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NMR (13C, 17O) and Vibration (IR/Raman) Studies of Poly-nuclear Carbonyls: A DFT Application

M L Sehgal,Seema Sharma, Subash Chander, Gupta and Susheel K Mittal

Department of Chemistry, Panjab University, India

Keywords: Chemical Shift, Shielding Tensor, Paramagnetic Tensor, Effective Spin \nHamiltonian, Valence Density, Magnetic Equivalence

2.

Clinical Efficacy of Florfenicol on Caprine Pasteurelossis

Özgül Mukaddes Elitok, Bülent Elitok, Selahattin Konak, Hasan Hüseyin Demirel

Department of Veterinary Medicine, University of Ankara, Turkey

Keywords: Florfenicol, Caprine, Pneumonia, Treatment

3.

Capacitance-based Frequency Adjustment of Micro Piezoelectric Vibration Generator

MAO Xinhua, HE Qing, CHU Dongliang

Department of Mechanical Engineering, Tsinghua University, China

Keywords: wireless sensor, microcantilever, piezoelectric generator, frequency adjustment, bending rigidity

4.

Modeling and Trajectory Tracking Control of a Redundant Robot

Claudio Urrea, John Kern

Robotics Laboratory, University of California, Berkeley, USA

Keywords: robots; redundant manipulators; dynamic model; controllers; simulation

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5.

Control Strategies Design for a three Degree Of Freedom Planar Robot

Claudio Urrea, Hugo Torres, John Kern

Department of Robotics, Universidad de Chile, Chile

Keywords: Predictive control , adaptive control , hyperbolic sine-cosine control , sliding mode control , manipulator robot

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6.

SYTHESIS OF 4-ARYL-3,4-DIHYDROPYRIMIDIN-2(1H)-(THI)ONES AS POTENTIAL ANTICONVULSANT AGENTS

Guo-Hua Gong, Di Wang, Ming Bian?Zhe-Shan Quan

Department of Chemistry, Fudan University, China

Keywords: Pyrimidine; Synthesis; Anticonvulsant; MES; Sc-PTZ

7.

Optical and electrical properties of Cu+-doped p-CuS and Sn4+-doped n-CuS films deposited by chemical bath deposition

H.-Y. He*, J. Fei, J. Lu

Department of Physics, Zhejiang University, China

Keywords: CuS; Film; Cation doping; Chemical bath deposition; Electrical property; Optical property

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8.

Three branches of NF-κB signaling pathway regulate hepatocyte proliferation in rat liver regeneration

Cui-fang Chang, Wei-ming Zhao, Jing Yang, Meng-hua Li,Yun Zhou, Cun-shuan Xu

Department of Biology, Fudan University, China

Keywords: Rat liver regeneration, NF-κB signaling pathway, Hepatocyte proliferation, Gene expression profile, Key genes

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9.

Irradiating the rats with different gamma radiation doses may induce inflammatory infection, changes in morphology and deformability of RBCs and disturbance in function of immune system efficiency

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Department of Physics and Astronomy, King Saud University, Saudi Arabia

Keywords: Gamma radiation; different radiation doses; complete blood count; rat; in vivo

10.

EVALUATION OF THE ANTICONULSANT ACTIVITY OF FLUVOXAMINE MALEATE IN VARIOUS EXPERIMENTAL SEIZURE MODELS IN KUNMING MICE

Li-Jun Yu1, Di Wang?Guo-Hua Gong? Cheng-Xi Wei

Department of Pharmacology, Fudan University, China

Keywords: Fluvoxamine Maleate; maximal electroshock; isoniazid; pentylenetetrazole; 3-mercapto-propionic acid