

Feature Papers of Coatings for Energy Applications

Collection Editor:

Dr. Emerson Coy

NanoBioMedical Centre, Adam
Mickiewicz University in Poznań,
ul. Wszechnicy Piastowskiej 3, 61-
614 Poznań, Poland

Message from the Collection Editor

Dear Colleagues,

We are pleased to announce this Special Issue entitled “Feature Papers of Coatings for Energy Applications”. This Special Issue aims to cover manuscripts combining rigorous coating technology development with novel applications in energy-related fields. We welcome contributions that provide clear improvements in designing, understanding, integrating, and developing energy production/storage coatings. Topics of interest include, but are not limited to:

- Printable, tailored or nanostructured coatings for:

- Hydrogen production/storage;
- Photovoltaic materials (solar cell materials, solar absorbers, etc.);
- Photocatalytic coatings;
- Fuel cells/batteries;
- Supercapacitors;
- Electrochemically stable electrodes/coatings;
- Catalytically active coatings;
- Thermo/electrochromic coatings;
- Thermoelectric materials;
- Smart materials;
- Wind, geothermal, and wave energy application.

- Theoretical studies on protective coatings in energy fields.
- Mechanical and tribological aspects of active coatings.
- Functionally graded composites/nanocomposites.



Editors-in-Chief

Prof. Dr. Wei Pan

State Key Laboratory of New
Ceramics and Fine Processing,
School of Materials Science &
Engineering, Tsinghua University,
Beijing 100084, China

Dr. Emerson Coy

NanoBioMedical Centre, Adam
Mickiewicz University in Poznań,
ul. Wszechnicy Piastowskiej 3, 61-
614 Poznań, Poland

Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

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Contact Us

Coatings Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

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