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In this issue

Review Article

Open Access Review Article PTZAID:IJNNN-9-153

Recent advances in nanotechnology

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Author(s): Mahendra Kumar Sahu*, Rajni Yadav and Sandeep Prasad Tiwari

Introduction: Recent advances in nanotechnology have shown significant progress in various fields. Nanotechnology involves the manipulation and control of matter at the nanoscale, typically ranging from 1 to 100 nanometers. This field has the potential to revolutionize industries such as electronics, medicine, energy, and materials science. Nanotechnology has led to t ...

Abstract View Full Article View DOI: 10.17352/2455-3492.000053

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Marine fouling: Factors affecting biofouling and future perspectives

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Author(s): Nikolaos D Papadopoulos*, Polyxeni Vourna, Sotirios Xafakis, Nikos Stefanakis and Paraskevi Vourna

Biofouling of the hulls of ships and vessels, caused by the colonization of animals and plants, is an ongoing problem for the shipping industry. Biofouling evokes surface roughness, which results in higher fuel consumption, emissions, and operating costs. Mitigation of biofouling is a complex problem and the effectiveness of any given approach depends on many factors. ...

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Short Communication

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Micro/nanosized ferrite and hexaferrite structures: The polyol processes for synthesis

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Author(s): Nguyen Viet Long*, Nguyen Thi Nhat Hang and Ho Van Cuu

In this research, controlled synthesis and properties of micro/nano-sized magnetic oxide powders via a polyol process are discussed. They are the original magnetic oxides that have been studied by many scholars because of their many applications. The most special forms are the diversity of FeO and Fe2O3, and the diversity of the Fe3O4 matrix which are the most importa ...

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