

# Table of Contents

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## Research Articles

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1.

### **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 Pasteurellosis**

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

*Department of Veterinary Medicine, University of Ankara, Turkey*

*Keywords: Florfenicol, Caprine, Pneumonia, Treatment*

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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*

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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*

---

**6.**

## **SYNTHESIS 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*

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**7.**

## **Optical and electrical properties of Cu<sup>+</sup>-doped p-CuS and Sn<sup>4+</sup>-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- $\kappa$ B 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- $\kappa$ B 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**

Authors: Mohamed Anwar K Abdelhalim<sup>1</sup>, Sherif A. Abdelmottaleb Moussa<sup>2</sup>, Alsheri Mohamed Ahmad Abd-Alhadi<sup>1</sup>Address:<sup>1</sup>Department of Physics and Astronomy, College of Science, King Saud University, Saudi Arabia<sup>2</sup>Al Imam Mohammad Ibn Saud Islamic University

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

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

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10.

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

Li-Jun Yu<sup>1</sup>, Di Wang<sup>2</sup>, Guo-Hua Gong<sup>2</sup>, Cheng-Xi Wei

*Department of Pharmacology, Fudan University, China*

*Keywords: Fluvoxamine Maleate; maximal electroshock; isoniazid; pentylenetetrazole; 3-mercaptopropionic acid*

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