

Prof. Dr. VASIF NEJAT HASIRCI

Kişisel Bilgiler

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Yönetilen Tezler

- HASIRCI V. N., DEVELOPMENT OF A BONE TUMOR MODEL UNDER IN VITRO CONDITIONS, Doktora, A.KÖMEZ(Öğrenci), 2019
- HASIRCI V. N., Doku mühendisliği yöntemi ile hastaya özel ortopedik implant tasarımı ve üretimi., Doktora, S.Büyüksungur(Öğrenci), 2019
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- HASIRCI V. N., HASIRCI N., Lumbar kemik defektleri için polimerik implant., Yüksek Lisans, B.Günay(Öğrenci), 2015
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- HASIRCI V. N., The effect of physical properties of the ELP-collagen based patterned surfaces on cell attachment and deformation, Yüksek Lisans, E.ANTMEN(Öğrenci), 2013
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- I. **Advances in In Vitro Blood-Air Barrier Models and the Use of Nanoparticles in COVID-19 Research**
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- II. **MgCa-Based Alloys Modified with Zn- and Ga-Doped CaP Coatings Lead to Controlled Degradation and Enhanced Bone Formation in a Sheep Cranium Defect Model**
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- III. **In vitro cytotoxicity, corrosion and antibacterial efficiencies of Zn doped hydroxyapatite coated Ti based implant materials**
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- IV. **Zn doped CaP coatings used for controlling the degradation rate of MgCa1 alloy: In vitro anticorrosive properties, sterilization and bacteria/cell-material interactions**
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- V. **Corrosion Resistance and Cytocompatibility of Magnesium-Calcium Alloys Modified with Zinc- or Gallium-Doped Calcium Phosphate Coatings**
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- VI. **A Cell Culture Chip with Transparent, Micropillar-Decorated Bottom for Live Cell Imaging and Screening of Breast Cancer Cells**
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- VII. **3D printed hybrid bone constructs of PCL and dental pulp stem cells loaded GelMA**
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- VIII. **Evaluating Oxygen Tensions Related to Bone Marrow and Matrix for MSC Differentiation in 2D and 3D Biomimetic Lamellar Scaffolds**
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- IX. **A Circulating Bioreactor Reprograms Cancer Cells Toward a More Mesenchymal Niche**
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- XII. **Amplification of nuclear deformation of breast cancer cells by seeding on micropatterned surfaces to better distinguish their malignancies**
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- XIII. **Anatomical meniscus construct with zone specific biochemical composition and structural organization**
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- XIV. **Methacrylated gelatin hydrogels as corneal stroma substitutes: in vivo study**
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- XVI. **Square prism micropillars on poly(methyl methacrylate) surfaces modulate the morphology and differentiation of human dental pulp mesenchymal stem cells**
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- XVIII. **Microfibrous scaffolds from poly(L-lactide-co-epsilon-caprolactone) blended with xeno-free collagen/hyaluronic acid for improvement of vascularization in tissue engineering applications**
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- XX. **Hydrogels of agarose, and methacrylated gelatin and hyaluronic acid are more supportive for in vitro meniscus regeneration than three dimensional printed polycaprolactone scaffolds**
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- XXI. **Engineered natural and synthetic polymer surfaces induce nuclear deformation in osteosarcoma cells**
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- XXII. **A novel GelMA-pHEMA hydrogel nerve guide for the treatment of peripheral nerve damages**
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- XXIV. **Effect of chemical structure on properties of polyurethanes: Temperature responsiveness and biocompatibility**
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- XXV. **PHBV wet-spun scaffold coated with ELR-REDV improves vascularization for bone tissue engineering**
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- XXVI. **Micro and Nanofabrication methods to control cell-substrate interactions and cell behavior: A review from the tissue engineering perspective**
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- XXIX. **Development of PEI-RANK siRNA Complex Loaded PLGA Nanocapsules for the Treatment of Osteoporosis**
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- XXX. **Mimicking corneal stroma using keratocyte-loaded photopolymerizable methacrylated gelatin hydrogels**
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- XXXIII. **PCL and PCL-based materials in biomedical applications**
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- XXXVI. **Development of a UV crosslinked biodegradable hydrogel containing adipose derived stem cells to promote vascularization for skin wounds and tissue engineering**
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- XL. **Quantification of Type, Timing, and Extent of Cell Body and Nucleus Deformations Caused by the Dimensions and Hydrophilicity of Square Prism Micropillars**
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- XLIII. FLUORIDE-CONTAINING ANTI-CARIES pH-SENSITIVE RELEASE SYSTEM AND ITS EFFECT ON STREPTOCOCCUS MUTANS**
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- XLIV. Construction of a patterned hydrogelfibrous mat bilayer structure to mimic choroid and Bruch's membrane layers of retina**
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