



Advanced Smart Materials for Sensor Technology

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Message from the Guest Editors

Sensors are an integrable part of modern technologies and thus very important for sustainability as they are the eyes of the control systems which keep all the processes running. All safety warnings are generated by sensing signals, which then are used to shut down uncontrollable devices or to readjust input parameters, so as to maintain our every day technological processes within acceptable safety limits. The modern trends in sensor technology are miniaturization due to size/weight restrictions, multi-parameter sensing, improved sensitivity, integration/embedding. These trends can only be realized with the use of new, advanced, smart materials utilizing both new and conventional research fields such as nanotechnology, large scale integration, flexible design, composite material synthesis, signal processing etc. The scope of the current issue is to bring all these edge research fields in one issue so as to serve as a reference for tomorrow's sensor technology. As new materials with fascinating properties are continuously developed, the current issue will enrich the up-to-date literature on sensing materials with the new advances.





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