

Special Issue

Tribology and Tribo-Related Applications of Nanocomposites

Message from the Guest Editor

The study into the tribological nature of nanocomposites, as well as the related surface science, wear mechanics, material design, and tribological measurement advances, has yielded many exciting results in recent years. Considering the rapid development and huge demands for the design of novel nanocomposites for tribological and related applications, this Special Issue focuses on “Tribology and Tribo-Related Applications of Nanocomposites”. In particular, topics of interest include, but are not limited to, the following:

- Design of novel nanocomposites (polymers, metals/alloys, and ceramics) for tribology;
- Advanced technologies for tribo-measurements in nanocomposites;
- Modeling and simulation of tribology in nanocomposites;
- Fundamental science related to the tribological performance of nanocomposites;
- Extended applications of nanocomposites in tribo-related fields;
- Insightful opinions and comments on the tribo-research of nanocomposites.

Guest Editor

Dr. Shuaihang Pan

Department of Mechanical and Aerospace Engineering, University of California-Los Angeles, Los Angeles, CA 90095, USA

Deadline for manuscript submissions

closed (20 October 2022)



Coatings

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.1



mdpi.com/si/97142

Coatings
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
coatings@mdpi.com

[mdpi.com/journal/
coatings](https://mdpi.com/journal/coatings)





Coatings

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.1



[mdpi.com/journal/
coatings](https://mdpi.com/journal/coatings)



About the Journal

Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies 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 in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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

Author Benefits

Open Access

– free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Physics, Applied) / CiteScore - Q2 (Surfaces, Coatings and Films)