2018 | Volume Volume - 3 - Issue Issue - 1

In this issue

Research Article

Open Access Research Article PTZAID:IJNNN-3-119

Synthesis, Characterization and Antibacterial Activity of Ciprofl oxacin Loaded Polymer Nanoparticles for Parenteral Application

Published On: April 04, 2017 | Pages: 034 - 043

Author(s): Margarita Y Simeonova*, Dragomir Krystev, Galya Ivanova, Isaac Abrahams, Nely Georgieva and Tsvetelina Angelova

Different polymerization techniques as particle formation processes for ciprofl oxacin-loaded poly (butyl cyanoacrylate) nanoparticles (CfH-PBCN) were evaluated to choose the most appropriate in terms of the resulting nanoparticles characteristics suitable for parenteral administration. ...

Abstract View Full Article View DOI: 10.17352/2455-3492.000019

Open Access Research Article PTZAID:IJNNN-3-118

Synthesis of Nanocomposition of Poly Acrylic Acid/Chitosan Coated-Magnetite Nanoparticles to Investigation of Interaction with BSA and IGG Proteins

Published On: March 06, 2017 | Pages: 027 - 033

Author(s): Hamidreza Shagholani* and Sayed Mehdi Ghoreishi

Among the nanomaterial being applied for treatment and diagnosis fi eld, magnetic NPs especially magnetite phase of iron oxide have been signifi cantly interested due to their natural magnetic properties. ...

Abstract View Full Article View DOI: 10.17352/2455-3492.000018

Open Access Research Article PTZAID:IJNNN-3-117

Prediction of Enhanced Dimerization inside Dilute Alloy Nanoparticles

Published On: January 31, 2017 | Pages: 023 - 026

Author(s): Micha Polak* and Leonid Rubinovich

According to a unique nano-confi nement effect of entropic origin, predicted by us several years ago for the equilibrium

state of chemical reactions, ...

Abstract View | Full Article View | DOI: 10.17352/2455-3492.000017

Open Access Research Article PTZAID:IJNNN-3-116

Two Faces of Curcumin; A Molecular Nutrition and an Anti-Cancer Agent

Published On: January 28, 2017 | Pages: 019 - 022

Author(s): Vahid Jahed, Ali Zarrabi* and Mohsen Hajisadeghian

Curcumin, a useful herbal medicine with anti-infl ammatory and anti-cancer properties is insoluble in water which restricts its therapeutic properties; ...

Abstract View | Full Article View | DOI: 10.17352/2455-3492.000016

Open Access Research Article PTZAID:IJNNN-3-115

Monodisperse Water-Stable Sio2- Coated Fluoride Upconversion Nanoparticles with Tunable Shell Thickness

Published On: January 20, 2017 | Pages: 015 - 018

Author(s): Tianxing Ji, Xinqiang, Xindong Wang, Qiang Zhou and Guanying Chen*

Monodisperse water-stable silica functionalization of upconversion nanoparticles are important for their applications in bio-imaging and bio-sensing. ...

Abstract View | Full Article View | DOI: 10.17352/2455-3492.000015

Open Access Research Article PTZAID:IJNNN-3-113

Highly Monodisperse Chitosan Nanoparticles Prepared by a Combined Triple-Method for Potential Use as Drug Carriers

Published On: January 11, 2017 | Pages: 001 - 006

Author(s): Mahya Safarzadeh, Shahed Taheri and Gity Mir Mohamad Sadeghi*

Chitosan (CS) as a biodegradable polymer with unique bio-attachment properties that makes it favorable to be used in biomedical applications. Insolubility in water is the problem with use of CS. ...

Abstract View | Full Article View | DOI: 10.17352/2455-3492.000013

Review Article

Open Access Review Article PTZAID:IJNNN-3-114

Reduced Graphene Oxide and Its Natural Counterpart Shungite Carbon

Published On: January 11, 2017 | Pages: 007 - 014

Author(s): Elena F Sheka*

Large variety of structure and chemical-composition of reduced graphene oxide (RGO) is explained from a quantum-chemical standpoint. ...

Abstract View **Full Article View** **DOI: 10.17352/2455-3492.000014**