Special Issue

Applications of X-ray Photoelectron Spectroscopy (XPS)

Message from the Guest Editor

X-ray photoelectron spectroscopy (XPS) emerged as a powerful method for the characterization of composition, chemical state of atoms, and the electronic structure of solid surfaces. At present, XPS is also widely used for studying buried layers, interfaces, biological materials, and even liquids, including in situ and in operando, in such applications as catalysis, electronics, materials science and nanotechnology. power sources, biomedicine, Earth sciences, mineral processing and ecology, and so on. We invite authors utilizing conventional XPS and synchrotron-based photoelectron spectroscopy, in particular, high-energy photoemission spectroscopy (HAXPES), near-ambient pressure XPS, and so forth, in various fields of applied sciences and technology to submit original research articles, communications, or review articles to this Special Issue. Manuscripts devoted to new developments in these and related techniques also are welcomed.

Keywords: X-ray photoelectron spectroscopy; surface and interface characterization; materials science; catalysis; electronics; nanomaterials; Earth science; mineral processing

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Deadline for manuscript submissions

closed (7 December 2020)



Applied Sciences

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Impact Factor 2.5 CiteScore 5.5



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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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