

Curriculum Vitae

Personal information

First name(s) / SURNAME(S)
Current position
Affiliation
Department
Address(es)
Telephone(s)
E-mail
Date of birth
Gender

Jana RADAKOVIĆ

Assistant research professor

Vinča Institute of Nuclear Sciences, University of Belgrade, Serbia

Laboratory for nuclear and plasma physics

Mike Petrovića Alasa 12-14, Vinča, Belgrade, Serbia

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23.06.1982.

Female

Education

Dates
Title of qualification awarded
Principal subjects/occupational skills covered
Name and type of organisation providing education and training
Dates
Title of qualification awarded
Principal subjects/occupational skills covered
Name and type of organisation providing education and training

2009

MSc

Ab initio theoretical calculations of structure and ground state energy of Hf₂Ni intermetallic compound

Faculty of physical chemistry, University of Belgrade, Serbia

2013

PhD

Electronic structure and electric field gradients of HfV₂ and ZrV₂ intermetallic compounds – pure, doped with tantalum and cadmium, and their hydrides

Faculty of physical chemistry, University of Belgrade, Serbia

Research interests

- ♦ Modelling of new materials
- ♦ Renewable energy sources
- ♦ Computational materials science

Citations/ h-index

118 / h= 7

Participation in the national projects

Project title /Dates
Occupation or position held
Project title /Dates
Occupation or position held

Investigation of intermetallics and semiconductors for renewable energy application, 2011-today

Researcher

Nanostructural, multifunctional materials and nanocomposites, – 2011 – today

Researcher

Participation in the international projects

Project title /Dates
Occupation or position held
Project title/Dates
Occupation or position held
Project title /Dates
Occupation or position held

Efficiency improvement of hydrogen production and storage processes – experimental and theoretical aspects, 2013-2014

Researcher

Modern Tools for Spectroscopy on Advanced Materials: a European Modelling Platform, 2015-2018

Researcher

Advanced materials research toward efficient 2-in-1 system for hydrogen production and storage, 2015-2016

Researcher

Project leadership

Project title /Dates
Project title /Dates

Investigation of catalytic and physical properties of Gd-Cu-Ca alloy, 2016-2017

Metal hydrides-energetic materials, 2016-2017

Reviewer of a journal

Title of the journal

Journal of Physical Chemistry

Physical Chemistry Chemical Physics

International journal of hydrogen energy

Journal of alloys and compounds

Computational materials science

Membership in scientific Committees & Boards

- ◆ Member of the organizational board „Third International Symposium on materials for energy storage and conversion“, September 10-12.2018. Belgrade, Serbia
- ◆ Member of the scientific programme board “*The 2nd Workshop of French, Croatian and Serbian Researchers on Hydrogen Storage and Energy Related Materials*”, 03-04.10.2017., Vinca Institute, Belgrade, Serbia
- ◆ Member of scientific programme board „*Workshop of French, Croatian and Serbian Researchers on Hydrogen Storage and Energy Related Materials*“, 18-19.10.2016., Vinca Institute, Belgrade, Serbia

Memberships in scientific and technical societies

- ◆ Vacuum Society of Serbia

Selected Papers in last 5 years

1. **J. Radaković**, K. Batalović, A. Umićević, G. I. Miletić, **Theoretical investigation of interaction of hydrogen and intermetallic compound YCo₅**, (2017) Journal of Alloys and Compounds, vol. 726, pp. 1085 – 1091
2. M.Čebela, D.Zagorac, K.Batalović, **J.Radaković**, B.Stojadinović, V. Spasojević, R. Hercigonja, **BiFeO₃ perovskites: A multidisciplinary approach to multiferroics**, Ceramics International Volume 43, Issue 1, Part B, January 2017, Pages 1256-1264
3. **Radaković J.**, Batalović K., Mađarević I., Belošević-Čavor J., **Interstitial hydrogen in Laves phases-local electronic structure modifications from first-principles**, (2014) RSC Advances, Vol. 4 (97), pp. 54769-54774.

Congresses and conferences attended -last 3 years

1. 3rd International Symposium on Materials for Energy Storage and Conversion (mESC-IS) 10-12.09.2018., Belgrade, Serbia
2. ROSOV PINN Third Regional roundtable: Refractory, process industry, nanotechnology and nanomedicine, 1-2.06.2017., Belgrade, Serbia
3. The 2nd Workshop of French, Croatian and Serbian Researchers on Hydrogen Storage and Energy Related Materials, 3-4. Oct. 2017., Belgrade, Serbia
4. The 12th Conference for Young Scientists in Ceramics, 18. - 21. Oct, 2017, Novi Sad, Serbia
5. Workshop of French, Croatian and Serbian Researchers on Hydrogen Storage and Energy Related Materials, 18. - 19. Oct, 2016., Belgrade, Serbia
6. 2nd International Meeting on Materials Science for Energy Related Application, 29-30.09.2016., Belgrade, Serbia