

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., A three-dimensional printed, polycaprolactone/hydrogel based, tissue engineered meniscus, Doktora, G.BAHÇECİOĞLU(Öğrenci), 2018

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HASIRCI V. N., Polyethylenimine-starch nanoparticles for cancer gene therapy, Yüksek Lisans, B.BİLGENUR(Öğrenci),

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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. **In vitro cytotoxicity, corrosion and antibacterial efficiencies of Zn doped hydroxyapatite coated Ti based implant materials**
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- III. **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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- IV. **Corrosion Resistance and Cytocompatibility of Magnesium-Calcium Alloys Modified with Zinc- or Gallium-Doped Calcium Phosphate Coatings**
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- V. **A Cell Culture Chip with Transparent, Micropillar-Decorated Bottom for Live Cell Imaging and Screening of Breast Cancer Cells**
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- VI. **3D printed hybrid bone constructs of PCL and dental pulp stem cells loaded GelMA**
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- VII. **Evaluating Oxygen Tensions Related to Bone Marrow and Matrix for MSC Differentiation in 2D and 3D Biomimetic Lamellar Scaffolds**
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- VIII. **A Circulating Bioreactor Repograms Cancer Cells Toward a More Mesenchymal Niché**
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- IX. **A two-compartment bone tumor model to investigate interactions between healthy and tumor cells**
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- X. **Cell loaded 3D bioprinted GelMA hydrogels for corneal stroma engineering**
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- XI. **Amplification of nuclear deformation of breast cancer cells by seeding on micropatterned surfaces to better distinguish their malignancies**
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- XII. **Anatomical meniscus construct with zone specific biochemical composition and structural organization**
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- XIII. **Methacrylated gelatin hydrogels as corneal stroma substitutes: in vivo study**
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- XIV. **3D and 4D Printing of Polymers for Tissue Engineering Applications**
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- XV. **Square prism micropillars on poly(methyl methacrylate) surfaces modulate the morphology and differentiation of human dental pulp mesenchymal stem cells**
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- XVI. **A 3D printed PCL/hydrogel construct with zone-specific biochemical composition mimicking that of the meniscus**
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- XVII. **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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- XVIII. **Cell behavior on the alginate-coated PLLA/PLGA scaffolds**
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- XIX. **Engineered natural and synthetic polymer surfaces induce nuclear deformation in osteosarcoma cells**
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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. **A novel GelMA-pHEMA hydrogel nerve guide for the treatment of peripheral nerve damages**
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- XXIII. **PHBV wet-spun scaffold coated with ELR-REDV improves vascularization for bone tissue engineering**
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- XXIV. **Effect of chemical structure on properties of polyurethanes: Temperature responsiveness and biocompatibility**
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- XXV. **Micro and Nanofabrication methods to control cell-substrate interactions and cell behavior: A review from the tissue engineering perspective**
ERMİŞ ŞEN M., Antmen E., HASIRCI V. N.
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- XXVI. **Square prism micropillars improve osteogenicity of poly(methyl methacrylate) surfaces**
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- XXVII. **Effects of microarchitecture and mechanical properties of 3D microporous PLLA-PLGA scaffolds on fibrochondrocyte and L929 fibroblast behavior**
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- XXVIII. **Development of PEI-RANK siRNA Complex Loaded PLGA Nanocapsules for the Treatment of**

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Bilecen D. S., Uludag H., HASIRCI V. N.

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- XXIX. **Mimicking corneal stroma using keratocyte-loaded photopolymerizable methacrylated gelatin hydrogels**

Bektaş C. K., HASIRCI V. N.

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- XXX. **Nuclear targeting peptide-modified, DOX-loaded, PHBV nanoparticles enhance drug efficacy by targeting to Saos-2 cell nuclear membranes**

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- XXXI. **A bilayer scaffold prepared from collagen and carboxymethyl cellulose for skin tissue engineering applications**

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- XXXIII. **PCL-TCP wet spun scaffolds carrying antibiotic-loaded microspheres for bone tissue engineering**

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- XXXIV. **3D printed poly(epsilon-caprolactone) scaffolds modified with hydroxyapatite and poly(propylene fumarate) and their effects on the healing of rabbit femur defects**

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- XXXV. **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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- XXXVI. **Cartilage tissue engineering on macroporous scaffolds using human tooth germ stem cells**

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- XXXVII. **Construction of a PLGA based, targeted siRNA delivery system for treatment of osteoporosis**

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- XXXVIII. **A cell attracting composite of lumbar fusion cage**

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- XXXIX. **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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- XL. **A high throughput approach for analysis of cell nuclear deformability at single cell level**

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- XLI. **Influence of co-culture on osteogenesis and angiogenesis of bone marrow mesenchymal stem cells and aortic endothelial cells**

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- XLII. **FLUORIDE-CONTAINING ANTI-CARIES pH-SENSITIVE RELEASE SYSTEM AND ITS EFFECT ON**

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- XLIII. Construction of a patterned hydrogelfibrous mat bilayer structure to mimic choroid and Bruch's membrane layers of retina**

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- XLIV. Osteogenic differentiation of adipose derived stem cells on high and low aspect ratio micropatterns**

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- XLV. Preparation and Characterization of Chitosan and PLGA-Based Scaffolds for Tissue Engineering Applications**

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Metrikler

Yayın: 295

Atıf (WoS): 7148

Atıf (Scopus): 6512

H-İndeks (WoS): 48

H-İndeks (Scopus): 45