

Aysen Tezcaner

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93
papers

2,063
citations

26
h-index

42
g-index

106
ext. papers

2,561
ext. citations

4.7
avg, IF

5.32
L-index

#	Paper	IF	Citations
93	Use of Nanoparticles in Tissue Engineering and Regenerative Medicine. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019 , 7, 113	5.8	135
92	Evaluation of sericin/collagen membranes as prospective wound dressing biomaterial. <i>Journal of Bioscience and Bioengineering</i> , 2011 , 112, 279-88	3.3	124
91	Retinal pigment epithelium cell culture on surface modified poly(hydroxybutyrate-co-hydroxyvalerate) thin films. <i>Biomaterials</i> , 2003 , 24, 4573-83	15.6	107
90	Cellulose acetate based 3-dimensional electrospun scaffolds for skin tissue engineering applications. <i>Carbohydrate Polymers</i> , 2015 , 133, 251-61	10.3	80
89	PReS-FINAL-2086: In vitro investigation of the sustained therapeutic effect of etanercept loaded microspheres on human rheumatoid arthritis fibroblast-like synoviocytes. <i>Pediatric Rheumatology</i> , 2013 , 11,	3.5	78
88	Co-doping of hydroxyapatite with zinc and fluoride improves mechanical and biological properties of hydroxyapatite. <i>Progress in Natural Science: Materials International</i> , 2014 , 24, 340-349	3.6	72
87	Loading of Gemcitabine on chitosan magnetic nanoparticles increases the anti-cancer efficacy of the drug. <i>European Journal of Pharmacology</i> , 2016 , 784, 121-8	5.3	68
86	Celecoxib-loaded liposomes: effect of cholesterol on encapsulation and in vitro release characteristics. <i>Bioscience Reports</i> , 2010 , 30, 365-73	4.1	65
85	Polyelectrolyte multilayer films as substrates for photoreceptor cells. <i>Biomacromolecules</i> , 2006 , 7, 86-946.9	59	
84	Collagen-chondroitin sulfate-based PLLA-SAIB-coated rhBMP-2 delivery system for bone repair. <i>Biomaterials</i> , 2005 , 26, 4023-34	15.6	55
83	Crosslinked pullulan/cellulose acetate fibrous scaffolds for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2016 , 69, 1103-15	8.3	49
82	Improvements in microstructural, mechanical, and biocompatibility properties of nano-sized hydroxyapatites doped with yttrium and fluoride. <i>Ceramics International</i> , 2010 , 36, 1633-1643	5.1	46
81	Nanosized CaP-silk fibroin-PCL-PEG-PCL/PCL based bilayer membranes for guided bone regeneration. <i>Materials Science and Engineering C</i> , 2017 , 80, 484-493	8.3	43
80	Native extracellular matrix/fibroin hydrogels for adipose tissue engineering with enhanced vascularization. <i>Biomedical Materials (Bristol)</i> , 2017 , 12, 035007	3.5	38
79	Diatom shell incorporated PHBV/PCL-pullulan co-electrospun scaffold for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2019 , 100, 735-746	8.3	38
78	Epidermal growth factor receptor-targeted immunoliposomes for delivery of celecoxib to cancer cells. <i>International Journal of Pharmaceutics</i> , 2015 , 479, 364-73	6.5	38
77	Oxygen plasma modification of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) film surfaces for tissue engineering purposes. <i>Journal of Applied Polymer Science</i> , 2003 , 87, 1285-1289	2.9	37

76	Strontium doped hydroxyapatite biomimetic coatings on Ti6Al4V plates. <i>Ceramics International</i> , 2017 , 43, 9431-9436	5.1	31
75	Mechanical, electrochemical and biocompatibility evaluation of AZ91D magnesium alloy as a biomaterial. <i>Journal of Alloys and Compounds</i> , 2016 , 687, 906-919	5.7	31
74	Fabrication of functionalized citrus pectin/silk fibroin scaffolds for skin tissue engineering. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018 , 106, 2625-2635	3.5	30
73	Characteristics and release profiles of MPEG-PCL-MPEG microspheres containing immunoglobulin G. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 117, 487-96	6	30
72	Pullulan microcarriers for bone tissue regeneration. <i>Materials Science and Engineering C</i> , 2016 , 63, 439-448	4.3	30
71	Half generations magnetic PAMAM dendrimers as an effective system for targeted gemcitabine delivery. <i>International Journal of Pharmaceutics</i> , 2016 , 515, 104-113	6.5	27
70	Historical development of simulated body fluids used in biomedical applications: A review. <i>Microchemical Journal</i> , 2020 , 155, 104713	4.8	26
69	Fe /SeO ₄ dual doped nano hydroxyapatite: A novel material for biomedical applications. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018 , 106, 340-352	3.5	26
68	Double entrapment of growth factors by nanoparticles loaded into polyelectrolyte multilayer films. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 999-1008	7.3	26
67	A new therapeutic combination for osteosarcoma: Gemcitabine and Clofazimine co-loaded liposomal formulation. <i>International Journal of Pharmaceutics</i> , 2019 , 557, 97-104	6.5	25
66	Silicate-doped nano-hydroxyapatite/graphene oxide composite reinforced fibrous scaffolds for bone tissue engineering. <i>Journal of Biomaterials Applications</i> , 2018 , 32, 1392-1405	2.9	24
65	Maltodextrin modified liposomes for drug delivery through the blood-brain barrier. <i>MedChemComm</i> , 2017 , 8, 1337-1345	5	23
64	Investigation of bismuth doped bioglass/graphene oxide nanocomposites for bone tissue engineering. <i>Ceramics International</i> , 2018 , 44, 3791-3799	5.1	23
63	Clinoptilolite/PCL-PEG-PCL composite scaffolds for bone tissue engineering applications. <i>Journal of Biomaterials Applications</i> , 2017 , 31, 1148-1168	2.9	23
62	Evaluation of human dental pulp stem cells behavior on a novel nanobiocomposite scaffold prepared for regenerative endodontics. <i>Materials Science and Engineering C</i> , 2019 , 100, 928-948	8.3	22
61	Structural and biological assessment of boron doped bioactive glass nanoparticles for dental tissue applications. <i>Ceramics International</i> , 2018 , 44, 9854-9864	5.1	21
60	Synthesis and characterization of nanosized calcium phosphates by flame spray pyrolysis, and their effect on osteogenic differentiation of stem cells. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	21
59	In vitro and in vivo evaluation of the effects of demineralized bone matrix or calcium sulfate addition to polycaprolactone-bioglass composites. <i>Journal of Materials Science: Materials in Medicine</i> , 2010 , 21, 295-308	4.5	21

58	Cornea engineering on polyester carriers. <i>Journal of Biomedical Materials Research - Part A</i> , 2006 , 79, 104-13	5.4	21
57	Structural, mechanical and biological properties of hydroxyapatite-zirconia-lanthanum oxide composites. <i>Ceramics International</i> , 2016 , 42, 15773-15779	5.1	20
56	Microstructure, microhardness, and biocompatibility characteristics of yttrium hydroxyapatite doped with fluoride. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2011 , 96, 207-17	3.5	20
55	Dual growth factor delivery using PLGA nanoparticles in silk fibroin/PEGDMA hydrogels for articular cartilage tissue engineering. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020 , 108, 2041-2062	3.5	19
54	Experimental and numerical investigations for mechanical and microstructural characterization of micro-manufactured AZ91D magnesium alloy disks for biomedical applications. <i>Materials and Design</i> , 2016 , 93, 397-408	8.1	18
53	Adipocyte differentiation defect in mesenchymal stromal cells of patients with malignant infantile osteopetrosis. <i>Cytotherapy</i> , 2009 , 11, 392-402	4.8	18
52	Bacterial cellulose-reinforced boron-doped hydroxyapatite/gelatin scaffolds for bone tissue engineering. <i>Cellulose</i> , 2019 , 26, 9765-9785	5.5	17
51	Potential of Raloxifene in reversing osteoarthritis-like alterations in rat chondrocytes: an in vitro model study. <i>Journal of Biosciences</i> , 2013 , 38, 135-47	2.3	17
50	In vitro characterization of micropatterned PLGA-PHBV8 blend films as temporary scaffolds for photoreceptor cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2008 , 86, 170-81	5.4	17
49	Surface Characterization and Biocompatibility of Selenium-Doped Hydroxyapatite Coating on Titanium Alloy. <i>International Journal of Applied Ceramic Technology</i> , 2016 , 13, 1059-1068	2	17
48	In vitro performance of a nanobiocomposite scaffold containing boron-modified bioactive glass nanoparticles for dentin regeneration. <i>Journal of Biomaterials Applications</i> , 2019 , 33, 834-853	2.9	17
47	Boron-doped Biphasic Hydroxyapatite/Tricalcium Phosphate for Bone Tissue Engineering. <i>Biological Trace Element Research</i> , 2021 , 199, 968-980	4.5	15
46	Mesoporous strontium doped nano sized sulphate hydroxyapatite as a novel biomaterial for bone tissue applications. <i>RSC Advances</i> , 2016 , 6, 68058-68071	3.7	14
45	In vitro and in vivo evaluation of doxycycline-chondroitin sulfate/PCL microspheres for intraarticular treatment of osteoarthritis. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2015 , 103, 1238-48	3.5	14
44	In vitro evaluation of effects of sustained anti-TNF release from MPEG-PCL-MPEG and PCL microspheres on human rheumatoid arthritis synoviocytes. <i>Journal of Biomaterials Applications</i> , 2014 , 29, 524-42	2.9	13
43	A comparative study of monoaxial and coaxial PCL/gelatin/Ploxamer 188 scaffolds for bone tissue engineering. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2020 , 69, 339-350	3	12
42	Synthesis and sintering of B, Sr, Mg multi-doped hydroxyapatites: Structural, mechanical and biological characterization. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 115, 104230	4.1	12
41	Resorbable PCEC/gelatin-bismuth doped bioglass-graphene oxide bilayer membranes for guided bone regeneration. <i>Biomedical Materials (Bristol)</i> , 2019 , 14, 035018	3.5	11

40	Nanoparticles Based on Plasma Proteins for Drug Delivery Applications. <i>Current Pharmaceutical Design</i> , 2016 , 22, 3445-54	3.3	11
39	Study on physiochemical structure and in vitro release behaviors of doxycycline-loaded PCL microspheres. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	10
38	Impact of B2O3 and La2O3 addition on structural, mechanical and biological properties of hydroxyapatite. <i>Processing and Application of Ceramics</i> , 2018 , 12, 143-152	1.4	10
37	Development of a novel functionally graded membrane containing boron-modified bioactive glass nanoparticles for guided bone regeneration. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2019 , 13, 1331-1345	4.4	9
36	Physico-chemical and biological properties of hydroxyapatite extracted from chicken beaks. <i>Materials Letters</i> , 2018 , 215, 169-172	3.3	9
35	Micelles As Delivery System for Cancer Treatment. <i>Current Pharmaceutical Design</i> , 2017 , 23, 5230-5241	3.3	9
34	A dual-phase scaffold produced by rotary jet spinning and electrospinning for tendon tissue engineering. <i>Biomedical Materials (Bristol)</i> , 2020 , 15, 065014	3.5	9
33	Topical delivery of heparin from PLGA nanoparticles entrapped in nanofibers of sericin/gelatin scaffolds for wound healing. <i>International Journal of Pharmaceutics</i> , 2021 , 597, 120207	6.5	9
32	Synthesis and characterization of magnesium-lanthanum dual doped bioactive glasses. <i>Ceramics International</i> , 2020 , 46, 10503-10511	5.1	8
31	Nanocrystalline Zn and SO binary doped fluorohydroxyapatite: A novel biomaterial with enhanced osteoconductive and osteoinconductive properties. <i>Materials Science and Engineering C</i> , 2019 , 104, 109884	8.3	7
30	In vitro characterization of a liposomal formulation of celecoxib containing 1,2-distearoyl-sn-glycero-3-phosphocholine, cholesterol, and polyethylene glycol and its functional effects against colorectal cancer cell lines. <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 3666-77	3.9	7
29	A novel construct as a cell carrier for tissue engineering. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2008 , 19, 399-410	3.5	7
28	Influence of excipients on characteristics and release profiles of poly(ϵ -caprolactone) microspheres containing immunoglobulin G. <i>Materials Science and Engineering C</i> , 2015 , 48, 391-9	8.3	6
27	In vitro/in vivo comparison of cefuroxime release from poly(ϵ -caprolactone)-calcium sulfate implants for osteomyelitis treatment. <i>Biotechnology and Applied Biochemistry</i> , 2013 , 60, 603-16	2.8	6
26	Synthesis, phase transitions and cellular biocompatibility of nanophase alumina/hydroxyapatite composites. <i>Advances in Applied Ceramics</i> , 2011 , 110, 238-243	2.3	6
25	Raloxifene-/raloxifene-poly(ethylene glycol) conjugate-loaded microspheres: A novel strategy for drug delivery to bone forming cells. <i>International Journal of Pharmaceutics</i> , 2016 , 510, 168-83	6.5	4
24	In vitro investigation and biomechanical modeling of the effects of PLF-68 on osteoarthritis in a three-dimensional model. <i>Biomechanics and Modeling in Mechanobiology</i> , 2011 , 10, 641-50	3.8	4
23	Fundamentals of tissue engineering: Carrier materials and an application. <i>Technology and Health Care</i> , 2002 , 10, 187-201	1.1	4

22	Natural origin bilayer pullulan-PHBV scaffold for wound healing applications.. <i>Materials Science and Engineering C</i> , 2021 , 112554	8.3	4
21	Multifunctional periodontal membrane for treatment and regeneration purposes. <i>Journal of Bioactive and Compatible Polymers</i> , 2020 , 35, 117-138	2	4
20	Cellulose acetate-gelatin-coated boron-bioactive glass biocomposite scaffolds for bone tissue engineering. <i>Biomedical Materials (Bristol)</i> , 2020 , 15, 065009	3.5	3
19	Improvement of a liposomal formulation with a native molecule: calcitriol. <i>RSC Advances</i> , 2016 , 6, 80158-80167	3.7	3
18	Characterization and evaluation of triamcinolone, raloxifene, and their dual-loaded microspheres as prospective local treatment system in rheumatic rat joints. <i>Journal of Pharmaceutical Sciences</i> , 2014 , 103, 2396-405	3.9	3
17	Composite clinoptilolite/PCL-PEG-PCL scaffolds for bone regeneration: In vitro and in vivo evaluation. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020 , 14, 3-15	4.4	3
16	pH responsive release of curcumin from photocrosslinked pectin/gelatin hydrogel wound dressings.. <i>Materials Science and Engineering C</i> , 2022 , 112717	8.3	3
15	Porous clinoptilolite-nano biphasic calcium phosphate scaffolds loaded with human dental pulp stem cells for load bearing orthopedic applications. <i>Biomedical Materials (Bristol)</i> , 2019 , 14, 055010	3.5	2
14	Fundamentals of tissue engineering: Tissues and applications. <i>Technology and Health Care</i> , 2002 , 10, 203-216	1.1	2
13	In vitro evaluation of injectable Tideglusib-loaded hyaluronic acid hydrogels incorporated with Rg1-loaded chitosan microspheres for vital pulp regeneration.. <i>Carbohydrate Polymers</i> , 2022 , 278, 118976	10.3	2
12	Xanthan-Gelatin And Xanthan-Gelatin-Keratin Wound Dressings For Local Delivery Of Vitamin C.. <i>International Journal of Pharmaceutics</i> , 2021 , 121436	6.5	2
11	3D porous PCL-PEG-PCL / strontium, magnesium and boron multi-doped hydroxyapatite composite scaffolds for bone tissue engineering. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022 , 125, 104941	4.1	2
10	PREPARATION AND CHARACTERISTICS OF CO-DOPED HYDROXYAPATITE BIOMIMETIC COATINGS ON PRETREATED Ti6Al4V ALLOY. <i>Surface Review and Letters</i> , 2020 , 27, 2050012	1.1	1
9	Bioactive Agent Delivery in Bone Tissue Regeneration. <i>Studies in Mechanobiology, Tissue Engineering and Biomaterials</i> , 2010 , 193-223	0.5	1
8	Biomechanical Evaluation of an Injectable Alginate / Dicalcium Phosphate Cement Composites for Bone Tissue Engineering. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 118, 104439	4.1	1
7	Effects of surface pretreatments and coating period on hydroxyapatite coating of Ti6Al4V alloy. <i>Journal of the Australian Ceramic Society</i> , 2020 , 56, 545-557	1.5	1
6	Multilayer fibroin/chitosan oligosaccharide lactate and pullulan immunomodulatory patch for treatment of hernia and prevention of intraperitoneal adhesion. <i>Carbohydrate Polymers</i> , 2021 , 265, 118066	10.3	1
5	Lithocholic Acid Conjugated mPEG-b-PCL Micelles for pH Responsive Delivery to Breast Cancer Cells.. <i>International Journal of Pharmaceutics</i> , 2022 , 121779	6.5	1

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| 4 | Strontium and fluorine co-doped biphasic calcium phosphate: characterization and in vitro cytocompatibility analysis. <i>Biomedical Physics and Engineering Express</i> , 2017 , 3, 045004 | 1.5 | ○ |
| 3 | Coaxial electrospinning of composite mats comprised of core/shell poly(methyl methacrylate)/silk fibroin fibers for tissue engineering applications.. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022 , 128, 105105 | 4.1 | ○ |
| 2 | Multifunctional natural polymer-based metallic implant surface modifications. <i>Biointerphases</i> , 2021 , 16, 020803 | 1.8 | ○ |
| 1 | Use of nanoscale-delivery systems in tissue/organ regeneration 2020 , 113-162 | | |