



NanoScience Technology Center
Advanced Materials Processing and Analysis Center

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K-12/Undergraduate/REU
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BROCHURE

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INCREASING THE EFFICIENCY OF SOLAR CELLS WITH DOWN CONVERTING PHOTOLUMINESCENT ORGANIC MOLECULE CONJUGATED TiO₂ NANOPARTICLES

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DATA FITTING TO IZHIKEVICH'S QUADRATIC SPIKING NEURON MODEL

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EFFECT OF ANNEALING ON FULLERENE BLENDED CONJUGATED POLYMER NANOPARTICLES

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TRANSPARENT POLYMER ELECTRODES FOR FLEXIBLE ORGANIC SOLAR CELLS

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CARBON DOPED SiC CERAMIC DERIVED FROM POLYACRYLONITRILE AND OLIGOSILAZANE

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AN ORGANIC POLYMER PHOTOVOLTAIC DEVICE USING AN ALIGNED METALLIC CARBON NANOTUBE ELECTRODE

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SPECTRAL, MATERIAL, AND BIOLOGICAL PROPERTIES OF VARIOUS RARE EARTH OXIDES

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TRANSMISSION AND REFLECTION OF SURFACE PLASMON POLARITON IN A MULTI-DIELECTRIC CHAIN OF HYBRID METAL-SEMICONDUCTOR CORE-SHELL NANOPARTICLES

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DESIGN AND IMPLEMENTATION OF AN EFFICIENT SINGLE-FREQUENCY PHOSPHATE GLASS FIBER LASER

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FUNCTIONALIZATION OF NANOPARTICLES BY BIOCOMPATIBLE POLYMERS TO PREVENT SURFACE MODIFICATION BY COMMON IONS PRESENT IN BIOLOGICAL MEDIA

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FOLDING PROPERTIES OF THIOPHENE-BASED CONJUGATED POLYMER CHAINS

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DEVELOPMENT OF AN IN VITRO SYSTEM FOR THE CO-CULTURE OF SKELETAL MUSCLE CELLS AND MOTONEURONS FOR INVESTIGATING NEUROMUSCULAR JUNCTION FORMATION

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PHASE CHANGE NANO PARTICLES AND THEIR AFFECT ON HEAT TRANSFER FLUIDS

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TISSUE ENGINEERING THE MECHANOSENSORY CIRCUIT OF THE STRETCH REFLEX ARC WITH HUMAN STEM CELL-DERIVED SENSORY NEURONS AND RAT INTRAFUSAL MUSCLE FIBERS

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PREDICTION OF THERMODYNAMIC STABILITY AND SPECTRA OF H- AND J-AGGREGATES

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