

# Curriculum Vitae



## Personal information

First name(s) / SURNAME(S)

Current position

Affiliation

Department

Address(es)

Telephone(s)

E-mail

Date of birth

Gender

**Igor MILANOVIĆ**

**Assistant research professor**

Vinča Institute of Nuclear Sciences, University of Belgrade, Serbia

Laboratory of physics 010

12-14 Mike Petrovića Alasa, 11001 Belgrade, Serbia

+381 11

Mobile: +381 64 26 27 994

[igorm@vinca.rs](mailto:igorm@vinca.rs)

[gilemilanovic@gmail.com](mailto:gilemilanovic@gmail.com)

29.09.1987.

Male

## Education

Dates

Title of qualification awarded

Principal subjects/occupational skills covered

Name and type of organisation providing education and training

From November 2011 to July 2015

Doctor of Philosophy (PhD)

Synthesis and characterisation of complex and metallic hydrides for hydrogen energy applications

Faculty of Physical Chemistry, University of Belgrade, 12-16, Studentski trg, 11000 Belgrade, Serbia

Dates

Title of qualification awarded

Principal subjects/occupational skills covered

Name and type of organisation providing education and training

From October 2010 to November 2011

Master in Science (MSc)

Theoretical study of surface effects on hydrogen desorption kinetics of MgH<sub>2</sub>

Faculty of Physical Chemistry, University of Belgrade, 12-16, Studentski trg, 11000 Belgrade, Serbia

Dates

Title of qualification awarded

Principal subjects/occupational skills covered

Name and type of organisation providing education and training

From October 2006 to November 2010

Graduate degree in physical chemistry (BSc)

Oxygen reduction reaction on anodic formed TiO<sub>2</sub> – influence of film size

Faculty of Physical Chemistry, University of Belgrade, 12-16, Studentski trg, 11000 Belgrade, Serbia

## Research interests

- ♦ Hydrogen storage
- ♦ Vacuum science
- ♦ Vacuum science
- ♦ Hydrogen production
- ♦ Materials science

## Citation/h-index

100 / h=6

## Participation in the national projects

Project title /Dates

Occupation or position held

“Synthesis processing and characterization of nanostructured materials for application in the fields of energy, mechanical engineering, environment and biomedicine” / 2011-

Researcher

## Participation in the international projects

Project title /Dates	"Nanostructured materials for solid-state hydrogen storage"- MPNS COST Action MP1103 / 2011-2015
Occupation or position held	Researcher
Project title /Dates	Working on synthesis of hydrides and thermal characterization under the <b>bilateral project Spain-Serbia</b> : "Effects of low energy ion irradiation on the catalytic activity magnesium and magnesium based intermetallic compounds" / 2010 - 2011
Occupation or position held	Researcher
Project title /Dates	Working on microrstructural characterization of composite materials under <b>bilateral project Slovenia-Serbia</b> : "Microstructural investigation of materials for hydrogen storage and correlation with desorption properties" / 2011 - 2012
Occupation or position held	Researcher
Project title /Dates	Working on thermal characterization of reactive composite hydrides under <b>bilateral project Italy-Serbia</b> : "Nanostructural reactive hydride composites for hydrogen storage" / 2012 - 2013
Occupation or position held	Researcher
Project title /Dates	Working on synthesis and characterization of composite hydrides under <b>bilateral project France-Serbia</b> : "Nanostructural composite materials for solid state hydrogen storage" / 2016 - 2017
Occupation or position held	Researcher
Project title /Dates	Working on synthesis and characterization of ammonia borane based hydrides under <b>bilateral project Croatia-Serbia</b> : "Ammonia borane and it's derivates for solid state hydrogen storage" / 2016 - 2017
Occupation or position held	Researcher

## Membership in scientific Committees & Boards

- ♦ 2017 – program and organisation committee of workshop: The second workshop of French, Croatian and Serbian Researchers on Hydrogen Storage and Energy Related Materials, Belgrade 3-4.10.2017.
- ♦ 2016 – program and organisation committee of workshop: The first workshop of French, Croatian and Serbian Researchers on Hydrogen Storage and Energy Related Materials, Belgrade 18-19.10.2016.
- ♦ 2012 – Vice-president, program and organisation committee at conference: „The 1st European Early Stage Researchers' Conference on Hydrogen Storage“, Belgrade 3-5.12.2012.

## Memberships in scientific and technical societies

- ♦ Materials Society of Serbia
- ♦ Serbian Chemical Society
- ♦ Serbian society for microscopy
- ♦ Society of Physical Chemists of Serbia
- ♦ Cofounder and supervisor secretary of society: Hydrogen storage Initiative Serbia
- ♦ Member of CONVINCENCE centre of excellence

## Prizes and awards

- ♦ Special acknowledgment of Serbian Chemical Society for results achieved during studies

## Selected Papers in last 5 years

1. Nikola Biliškov, Andreas Borgschulte, Krunoslav Užarević, Ivan Halasz, Stipe Lukin, Sanja Milošević, **Igor Milanović**, Jasmina Grbović Novaković, **In-situ and Real-time Monitoring of Mechanochemical Preparation of  $\text{Li}_2\text{Mg}(\text{NH}_2\text{BH}_3)_4$  and  $\text{Na}_2\text{Mg}(\text{NH}_2\text{BH}_3)_4$  and their Thermal Dehydrogenation**, Chemistry A European Journal (2017), 23, 16274 – 16282.
2. Sandra Kurko, **Igor Milanović**, Jasmina Grbović Novaković, Nenad Ivanović, Nikola Novaković, **Investigation of surface and near-surface effects on hydrogen desorption kinetics of  $\text{MgH}_2$** , International Journal of Hydrogen Energy 39 (2014) 862-867.

## Congresses and conferences attended -last 3 years

- 2018 - 16<sup>th</sup> international symposium on Metal-Hydrogen Systems, 28.10. - 2.11.2018., Guangzhou, China
- 2018 – 3<sup>rd</sup> International conferences of materials for energy storage and conversion, Belgrade 10-12.09.2018.
- 2017 - Solid-State Science & Research, Department of Chemistry, Faculty of Science, Zagreb, 28.-30.2017.
- 2016 - Hydrom 2016 Hydrides as energy materials, symposium / summer school, Aarhus, Denmark, 1 – 3.6.2016.

