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Bölüm : Biyomedikal Mühendisliği

Kişisel Akademik Bilgiler

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Araştırma Konuları:

3B Biyoyazıcı Sistemleri; 3B Baskı; Biyomalzemeler; Doku Mühendisliği; Biyoreaktörler; Erişkin Kök Hücreler; Kontrollü Salım Sistemleri; Biyobozunur Polimerler

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2. Align® Dynamic Bone Plate

Patentler:

1. "Hemoglobin, enzim ve ilaç bağlanabilme özelliğine sahip, kana alternatif nanobiyomalzeme" TPO Başvuru Numarası: 2019/20231.
2. "A multifaceted nanobiomaterial with drug targeting, enzyme and drug binding capability in healthcare and manufacturing industry" PCT/TR2019/05116.
3. "Bone Regeneration Using Stromal Vascular Fraction, Platelet Derived Growth Factor-Rich Hydrogel, Three-Dimensional Printed Poly-E-Caprolactone Scaffolds". Grayson WL, Cook CA, Hung BPJ, Huri P, Hutton DL, Temple J. United States Patent USPTO Patent No: US 20160095958 A1, 2016.
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Ödüller:

1. ODTÜ Prof. Dr. Mustafa N. Parlar Eğitim ve Araştırma Vakfı Araştırma Teşvik Ödülü, 2018.
2. Türkiye Sağlık Enstitüleri Başkanlığı TÜSEB Aziz Sançar Teşvik Ödülü, 2017
3. "Yapay Kan" başlıklı çalışma ile ARGETİ Uluslararası Yatırım Fikirleri Proje Pazarı 1.lik Ödülü, 2017
4. Türkiye Bilimler Akademisi Üstün Başarılı Genç Bilim İnsanları Ödülü (TÜBA-GEBİP), 2016
5. "Hareketli Kemik Plağı" patenti ile Altın Madalya Ödülü, World Intellectual Property Organization, 2016
6. "Hareketli Kemik Plağı" patenti ile En İyi Akademik Patent Ödülü, International Federation of Inventor Association (IFIA), 2016
7. Bilim Akademisi Genç Bilim İnsanları Ödülü (BAGEP), 2015
8. En İyi Poster Ödülü, 27. Ulusal Biyokimya Kongresi, 2015
9. En İyi Makale Ödülü, Journal of Biomaterials and Tissue Engineering, 2014
10. Young Investigator Award, American Society for Bone and Mineral Research, 2013
11. New Investigator Recognition Award, Orthopedic Research Society, 2013
12. En İyi Poster Ödülü, 42. Ulusal Periodontoloji Kongresi, 2012
13. En İyi Poster Ödülü, 17th International Biomedical Science and Technology Symposium, 2011
14. European Biomaterials and Tissue Engineering Doctoral Award, European Society for Biomaterials (ESB), 2011
15. ODTÜ Fen Bilimleri Enstitüsü Yılın Tezi Ödülü, 2009

Yayınlar: Citations: 950; h index: 15

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2. Bölüm Başkan Yardımcısı, Ankara Üni. Biyomedikal Müh. Bölümü 2015-2018, 2019+
3. Bölüm Başkanı, Ankara Üni. Biyomedikal Müh. Bölümü, 2018-2019
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Üyelikler:

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5. Biomaterials and Tissue Engineering Society (Turkey) 2009+
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