

## The activity of nanomaterials in photocatalysis

Krichevskaya, Marina Proceedings 2023 / art. 23 <https://doi.org/10.3390/proceedings2023092023>

## Advancing green hydrogen production : synthesizing and analyzing nickel and iron micro-flower shaped electrocatalysts on Ni-mesh for alkaline water electrolysis

Jäger, Rutha; Valk, Peeter; Grozovski, Vitali; **Volobujeva, Olga**; Prits, Alise-Valentine; Maide, Martin; Küngas, Rainer; Lust, Enn; Nerut, Jaak 246th ECS Meeting PRiME 2024; Honolulu, Hawaii, USA; October 6-11, 2024 <https://doi.org/10.1149/MA2024-02422814mtgabs>

## An improved interface converter for a medium-power wind-hydrogen system

**Vinnikov, Dmitri; Hõimoja, Hardi; Andrijanoviš, Anna; Roasto, Indrek; Lehtla, Tõnu**; Klytta, Marius 2nd International Conference on Clean Electrical Power Renewable Energy Resources Impact : Capri (Italy) June 9-11, 2009 2009 / p. 426-432 : ill <https://ieeexplore.ieee.org/document/5212019>

## Analysis of state-of-the-art converter topologies for interfacing of hydrogen buffer with renewable energy systems

**Andrijanoviš, Anna**; Steiks, Ingars; **Zakis, Janis; Vinnikov, Dmitri** Scientific journal of Riga Technical University. Serija 4, Power and electrical engineering 2011 / p. 87-94 : ill <https://ui.adsabs.harvard.edu/abs/2011SJRP...29...87A/abstract>

## Argo Rosin, Imre Drovтар: Rohepööre transpordis on utoopiline [Võrguväljaanne]

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## Baltic Sea water tritium and stable isotopes in 2016-2017

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## Comparison of interface converter topologies for small- or medium-power wind-hydrogen systems

**Andrijanoviš, Anna; Vinnikov, Dmitri; Hõimoja, Hardi**; Klytta, Marius 6th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology : [Kuressaare, January 12-17, 2009] 2009 / p. 122-127 : ill

## The cost-competitiveness of concentrated solar power with thermal energy storage in power systems with high solar penetration levels

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## Eesti Energia rajab Ida-Virumaale rohelisse tulevikku sobituvat keemiatööstust

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## Effect of water on the hydrogen bond formation in Estonian kukersite kerogen as revealed by molecular modelling

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## Efficient dark fermentative hydrogen production from enzyme hydrolyzed rice straw by Clostridium pasteurianum (MTCC116)

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### **Hydrogen interaction with point defects in the Si-SiO<sub>2</sub> structures and its influence on the interface properties**

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### **Hydrogen post-treatment enhances the electrochemical activity of Pt-CeO<sub>2</sub>/C catalysts**

Nguyen, Huy Quí Vinh; Kasuk, Heili; Härmas, Meelis; Aruväli, Jaan; **Volobujeva, Olga**; Härk, Eneli; Kochovski, Zdravko; Lust, Enn; Nerut, Jaak 8th Baltic Electrochemistry Conference. Conference Abstract 2024 / 1 p. [https://sisu.ut.ee/wp-content/uploads/sites/638/nguyen\\_huy\\_qui\\_vinh\\_.pdf](https://sisu.ut.ee/wp-content/uploads/sites/638/nguyen_huy_qui_vinh_.pdf)

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### **Hydrogen states in mixed-cation CuIn(1-x)Ga<sub>x</sub>Se<sub>2</sub> chalcopyrite alloys : a combined study by first-principles density-functional calculations and muon-spin spectroscopy**

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### **Impurity interaction with point defects in the Si-SiO<sub>2</sub> structures and its influence on the interface properties**

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### **Investigation of the solar cell materials Cu(In,Ga)Se<sub>2</sub> and Cu<sub>2</sub>ZnSnS<sub>4</sub> with muon spin spectroscopy and density-functional calculations**

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### **Kommipaberitestja tuulikulabadest saab vesinikku**

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### **Multifunctional catalysts in the asymmetric Mannich reaction of malononitrile with N-Phosphinoylimines : coactivation by halogen bonding versus hydrogen bonding**

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## Techno-economic analysis of hydrogen buffers for distributed energy systems

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