INFORMAŢII PERSONALE

NASUI MIRCEA

Mircea.Nasui@chem.utcluj.ro / nasuimircea@yahoo.com
http://www.researcherid.com/rid/C-2594-2012
https://www.brainmap.ro/mircea-nasui
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EXPERIENTA PROFESIONALA

Oct. 2023-prezent — Sef Lucrari

Universitatea Tehnică din Cluj-Napoca, Facultatea de Ingineria Materialelor şi a Mediului, Departamentul de Fizica- Chimie

- Didactic: Curs Chimie Generala, Materiale Ceramice, lucrari de laborator

Oct. 2018-Oct. 2023 — Asistent universitar

Universitatea Tehnică din Cluj-Napoca, Facultatea de Ingineria Materialelor şi a Mediului, Departamentul de Fizica- Chimie

- Didactic: Lucrări de laborator aferente cursurilor de Chimie I și II, Materiale Ceramice.

2011- Octombrie 2018 — Cercetator ştiintific/Cadru didactic asociat

Universitatea Tehnică din Cluj-Napoca, Facultatea de Ingineria Materialelor si a Mediului, Departamentul de Fizica- Chimie - Centrul de Supraconductibilitate, Spintronica si Stiinta Suprafatelor

- Cercetare
- Didactic: Lucrări de laborator aferente cursurilor de Chimie I și II, Ingineria Materialelor Nematalice şi Materiale Ceramice și Vitroase

Iulie 2010- Decembrie 2010 — Stagiu de cercetare/specializare

Institutul de Ştiinta Materialelor ICMAB, Barcelona , Spania

- Cercetare: Filme supraconductoroare prin metode chimice
- Bursa Marie-Curie în cadrul proiectului european “Nanoengineered superconductors for power applications –NESPA”, FP6-Mobility, Marie-Curie Research Training Networks.

Iulie 2007 –Iunie 2008 — Asistent cercetare (Tehnician)

Universitatea Tehnică din Cluj-Napoca, Facultatea de Ingineria Materialelor si a Mediului, Departamentul de Fizica- Chimie

- Cercetare

EDUCAŢIE ŞI FORMARE

2014-2015 — Studii postdoctorale

Progam de cercetare postdoctorala (Proiect-PARTING) - Universitatea Tehnică din Cluj-Napoca

Titlul temei de cercetare: Filme nanocompozite supraconductoare obținute chimic din soluții „eco-friendly” pentru aplicații în transportul eficient al energiei electrice.

2008-2011 — Doctor în Ingineria Materialelor

Universitatea Tehnică din Cluj-Napoca

Titlul tezei de doctorat: *Filme epitaxiale obţinute prin metode chimice utilizate în arhitecturi supraconductoare pe bază de* $YBa_2Cu_3O_{7-X}$

2003-2008

Inginer diplomat – Inginerie Chimică

Facultatea de Chimie si Inginerie Chimica, Universitatea « Babes-Bolyai », Cluj-Napoca

Specializare: Stiinta si Ingineria Materialelor Oxidice;

COMPETENTE PERSONALE

Limba(i) maternă(e): Romană

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversaţie	Discurs oral	
Engleză	B2	B1	B2	B2	B1
	Scrieţi denumirea certificatului. Scrieţi nivelul, dacă îl cunoaşteţi.				
Germană	A1	A1	A1	A1	A1
	Scrieţi denumirea certificatului. Scrieţi nivelul, dacă îl cunoaşteţi.				

Niveluri: A1/2: Utilizator elementar - B1/2: Utilizator independent - C1/2: Utilizator experimentat
Cadrul european comun de referinţă pentru limbi străine

Competenţe de comunicare

- bune competențe de comunicare în cadrul proiectelor, obţinută prin participare la contracte de cercetare;
- experienta proprie dobandita ca si cadru didactic;
- organizator stand UTCN- Dep. Fizica şi Chimie în cadrul Zilele Deschise Cluj 2021, 2022; Noaptea Muzeelor 2022, 2023.

Competenţe organizaţionale/manageriale

- Coordonator / consultat ştiinţific – 4 proiecte de diplomă cotutelă pentru studiile de Licenţă
- Coordonator 1 proiect de cercertare;
- autonomie în activitate;
- capacitatea de analiză și sinteză;
- responsabil cu precursori de explozibili/Dep. Fizică şi Chimie

Modul didactic: Modul Psihopedagogic – Universitatea Babes-Bolyai din Cluj-Napoca

Competenţe dobândite la locul de muncă

- Obţinerea şi caracterizarea prin metode chimice a filmelor/straturi oxidice epitaxiale cu proprietăţi supraconductoare, conductoare şi izolatoare;
- Metode fizice și chimice de investigare în ştiinţa materialelor: difracţie de raze X, analize termice gravimetrice si diferentiale, microscopie optica, infrarosu (IR), spectroscopie de masă, spectrometrie Auger;
- Metode chimice de sinteze sol-gel, descompunerea derivaţilor metal-organici, hidrotermale, etc.
- Chimia precursorilor creştere de monocristale şi analiza structurală prin difracţie de raze X;
- Modelare moleculară a structurilor chimice.
- Obținerea de compuși supramoleculari noi (indexare - Cambridge Structural Database CCDC)

Competenţe informatice

- o bună cunoaştere a instrumentelor Microsoft Office™, Origin, Corel DraW, Spartan (Modelare Moleculara), HYPERCHEM, CHEMWIN, Dreamweaver (crearea si intretinerea de website-uri, webmaster – www.c4s.utcluj.ro).

Permis de conducere

- B

INFORMATII SUPLIMENTARE

Publicaţii

- **Număr lucrări 47**, din care ***44 lucrări publicate în reviste indexate ISI*** (***16-Q1, 16-Q2, 11-Q3/Q4, 1- ISI Proceedings***), 1 lucrare BDI şi 2 în volume ale unor manifestări științifice naționale sau internaționale etc;
- ***5 Compuși supramoleculari noi*** indexati în baza de date Cambridge Crystallographic Data Centre (CCDC)

Cărţi

Năsui Mircea, Şonher Ramona-Bianca, Mesaros Amalia-Zorica, *Sinteza şi caracterizarea materialelor ceramice multifuncţionale, Îndrumător de laborator*, UTPRESS Cluj-Napoca, 2022 ISBN 978-606-737-594-7.

Nasui Mircea, Capitolul 2. Filme supraconductoare oxidice obținute prin metode chimice" Titlu cartii: Filme subțiri: Creștere și proprietăți- Traian PETRIȘOR Jr, Nasui Mircea, Ramona Bianca Sohner, Mihai Sebastian GABOR, U.T.PRESS Cluj - Napoca, 2025, **ISBN 978-606-737-751-4**

Brevet de invenţie

Mircea NASUI, Traian PETRIȘOR Jr, Ramona Bianca MOȘ, Amalia MESAROȘ, Mihai Sebastian GABOR, Lelia CIONTEA, Traian PETRIȘOR, Titlul inventiei: *Metoda chimică de obținere a filmelor epitaxiale de manganit de lantan dopat cu stronțiu La0.66Sr0.33MnO3 (LSMO)* - ***brevet nr. RO 131325 B1***

Mircea NASUI, Ramona Bianca SONHER, Mihai Sebastian GABOR, Lelia CIONTEA, Amalia MESAROȘ, *Procedeu chimic de obținere a filmelor subțiri cu structură spinelică de GaFe2O4 (GFO)* Cerere brevet de inventie a2024/ 00540

Prezentări invitate / orale

- Applications of Chemistry in Nanosciences and Biomaterials Engineering" NanoBioMat 2025 – Summer Edition- Virtual International Scientific Conference NanoBioMat 2025, winter - **Keynote Presentation**
- 6th International Conference on Powder Metallurgy & Advanced Materials 29 October - 01 November 2025, Cluj-Napoca, Romania
- Southeast Europe SEESOF Special Operations Forces Forum, Targu-Mures, Romania, 4-5 May, 2025- **lucrare invitată**
- Spring Meeting of the European Materials Research Society (E-MRS), Exhibition Centre of Strasbourg (France), from May 27 to 31, 2024.
- -Surfaces and Coatings Research eConference CoatSurfRes-eCon2023- **Virtual**, 31 Mai-1 iunie-2023- **lucrare invitată**
- Spring Meeting of the European Materials Research Society (E-MRS)- **Virtual**, 31 Mai-4 iunie-2022
- Spring Meeting of the European Materials Research Society (E-MRS)- **Virtua**l, 31 Mai-4 iunie-2021
- Simpoziomul de Arheometrie- **Cluj-Napoca**, Romania, 17 decembrie- 2019
- Conferinta ASC 2018-Applied Superconductivity Conference – **Seattle, Washington** 28 oct-04 Nov 2018
- Conferinta 14th Ceramics Congress – CIMTEC 2018, **Perugia, Italia** 04-08 iunie, 2018.
- Conferinta internationala biennial European Conference on Applied Superconductivity-EUCAS, **Geneva, Elvetia**, 2017.
- Simpozionul de Arheometrie- **Cluj-Napoca** 2017
- Conferinta - Antreprenoriat, Mediu de Afaceri şi Dezvoltare Durabilă–AMDD, **Cluj-Napoca** 2015.
- Workshop-ul international "**2nd Transylvanian NMR Workshop in Cluj – Napoca**" 18-21 Septembrie 2009 ;
- Participare la conferinţa internationala Studenti pentru Studenti**, Cluj–Napoca**, 18-28 aprilie 2008

Seminarii/Şcoli de vară

- Marie-Curie Research Training Networks, Cambridge, 5-8 Septembrie 2010, **Cambridge, Marea Britanie** - Workshop-ul organizat in cadrul proiectului european "Nanoengineered superconductors for power applications –NESPA", FP6-Mobility;
- Life in electric Land, **Best Cluj-Napoca** (şcoală de vară)- organizare lucrări de laborator (2019);

Proiecte şi burse de cercetare

- **Proiect intern de cercetare CICDI-1991-UTCN** (2017-2018) „Filme supraconductoare cu nano-centri magnetici obținute chimic pentru eficientizarea transportului energiei electrice SUPRAMAG Finantator UTCN, Publicatii/rezultate- prezentare orală conferinţă EUCAS-2017, 1 articol ISI (lista de lucrări lit. E1. (6)) - **Director de proiect**

- **Bursă postdoctorala POSDRU – UTCN** (mai 2014-septembrie 2015) Parteneriat interuniversitar pentru excelenta in inginerie - PARTING" - Filme nanocompozite supraconductoare obținute chimic din soluții „eco-friendly" pentru aplicații în transportul eficient al energie electrice Publicatii- 2 articole ISI (lista de lucrări Lit. E1. (7 şi 33)).

- **Membru în echipa de cercetare**: 19 proiecte naţionale si internaţionale

Conferinţe

•
• Participarea la conferinta internationala E-MRS 2015 SPRING MEETING, 2015, Lille, May 11-15 - prezentare poster.
• Participare conferinta European Conference on Applied Superconductivity, 15-19 septembrie, 2013, Genova, Italia – prezentare poster;
• Participarea la conferinta internationala „International Conference on Coated Conductors for Applications" 14-16 Noiembrie, 2012 Heidelberg, Germany - prezentare poster ;
• Participare la conferinta internationala „1st Central and Eastern European Conference on Thermal Analysis and Calorimetry CEEC-TAC1, 7-10 September 2011 – Craiova, Romania, prezentare poster;
• Participarea la conferinta internationala internationala European Materials Research Society E-MRS Strasbourg, Franta, 8-12 iunie 2009;
• Conferinta Internationala PIM, Cluj-Napoca (2008)- prezentare poster

Referent

Ceramics International, Journal of Alloys and Compounds, Journal of Analytical and Applied Pyrolysis, Materials-MDPI, Metals-MDPI, Molecules-MDPI, Colorants-MDPI, International Journal of Molecular Sciences- MDPI, IEEE Transactions on Applied Superconductivity, Biomimetics, Technologies

Editor Invitat

Coatings - Special Issue "Thin Films Deposition via Chemical Methods".

Comitet Stiintific

Coatings and Interfaces Conference

Premii

- Premii obţinute la Saloane de Inventică pentru invenţia cu nr. RO131325 B1: *Diploma de excelenţă şi Medalia de Aur* la Salonul Internaţional de Inventică- PRO INVENT 2018; *Diploma de Excelenţa* – Forumul Inventatorilor Romani la Salonul Cadet INOVA 2018; *Diploma de excelenta si premiul special* al Institutului de Fitotehnic- Porumbeni*; Diploma si Medalia de Argint* – InfoInvent 2019; *Diploma de Honour* – Medal Inventica 2019; *Medalie de Bronz* – EuroInvent 2019; *Medalia de Aur* – Salonul Internaţional AsianInvent Singapore- AiSG 2020.

- Premiu pentru conţinutul ştiinţific şi prezentare acordat de ***Societatea de Chimie din Romania*** obţinut în cadrul Conferinţei Internaţionale „Studenţi pentru studenţi" organizată de Universitatea Babeş-Bolyai (2008);

Membru

Societatea Română de Ceramică
Societatea Europeană de Ceramică
Societate Română de Chimie
Consiliul Facultatii Ingineria Materialelor si a Mediului
Comisia Consiliere profesionala si probleme studentesti

Parametri şcientometrici

Indicele Hirch: **17** – Web of Science; **19** – Google Scholar
Citări ISI: **581** – Web of Science (**526** fără autocitări); **716**– Google Scholar

Anexe

Anexa 1 Lista de lucrări

Data

SL. Dr. ing. Nasui Mircea

Anexe 1

1. **M. Nasui**, R.B. Sonher, T. Petrisor, E. Ware, E.G. Tuns, R. Pacurar, M.S. Gabor, New approach for oriented BaTiO3 thin films with piezoelectric properties through chemical synthesis, Journal of Alloys and Compounds,136,182008, 2025
2. B. V. Neamtu, **M. Nasui**, G. Cupa, E. Ware, F. Popa, T. F. Marinca, and I. Chicinas, "Effects of adding carbonyl Fe or Mn-Zn ferrite powders to fibre-based soft magnetic composites prepared via hybrid cold sintering/spark plasma sintering," *Journal of Materials Research and Technology-Jmr&T,* vol. 28, pp. 2969-2979, Jan-Feb 2024.
3. A. Mesaros, A. Garzón, M. Nasui, R. Bortnic, B. Vasile, O. Vasile, F. Iordache, C. Leostean, L. Ciontea, J. Ros, and O. Pana, "Insight into synthesis and characterisation of Ga0.9Fe2.1O4 superparamagnetic NPs for biomedical applications," Scientific Reports, vol. 13, Oct 2023.
4. B. Neamţu, **M. Năsui**, G. Stoian, F. Popa, T. Marinca, P. Bere, N. Lupu, and I. Chicinaş, "Influence of coating process on the magnetic properties of cold-sintered CoFeSiB@ BaTiO3 fibres based soft magnetic composites," Ceramics International, vol. 49, pp. 40914-40923, 2023. **autor corespondent** – Q1
5. Bogdan Viorel Neamtu, Florin Popa, Ecaterina Ware, Traian Florin Marinca, Mihai Sebastian Gabor, Florin Pop Piglesan, **Mircea Nasui**, *Hydrothermal Deposition of ZnO Layer on Fe-Based amorphous Fibres Used for the Preparation of Cold Sintered Fibre-Based Soft Magnetic Composites*, ***Coatings***, 12 (2022) 1527. – **autor corespondent** – Q2 (link)
6. **Nasui, M**.; Sonher, R.B.; Ware, E.; Daniel, A.; Petrisor, T., Jr.; Gabor, M.S.; Ciontea, L.; Petrisor, T., *Morphological and Structural Evolution of Chemically Deposited Epitaxially LaNiO3* Thin Films. ***Coatings*** 11 (2021) 1376– Q2 (link)
7. R.B Sonher, **M Nasui**, MS Gabor, T Petrisor Jr, L Ciontea, T Petrisor, *Effect of glycerol on the thermal decomposition behavior of nickel propionate-based precursor*, ***Journal of Analytical and Applied Pyrolysis*** 159 (2021) 105289. – **autor corespondent** – Q1 (link)
8. **M. Nasui**, R. B. Sonher, T. Petrisor, S. Varodi, C. Pop, and L. Ciontea, "*Development of a Fluorine-Free Polymer-Assisted-Deposition Route for $YBa_2Cu_3O_{7-x}$ Superconducting Films*," ***Coatings***, 10 (2020) 966. – Q2 (link)
9. B.V. Neamţu, A. Belea, F. Popa, E. Ware, T.F. Marinca, I. Vintiloiu, C. Badea, M. Pszola, **M. Nasui**," *Properties of soft magnetic composites based Fe fibres coated with SiO_2 by hydrothermal method*", ***Journal of Alloys and Compounds*** 826 (2020) 154222. – **autor corespondent** – Q1 (link)
10. **M. Nasui**, R. B. Mos, M. S. Gabor, T. Petrisor, A. Tomolea, E. Ware, F. Goga, A. Mesaros, and L. Ciontea, "*New versatile synthesis for low dimension superparamagnetic $YBa_2Cu_3O_{7-x}$ nanoparticles*," ***Ceramics International*** 43 (2017) 8845-8849. – Q1 (link)
11. **M. Nasui**, T. Petrisor Jr., R.B. Mos, M.S. Gabor, A. Mesaros, F. Goga, L. Ciontea, T. Petrisor, *Fluorine-free propionate route for the chemical solution deposition of $YBa_2Cu_3O_{7-x}$ superconducting films*, ***Ceramics International***, 41 (2015) 4416–4421. – Q1 (link)
12. **M. Nasui**, T. Petrisor Jr., R.B. Mos, A. Mesaros, R.A. Varg, B.S. Vasile, T. Ristoiu, L. Ciontea, T. Petrisor, *Synthesis, crystal structure and thermal decomposition kinetics of yttrium propionate,* ***Journal of Analytical and Applied Pyrolysis*** 106 (2014) 92–98. – Q1 (link)
13. **M. Nasui**, C. Bogatan (Pop), L. Ciontea, T. Petrisor, *Synthesis, crystal structure modeling and thermal decomposition of yttrium propionate $[Y_2(CH_3CH_2COO)_6 \cdot H_2O] \cdot 3.5H_2O$*, ***Journal of Analytical and Applied Pyrolysis,*** 97 (2012) 88-93. – Q1 (link)
14. **M. Nasui**, R.B. Mos, T. Petrisor Jr., M.S. Gabor, R. Varga, L. Ciontea, T. Petrisor, "*Synthesis, crystal structure and thermal decomposition of a new copper propionate $[Cu(CH_3CH_2COO)_2] \times 2H_2O$*", ***Journal of Analytical and Applied Pyrolysis***, 92 (2011) 439-444. – Q1 (link)
15. **M. Nasui**, T. Petrisor Jr., R.B. Mos, M.S. Gabor, T. Ristoiu, A. Rufoloni, L. Ciontea, T. Petrisor, *Precursor chemistry for the solution deposition of epitaxial $La_{0.66}Sr_{0.33}MnO_3$ (LSMO) thin films*, ***Thin Solid Films,*** 918 (2010) 4753-4756. – Q3 (link)
16. B. Neamţu, **M. Năsui**, G. Cupa, E. Ware, F. Popa, T. Marinca, and I. Chicinaş, "Effects of adding carbonyl Fe or Mn–Zn ferrite powders to fibre-based soft magnetic composites prepared via hybrid cold sintering/spark plasma sintering," Journal of Materials Research and Technology, vol. 28, pp. 2969-2979, 2024.
17. A. Mesaros, A. Garzón, **M. Nasui**, R. Bortnic, B. Vasile, O. Vasile, F. Iordache, C. Leostean, L. Ciontea, and J. Ros, "Insight into synthesis and characterisation of Ga0. 9Fe2. 1O4 superparamagnetic NPs for biomedical applications," Scientific Reports, vol. 13, p. 18175, 2023.
18. Andrada Daniel, **Mircea Nasui**, Traian Petrisor Jr, Ramona Bianca Sonher, Andrea Augieri, Cornelia Pop, Anna Palau, Angelo Vannozzi, Giuseppe Celentano, Lelia Ciontea, Traian Petrisor, *Investigation of diethanolamine (DEA) as*

a chelating agent in the fabrication of fluorine-free propionate route YBa2Cu3O7 (YBCO) thin films , ***Superconductor Science and Technology*** 35 (5), (2022) 054010. – Q2 (link)

19. Nicoleta Cobîrzan, Gyorgy Thalmaier, Anca-Andreea Balog, Horia Constantinescu, Andrei Ceclan, **Mircea Nasui**, *Volcanic Tuff as Secondary Raw Material in the Production of Clay Bricks*, ***Materials*** 14 (22), (2021) 6872 – Q1 (link)
20. D. Ourdani, Y. Roussigné, R. B. Mos, **M. Nasui**, S. M. Chérif, M. S. Gabor, and M. Belmeguenai *Hf thickness dependence of perpendicular magnetic anisotropy, damping and interfacial Dzyaloshinskii-Moriya interaction in Pt/CoFe/Hf/HfO2*, ***Phys. Rev. Materials*** 5 (2021) 084404. – Q2 (link)
21. R. B. Sonher, R. A. Varga, **M. Nasui**, T. Petrisor, M. S. Gabor, M. Senila, A. Rufoloni, and L. Ciontea, "*Single Source Precursor for PAD-LaMnO3 Thin Films*," ***Crystals***, 10 (2020) 851. – Q2 (link)
22. G Thalmaier, N Cobîrzan, AA Balog, H Constantinescu, M Streza, **M Nasui,** BV Neamtu, *Influence of sawdust particle size on fired clay brick properties,* ***Materiales de Construcción*** 70 (2020) 215. – Q3 (link)
23. N. Cobirzan, A. A. Balog, G. Thalmaier, **M. Nasui**, C. Munteanu, and F. Babota, "Microscopical and Macroscopical Analysis of Recovered Bricks for Assessing Their Reusability in Masonry Buildings," in 13th ***International Conference Interdisciplinarity in Engineering***. vol. 46, L. Moldovan and A. Gligor, Eds., ed, (2020) 144-149. (link)
24. M. S. Gabor, T. Petrisor, **M. Nasui**, M. A. Nsibi, J. Nath, and I. M. Miron, "*Spin-orbit Torques and Magnetization Switching in Perpendicularly Magnetized Epitaxial Pd/Co2FeAl/MgO Structures*," ***Physical Review Applied***, 13 (2020) 054039. – Q1 (link)
25. I. Benguettat-El Mokhtari, D. Ourdani, Y. Roussigne, R. B. Mos, **M. Nasui**, F. Kail, L. Chahed, S. M. Cherif, A. Stashkevich, M. Gabor, and M. Belmeguenai, "*Perpendicular magnetic anisotropy and interfacial Dzyaloshinskii-Moriya interaction in as grown and annealedX/Co/Yultrathin systems*," ***Journal of Physics-Condensed Matter***, 32 (2020) 495802. – Q3 (link)
26. I. Benguettat-El Mokhtari, D. Ourdani, Y. Roussigne, R. B. Mos, **M. Nasui**, S. M. Cherif, A. Stachkevich, M. S. Gabor, and M. Belmeguenai, "*Investigation of the correlation between perpendicular magnetic anisotropy, spin mixing conductance and interfacial Dzyaloshinskii-Moriya interaction in CoFeB-based systems*," ***Journal of Physics D-Applied Physics***, 53 (2020) 505003. – Q2 (link)
27. Gabor, M.S., **M. Nasui**, and A. Timar-Gabor, *Perpendicular magnetic anisotropy in Pt/Co-based full Hensler alloy/MgO thin-film structures,* ***Physical Review B***, 100 (2019) 14. – Q2 (link)
28. Belmeguenai, M., Y. Roussigne, S. M. Cherif, A. Stashkevich, T. Petrisor, **M. Nasui**, and M. S. Gabor , *Influence of the capping layer material on the interfacial Dzyaloshinskii-Moriya interaction in Pt/Co/capping layer structures probed by Brillouin light scattering,* ***Journal of Physics D-Applied Physics***, 52 (2019) 12. – Q2 (link)
29. L. Piperno, A. A. Armenio, A. Vannozzi, V. Galluzzi, V. Pinto, F. Rizzo, A. Augieri, A. Mancini, A. Rufoloni, G. Celentano, R. B. Mos, L. Ciontea, **M. Nasui**, M. Gabor, T. Petrisor, and G. Sotgiu, "*Surface Decoration as a Prospective Artificial Pinning Strategy in Superconducting YBa2Cu3O7-x Films*," ***IEEE Transactions on Applied Superconductivity*** 28 (2018) 1-5. – Q3 (link)
30. M Belmeguenai, Y Roussigné, H Bouloussa, SM Chérif, A Stashkevich, **M Nasui**, MS Gabor, A Mora-Hernández, B Nicholson, O-O Inyang, AT Hindmarch, L Bouchenoire, *Thickness Dependence of the Dzyaloshinskii-Moriya Interaction in Co2FeAl Ultrathin Films: Effects of Annealing Temperature and Heavy-Metal Material,* ***Physical Review Applied*** 9 (2018) 044044. – Q1 (link)
31. B.V. Neamţu, **M. Nasui**, T.F. Marinca, F. Popa, I. Chicinaş, *Soft magnetic composites based on hybrid coated Fe-Si nanocrystalline powders*, ***Surface & Coatings Technology*** 330 (2017) 219–227. – Q1 (link)
32. N. P. Kostiantyn Torokhtii, Anna Frolova, Valentina Pinto, Achille Angrisani Armenio, Laura Piperno, Giuseppe Celentano, Traian Petrisor, Lelia Ciontea, Ramona B. Mos, **Mircea Nasui**, Giovanni Sotgiu, and E. Silva, "*Microwave measurements of pinning properties in chemically deposited YBCO/BZO films*," ***IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY*** 27 (2017) 8000405– Q3 (link)
33. M. S. Gabor, T. Petrisor, R. B. Mos, **M. Nasui**, and C. Tiusan, "Interlayer exchange coupling in perpendicularly magnetized Pt/Co/Ir/Co/Pt structures," Journal of Physics D-Applied Physics, vol. 50, Nov (2017) 465004. – Q2 (link)
34. R. B. Mos, T. Petrisor, **M. Nasui**, A. Mesaros, M. S. Gabor, M. Senila, E. Ware, L. Ciontea, "*Epitaxial La0.7Sr0.3MnO3 nanostructures obtained by polymer-assisted surface decoration (PASD)*," ***Materials Letters***, 171 (2016) 281-284. – Q2 (link)
35. M. S. Gabor, T. Petrisor Jr., R. B. Mos, A. Mesaros, **M. Nasui**, M. Belmeguenai, F. Zighem and C Tiusan, *Spin–orbit torques and magnetization switching in W/Co2FeAl/MgO structures*, **J. *Phys. D: Appl. Phys.*** 49 (2016) 365003 (7pp). – Q2 (link)
36. T. Dippong, E. A. Levei, C. Tanaselia, M. Gabor, **M. Nasui**, L. Barbu Tudoran, G. Borodi, "*Magnetic properties evolution of the CoxFe3-xO4/SiO2 system due to advanced thermal treatment at 700 °C and 1000 °C*," ***Journal of Magnetism and Magnetic Materials***, 410 (2016) 47-54. – Q3 (link)
37. R.-A. Bortnic, F. Goga, A. Mesaroş, **M. Nasui**, B. S. Vasile, D. Roxana, And A. Avram, "Synthesis of Cobalt Ferrite Nanoparticles Via A Sol-Gel Combustion Method," Studia Universitatis Babes-Bolyai, Chemia, 61 (2016). – Q4 (link)
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