

Special Issue

Plasma Catalyzed Industrial and Biomedical Chemistry: Pathways and Applications

Message from the Guest Editors

The plasma parameters one can manipulate include the chemical reaction rate coefficients, different temperatures for each species, macroscopic fluid dynamics, radiation, the scattering of external electromagnetic signals, etc. These unique features form the core of modern plasma technologies such as biomedical engineering, aerospace electric propulsions, nuclear fusion reactors, semiconductors, and nanomaterial fabrications. This Special Issue will focus on the cutting edge applications and fundamental studies significantly relying on plasma chemistry. Topics of interest include but are not limited to plasma etching, plasma-enhanced chemical vapor depositions, arc-discharge nanosynthesis, cold atmospheric plasma cancer therapy, plasma purification of microorganisms, and decomposition of pollutants.

Roca

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