The Progress on the Recent Patents on Nanotechnology Contributions

EDITORIAL

The Recent Patents on Nanotechnology journal was created six years ago with the aim to deserve as an essential reading for researchers in academia and industry that are interested in Nanotechnology applications. By the first time, in 2011 this journal was indexed and abstracted in the ISI Web of Knowledge, Thomson Reuters, with a 0.949 impact factor (2010), which has increased to 1.275 in the last actualization (2011). This feature points out to a consolidation of the Journal that hopefully will continue in the incoming future issues.

The Nanotechnology world is more and more growing up. Consequently, the number and the impact of publications is always increasing. See in this case the ISI web data reporting for 2010 to 2011 showing an increase from 5609 to 5988 publications on Nanotechnology appeared in all its indexed journals and other data base sources. The most cited topics refer to graphene and other carbon nanomaterials, nanocatalysts, Li-batteries components, as well as nanomaterials for transistors and solar cells applications. Nanocomposites and nanoplatforms for pharmaceutical and biomedical applications maintain their impact as in precedent years. Novel developments in Nanotechnology are also reflected in Patents related to these topics with particular incidence in graphene, nanocomposites materials and nanomedicine according to the WIPO Espacenet database. These topics have been addressed in the latest articles published in Recent Patents in Nanotechnology. Therefore our journal keeps on offering publications related to Patents within the most actualized topics in Nanotechnology.

The 2012 volume of Recent Patents on Nanotechnology collects original articles and review papers dealing with topical issues of current interest. With a total of 22 contributions, published papers are related to patents on graphene and other carbonbased nanomaterials, nanoparticles for diverse applications, technologies for nanodevices development and different nanostructured systems. The impact of specific nanomaterials and their applications in the market and in the human health has also been included as original contributions in this volume. Of special relevance is the publication of a Hot Topic issue on Layered Double Hydroxide (LDH) Nanomaterials showing the versatility for application in diverse fields from drug delivery nanoplatforms to protective coatings or nanocomposites. Dr. Fabrice Leroux from the CNRS-Université Blaise Pascal in France acted as Guest Editor of this special issue. We acknowledge his effort to provide a complete and update stat of art of nanotechnology of LDH materials.

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