

Conferences

(PSE 2024) International Conference on Plasma Surface Engineering

Sep 2024

Kumar, N., Haviar, S., Capek, J., Shaji K., Zeman P., Baroch, P.

- *"Sputter deposited CuO-WO₃ Nanostructures for the Application of Gas Sensing. Erfurt, Germany 2024. (Oral Presentation)*

(ICAMET 23) International Conference on Advanced Materials for Emerging Technology

May 2023

Kumar, N., Haviar, S., Capek, J., Zeman P., Baroch, P.

- *"WO₃ Based Hydrogen Gas Sensors Prepared by Advanced Magnetron sputtering technique. NSUT, Delhi, India 2023. (Oral Presentation)*

International Conference on Diamond and Carbon Materials

Jul 2022

Rezek, B., Kumar, N., Kulicek, J., Potocky, S., Hematian, H., Dzurnak, B., Kormka, A.

- *"Charge and Energy Transfer on SiV Centers in Diamond Nanostructures. Lisbon, Portugal 2022. (Oral Presentation)*

IWTPV 2022 – International Workshop on Teaching in Photovoltaics

Jul 2022

Kumar, N., Haviar, S.

- *"Hydrogen Interactions with Nanostructured Metal-oxide Thin Films Prepared by Advanced Magnetron Sputtering. Prague, Czech Republic 2022. (Poster Presentation)*

EUROMAT 2021 – Virtual Conference

Sep 2021

Kumar, N., Haviar, S., Rezek, J., Zeman P., Baroch, P.

- *"HiPIMS deposited Pd-WO_{3-x} Thin Films with tuned Structure and stoichiometry for Hydrogen Gas Sensing. Graz, Austria 2021. (Oral Presentation)*

I3S 2021 8th Symposium on sensor science– Dresden, Germany

May 2021

Kumar, N., Haviar, S., Čapek, J., Batkova, Š., Rezek, J., Zeman P., Baroch, P.

- *"Tungsten Oxide Based Hydrogen Gas Sensor Prepared by Advanced Magnetron Sputtering Techniques". Dresden, Germany, 2021. (Poster Presentation)*

ICMCTF 2021 – San Diego, USA (Virtual)

Apr 2021

Kumar, N., Haviar, S., Čapek, J., Batkova, Š., Rezek, J., Zeman P., Baroch, P.

- *"Nanostructures CuO -WO₃ Thin Films for hydrogen gas sensing Prepared by Advanced Magnetron Sputtering Techniques". San Diego, U.S.A., 2021. (Oral Presentation)*

PSE Satellite 2020 – Prague, Czech Republic

Feb 2020

Kumar, N., Haviar, S., Baroch, P.

- *"Reactive sputter deposited CuWO₄ / WO₃ nanostructured bilayers for hydrogen gas sensing". Prague, Czech Republic, 2020. (Poster Presentation)*

RSD 2019 – Braunschweig, Germany

Dec 2019

Kumar, N., HAVIAR, S., REZEK, J., BAROCH, P.

- *"Reactive sputter deposited CuWO₄ / WO₃ nanostructured bilayers for hydrogen gas sensing". Braunschweig, Germany, 2019. (Oral Presentation)*

EMRS 2019 – Nice, France

May 2019

Kumar, N., Haviar, S., Baroch, P.

- *"Hydrogen gas sensor based on WO₃ and CuO thin films and nanoclusters". Nice, France, 2019. (Poster Presentation)*

ICMCTF 2019 – San Diego, USA

Apr 2019

Haviar, S., Čapek, J., Batkova S., **Kumar, N.**

- *“Nanocluster-Based Metal Oxide Films for Hydrogen Gas Sensing”*. San Diego, USA, 2019. (**Oral Presentation**)

PSE 2018 – Garmisch-Partenkirchen, Germany

Sep 2018

Kumar N., Haviar, S., Čapek, J., Batkova, S., Baroch, P.

- *“Nanostructured Metal-Oxide Based Hydrogen Gas Sensor Prepared by Magnetron Sputtering”*. Garmisch-Partenkirchen, Germany 2018. (Poster Presentation)

SAV 2017 – Pilsen, Czech Republic

May 2018

Kumar, N., Haviar, S., Čapek, J., Batkova, Š., Baroch, P.

- *“Nanostructured metal-oxide based hydrogen gas sensor prepared by magnetron sputtering”*. SAV Pilsen Czech Republic 2017

