounds doi.org/10.1016/j.jallcom.2014.04.138 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=11&SID=C4hP6eqxjPMXFzTqvG6&page=1&doc=23 | 3.779 |
| 6* | Agripina Zaharia, Viorica Musat* , Viorica Plescan Ghisman, Nicusor Baroiu, <i>Antimicrobial hybrid biocompatible materials based on acrylic copolymers modified with (Ag)ZnO/chitosan composite nanoparticles</i> , European Polymer Journal 84 (2016) 550–564. doi.org/10.1016/j.eurpolymj.2016.09.018 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=11&SID=C4hP6eqxjPMXFzTqvG6&page=1&doc=10 | 3.741 |
| 7* | Agripina Zaharia, Viorica Musat* , Elena Maria Anghel, Irina Atkinson, Oana-Cătălina Mocioiu, Mariana Bușilă, Viorica Plescan Ghisman, <i>Biomimetic chitosan-hydroxyapatite hybrid biocoatings for enamel remineralization</i> , Ceramics Internationals 43/14 (2017) 11390-11402. doi.org/10.1016/j.ceramint.2017.05.346 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=11&SID=C4hP6eqxjPMXFzTqvG6&page=1&doc=6 | 3.057 |
| 8* | Mariana Ibănescu, Viorica Musat* , Torsten Textor, Boris Mahltig, <i>Synthesis and characterization of antimicrobial textile finishing based on Ag:ZnO nanoparticles/chitosan biocomposites</i> , RSC Advances 5 (2015) 21562 – 21571 https://doi.org/10.1039/C4RA13918F http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=1&doc=17 | 2.936 |
| 9* | Viorica Mușat* , Aurel Tăbăcaru, Bogdan Ștefan Vasile and Vasile-Adrian Surdu, <i>Size-dependent photoluminescence of zinc oxide quantum dots through organosilane functionalization</i> ”, RSC Advances 4 (2014) 63128-63136. https://doi.org/10.1039/C4RA10851E http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=11&SID=C4hP6eqxjPMXFzTqvG6&page=1&doc=27 | 2.936 |
| 10* | V. Musat* , B. Teixeira, E. Fortunato, R.C.C. Monteiro, and P. Vilarinho, <i>Al-doped ZnO thin films by sol-gel method</i> , Surface & Coatings Technology 180-181 (2004) 659-662 https://doi.org/10.1016/j.surfcoat.2003.10.112 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=2&doc=53 | 2.906 |
| 11* | V. Musat* , L. Diamandescu, M. Brezeanu, <i>On the structure of manganese ferrite prepared by coprecipitation from MnO₂ and FeSO₄ 7H₂O</i> , Materials Letters 46 (2000) 169-174 doi.org/10.1016/S0167-577X(00)00162-2 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=11&SID=C4hP6eqxjPMXFzTqvG6&page=1&doc=27 | 2.687 |

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| | Search&qid=6&SID=F38UvYSBLHHexQnYPWw&page=2&doc=60 | |
| 12 | R. Drasovean, R. Monteiro, E. Fortunato, V. Musat , <i>Optical properties of cobalt oxide films by a dipping sol-gel process</i> , Journal of Non-Crystalline Solids 352(9-20) (2006) 1479-1485. doi.org/10.1016/j.jnoncrysol.2006.02.036 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=5ATPOSmuQbI5rvqJEcu&page=1&doc=50 | 2.488 |
| 13* Autor corespondent | M. Mazilu, N. Tigau, V. Musat* , <i>Optical properties of undoped and Al-doped ZnO nanostructures grown from aqueous solution on glass substrate</i> , Optical Materials 34 (2012) 1833–1838 doi.org/10.1016/j.optmat.2012.05.010 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=5ATPOSmuQbI5rvqJEcu&page=1&doc=29 | 2.320 |
| 14* Autor prim& corespondent | V. Mușat* , P. Budrugaec and C. Gheorghies, <i>Effect of reagents mixing on the thermal behavior of sol-gel precursors for silica-based nanocomposite thin films</i> , Journal of Thermal Analysis and Calorimetry 94 (2008) 373-377 https://doi.org/10.1007/s10973-008-9109-9 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=1&doc=38 | 2.209 |
| 15 | P. Budrugaec, V. Musat and E. Segal, <i>Non-isothermal kinetic study on the decomposition of Zn acetate-based sol-gel precursor II. The application of the IKP method</i> , Journal of Thermal Analysis and Calorimetry 88/3 (2007) 699-702. https://doi.org/10.1007/s10973-006-8086-0 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=1&doc=45 | 2.209 |
| 16* Autor prim & corespondent | V. Musat* , P. Budrugaec, R. C. C. Monteiro, E. Fortunato, E. Segal, <i>Non-isothermal kinetic study on the decomposition of Zn acetate-based sol-gel precursor I. The application of the model-free method</i> , Journal of Thermal Analysis and Calorimetry 89(2) (2007) 505-509 https://doi.org/10.1007/s10973-006-7532-3 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=1&doc=43 | 2.209 |
| 17* Autor prim& corespondent | V. Musat*(Bujoreanu VM) , E. Segal, <i>DSC study of water elimination from coprecipitated ferrite powders</i> , Journal of Thermal Analysis and Calorimetry 68 (2002) 191-197. https://doi.org/10.1023/A:1014957215646 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=2&doc=57 | 2.209 |
| 18* Autor prim & corespondent | V. Musat*(Bujoreanu VM) , L. Frangu, E. Segal, <i>Kinetic investigation of the dehydration of coprecipitated ferrite powders</i> , Journal of Thermal Analysis and Calorimetry 68 (2002)787-801. https://doi.org/10.1023/A:1016115531116 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=2&doc=58 | 2.209 |
| 19* Autor prim& corespondent | V. Musat* si E. Segal, <i>On the kinetics of manganese ferrite formation from aqueous solution of MnO₂ and FeSO₄.7H₂O</i> , Journal of Thermal Analysis and Calorimetry 61 (2000) 967-977 https://doi.org/10.1023/A:1010123314520 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=2&doc=61 | 2.209 |
| 20* Autor prim& corespondent | V. Musat Bujoreanu* , L. Rabardel, E. Segal, <i>A dilatometric investigation of the thermal compaction of ferrite powders prepared by coprecipitation</i> , Journal of Thermal Analysis and Calorimetry 56 (1999) 603-610. https://doi.org/10.1023/A:1010121215170 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=2&doc=62 | 2.209 |

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| 21* Autor prim & corespondent | V. Musat Bujoreanu* , E. Segal, <i>Kinetics of manganese ferrite generation from aqueous solution of MnO₂ and FeSO₄ 7H₂O through coprecipitation and ageing</i> , Journal of Thermal Analysis and Calorimetry 50 (1997) 767-771. https://doi.org/10.1007/bf01979206 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=2&doc=63 | 2.209 |
| 22* Autor prim & corespondent | V. Musat Bujoreanu* , E. Segal, M. Brezeanu, R. Salmon, J.J. Videanu, C. Gheorghies, 1996 , <i>On the formation of manganese ferrite from MnO₂ and FeSO₄ 7H₂O aqueous solution by co-precipitation</i> , Thermochimica Acta 288 (1996) 221-237. http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=2&doc=64 | 2.189 |
| 23* Autor corespondent | E. Segal, M. Brezeanu V. Bujoreanu (Musat)* , C. Gheorghies, <i>Kinetics of high temperature recrystallization of MnFe₂O₄ from wet reaction prepared powders</i> , Thermochimica Acta 196 (1992), 7-14, ISSN 0040-6031. doi.org/10.1016/0040-6031(92)85002-D http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=2&doc=69 | 2.189 |
| 24* Autor prim & corespondent | V. Bujoreanu (Musat)* , M. Brezeanu, E. Segal D. Sahlean, <i>On the thermal stability and the non-isothermal decomposition kinetics of a binuclear coordination compound precursor of mixed oxides</i> , Thermochimica Acta 161 (1990) 357-362. doi.org/10.1016/0040-6031(90)80317-R https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitationReport&qid=61&SID=5ATPOSmuQbI5rvqJEcu&page=5&doc=42#searchErrorMessage | 2.189 |
| 25* Autor prim & corespondent | V. Bujoreanu (Musat)* , M. Brezeanu, E. Segal, C. Gheorghies, <i>On the crystallization kinetics of some mixed oxides from a binuclear coordination compound as precursor</i> , Thermochimica Acta 161 (1990) 363-367. https://doi.org/10.1016/0040-6031(90)80318-S http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=2&doc=70 | 2.189 |
| 26* Autor prim & corespondent | V. Musat* , E. Fortunato, A.M.Botelho do Rego and R. Monteiro, <i>Sol-gel cobalt oxide-silica nanocomposite thin films for gas sensing applications</i> , Thin Solid Films 516/7 (2008) 1499-1502 . https://doi.org/10.1016/j.tsf.2007.07.197 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=1&doc=40 | 1.939 |
| 27* Autor prim & corespondent | V. Musat* , M. Mazilu, N. Tigau, P. Alexandru, A. Dinescu, M. Purica, <i>Effect of doping concentration and temperature on the morphology, crystallinity and electrical conductivity of Al:ZnO nanostructured films grown from aqueous solution</i> , Thin Solid Films, 617 (2016) 120-125. doi.org/10.1016/j.tsf.2016.07.004 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=5ATPOSmuQbI5rvqJEcu&page=1&doc=11 | 1.939 |
| 28 | R.M.S. Martins, V. Musat , A. Mücklich, N. Franco and E. Fortunato, <i>Characterization of mesoporous ZnO:SiO₂ films obtained by sol-gel method</i> , Thin Solid Films 518 (2010) 7002–7006. https://doi.org/10.1016/j.tsf.2010.06.015 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=1&doc=33 | 1.939 |
| 29* Autor prim & corespondent | V. Musat* , B. Teixeira, E. Fortunato , R. C. C. Monteiro, <i>Effect of Post-Heat Treatment on the Electrical and Optical Properties of ZnO:Al thin films</i> , Thin Solid Films 502 (2006) 219-222, TOP 25/2006 articles within the journal TSF 2006. https://doi.org/10.1016/j.tsf.2005.07.278 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=1&doc=49 | 1.939 |
| 30* Autor prim & corespondent | V. Musat* , E. Segal, <i>On the dehydration of mixed oxides powders coprecipitated from aqueous solutions</i> , Solid State Sciences 4 (2001) 407-415, ISSN 1293-2558. doi.org/10.1016/S1293-2558(01)01152-9 | 1.861 |

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| 31* Autor prim& corespondent | V. Musat*, E. Fortunato, S. Petrescu, A.M. Botelho do Rego, <i>ZnO-SiO₂ nanocomposite thin films by sol-gel method</i> , Physica Status Solidi (a) 205(8) (2008) 2075-2079 https://doi.org/10.1002/pssa.200778939 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=1&doc=39 | 1.795 |
| 32 | V. Nechita, J. Schoonman, V. Musat, <i>Ethanol and methanol sensing characteristics of Nb-doped TiO₂ porous thin films</i> , Phys. Status Solidi (a) 209 (2012) 153–159 https://doi.org/10.1002/pssa.201127057 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=1&doc=26 | 1.795 |
| 33* Autor corespondent | A. Zaharia, V. Ghisman Plescan, I. Atkinson, O. Mocioiu, A. Cantaragiu, V. Musat*, <i>Remineralization of Natural Tooth Enamel in Artificial Saliva Environment</i> , Rev-Chem-Bucharest 68(3) (2017) 510-514. http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=1&doc=4 | 1.412 |
| 34* Autor corespondent | A. Zaharia, V. Musat*, E. Anghel, V. Plescan Ghisman, <i>Human Dentine Remineralization Under Non-collagen Materials Action</i> , Rev-Chem-Bucharest 68(5) (2017) 928-932. https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=5ATPOSmuQbI5rvqJEcu&page=1&doc=8 | 1.412 |
| 35 | V. Dediu, V. Musat, B. Jurca, N. I. Cristea, <i>Thermal Decomposition of Some Sol-Gel Precursors for Mesoporous TiO₂-Based Thin Films for Chemoresistive Environmental Sensors</i> , Rev-Chem-Bucharest, 2017, Vol 68, No. 8, 1703-1707 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=1&doc=7 | 1.412 |
| 36* Autor corespondent | Panaite Viorel, Boiciuc Simona, Musat Viorica*, <i>ZnO Nanoparticles-Epoxy Resin Hybrid Nanocomposite with Anticorrosive and Antifouling Properties as Coatings for Naval Steel</i> , Rev-Chem-Bucharest 66(2) (2015) 213-218. http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=1&doc=13 | 1.412 |
| 37* Autor corespondent | Aurel Tabacaru, Viorica Musat*, Rodica M. Dinica, Constantin Gheorghies, <i>Catalytic effect of zinc oxide nanoparticles prepared through assisted modification with a diquaternary salt of bis(pyridinium)</i> , Rev-Chem-Bucharest 67(8) (2016) 1508. http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=1&doc=8 | 1.412 |
| 38* Autor corespondent | A. Zaharia, V. Pleşcan Ghisman, C.L. Stefănescu, V. Muşat*, <i>Thermal, morphological and structural characterization of chitosan-modified hybrid materials for prosthodontics</i> , Rev-Chem-Bucharest 67(8) (2016) 1508-1518. http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=1&doc=7 | 1.412 |
| 39* Autor corespondent | M. (Busilă) Ibanescu, V. Musat*, T. Textor, B. Mahltig, <i>Functional Finishing of Textile using Manganese Doped Zinc Oxide based Coatings Obtained by Sol-gel Method</i> , Rev-Chem-Bucharest, 65 (6) (2014) 689-693. http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=1&doc=19 | 1.412 |
| 40* Autor corespondent | E. Valcu Herbei, V Musat*, Jank, M., Oertel S., <i>Sol-gel Preparation of ZrO₂-PMMA for Thin Films Transistors</i> , Rev-Chem-Bucharest 65(5) (2014) 574-578 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=1&doc=20 | 1.412 |
| 41* Autor prim & corespondent | V. Musat*, C. Gheorghies, E. Fortunato, R.C.C. Monteiro and E. Segal, <i>Kinetics of Al-doped ZnO thin films crystallization from sol-gel precursor</i> , Rev-Chem-Bucharest 4 (2005) 367-370 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=2&doc=52 | 1.412 |
| 42* | A-I. Danciu, V. Musat*, T. Busani, J.V. Pinto, R. Barros, A. M. Rego, A. M. Ferraria, | 1.354 |

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| Autor corespondent | P. A. Carvalho, R. Martins, and E. Fortunato, <i>Uniform Arrays of ZnO 1D Nanostructures Grown on Al:ZnO Seeds Layers by Hydrothermal Method</i> , J. Nanosci. Nanotechnol. 13 (2013) 670-6710. https://doi.org/10.1166/jnn.2013.7773 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=6&SID=F38UvYSBLHHexQnYPWw&page=1&doc=23 | |
| 43 | M. Mazilu, V. Musat, P. Innocenzi, T. Kidchob, D. Marongiu, <i>Liquid-Phase Preparation and Characterization of Zinc Oxide Nanoparticles</i> , Particulate Science and Technology 30 (2012) 32-42. DOI: 10.1080/02726351.2010.544016 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=5ATPOSmuQbI5rvqJEcu&page=1&doc=32 | 1.081 |
| | FIC pentru 43 articole publicate (selectie) cu IF >1 | 101.30 |
| 44 | M. Bușilă, A. Tăbăcaru, V. Mușat, and F. Marques, <i>Size-Dependent Biological Activities of Fluorescent Organosilane-Modified Zinc Oxide Nanoparticles</i> , Journal of Biomedical Nanotechnology 16/2 (2020) 137-152, WOS:000476464900107. https://doi.org/10.1166/jbn.2020.2882 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=11&SID=C4hP6eqxjPMXFzTqvG6&page=1&doc=2 | 5.280 (2019) |
| 45 | A. Filip, V. Musat*... and E. Fortunato, <i>ZnO nanostructures grown on ITO coated glass substrate by hybrid microwave-assisted hydrothermal method</i> , Optik 208 (2020) 164372-8, WOS 000535717800022. https://doi.org/10.1016/j.ijleo.2020.164372 http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=11&SID=C4hP6eqxjPMXFzTqvG6&page=1&doc=1 | 2.187 (2019) |
| | FIC pentru 45 articole publicate (selectie) cu IF >1 | 108.80 |
| | * Autor de corespondență | 35 |
| | Articole ISI (selectate pentru calcul FIC) cu IF >1 | 45 |
| | Nr. Publicații autor principal și/sau corespondent* | 35 |

Gradul de îndeplinire

| Categorie | Profesor/CS 1/Habilitare | | Grad îndeplinire % |
|-------------------------|--------------------------|---|--------------------|
| | Criteriu | Punctaj | |
| N_{max} | standard | 50 | Indeplinit |
| | Realizat | 45 (cu IF>1, utilizat pentru calcul FIC) | |
| FIC | standard | 100 | 108.80 |
| | Realizat | 108.80 | |
| FIC_D | standard | 70 | 155 |
| | Realizat | 108.80 | |
| FIC_{AP} | standard | 50 | 163 |
| | realizat | 81.50 | |
| FIC_{AC} | standard | 25 | 326 |
| | Realizat | 81.50 | |
| H-index | standard | 13 | Indeplinit |
| | Realizat | 15 WOS /15 Scopus | |

Galați, 10. 2020

Prof.dr. Viorica Domnica Mușat

