YaÅar Murat ElÃ§in

List of Publications by Year
in descending order

92 papers	2,445 citations	159358 30 h-index	243296 44 g-index
93 all docs	93 docs citations	93 times ranked	3129 citing authors

#	Article	IF	Citations
1	Construction of micro-grooved PCL/nanohydroxyapatite membranes by non-solvent induced phase separation method and its evaluation for use as a substrate for human periodontal ligament fibroblasts. Chemical Engineering Science, 2022, 248, 117120.	1.9	7
2	Development of a multicellular 3D-bioprinted microtissue model of human periodontal ligament-alveolar bone biointerface: Towards a pre-clinical model of periodontal diseases and personalized periodontal tissue engineering. Genes and Diseases, 2022, 9, 1008-1023.	1.5	17
3	Decellularized liver ECM-based 3D scaffolds: Compositional, physical, chemical, rheological, thermal, mechanical, and in vitro biological evaluations. International Journal of Biological Macromolecules, 2022, 200, 110-123.	3.6	18
4	Fabrication and Molecular Modeling of Navette-Shaped Fullerene Nanorods Using Tobacco Mosaic Virus as a Nanotemplate. Molecular Biotechnology, 2022, 64, 681-692.	1.3	2
5	Macro- and microporous polycaprolactone/duckâ€™s feet collagen scaffold fabricated by combining facile phase separation and particulate leaching techniques to enhance osteogenesis for bone tissue engineering. Journal of Biomaterials Science, Polymer Edition, 2022, 33, 1025-1042.	1.9	5
6	Assessment of dopamine-conjugated decellularized bovine tendon extracellular matrix as a bioadhesive. Materials Today Communications, 2022, , 103634.	0.9	4
7	Magnetic and electrically conductive silica-coated iron oxide/polyaniline nanocomposites for biomedical applications. Materials Science and Engineering C, 2021, 119, 111600.	3.8	29
8	Therapeutic Applications of Stem Cells and Extracellular Vesicles in Emergency Care: Futuristic Perspectives. Stem Cell Reviews and Reports, 2021, 17, 390-410.	1.7	23
9	Magneto-sensitive decellularized bone matrix with or without low frequency-pulsed electromagnetic field exposure for the healing of a critical-size bone defect. Materials Science and Engineering C, 2021, 124, 112065.	3.8	19
10	Preliminary assessment of an injectable extracellular matrix from decellularized bovine myocardial tissue. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2021, 76, 491-501.	0.6	4
11	Biomimetic 3D-Bone Tissue Model. Methods in Molecular Biology, 2021, 2273, 239-250.	0.4	4
12	Mesenchymal stem cell transplantation in polytrauma: Evaluation of bone and liver healing response in an experimental rat model. European Journal of Trauma and Emergency Surgery, 2020, 46, 53-64.	0.8	8
13	Decellularized biological scaffold and stem cells from autologous human adipose tissue for cartilage tissue engineering. Methods, 2020, 171, 97-107.	1.9	39
14	Synthesis and Characterization of Thermosensitive Poly(Nâ€Vinyl Caprolactam)â€Graftedâ€Aminated Alginate Hydrogels. Macromolecular Chemistry and Physics, 2020, 221, 1900412.	1.1	11
15	Functions of Mesenchymal Stem Cells in Cardiac Repair. Advances in Experimental Medicine and Biology, 2020, 1312, 39-50.	0.8	7
16	Mesenchymal Stem Cells for Coronavirus (COVID-19)-Induced Pneumonia: Revisiting the Paracrine Hypothesis with New Hopes?. , 2020, 11, 477.		12
17	Decellularized Cell Culture ECMs Act as Cell Differentiation Inducers. Stem Cell Reviews and Reports, 2020, 16, 569-584.	1.7	36
18	Evaluation of the stability of standard reference genes of adipose-derived mesenchymal stem cells during in vitro proliferation and differentiation. Molecular Biology Reports, 2020, 47, 2109-2122.	1.0	10

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19	Bioethical issues in genome editing by CRISPR-Cas9 technology. Turkish Journal of Biology, 2020, 44, 110-120.	2.1	46
20	3D Bioprinting of Tissue Models with Customized Bioinks. Advances in Experimental Medicine and Biology, 2020, 1249, 67-84.	0.8	9
21	Macroporous elastic cryogels based on platelet lysate and oxidized dextran as tissue engineering scaffold: In vitro and in vivo evaluations. Materials Science and Engineering C, 2020, 110, 110703.	3.8	24
22	Magnetic silk fibroin composite nanofibers for biomedical applications: Fabrication and evaluation of the chemical, thermal, mechanical, and in vitro biological properties. Journal of Applied Polymer Science, 2019, 136, 48040.	1.3	27
23	Autologous protein-based scaffold composed of platelet lysate and aminated hyaluronic acid. Journal of Materials Science: Materials in Medicine, 2019, 30, 127.	1.7	10
24	Encapsulation of bone marrow-MSCs in PRP-derived fibrin microbeads and preliminary evaluation in a volumetric muscle loss injury rat model: modular muscle tissue engineering. Artificial Cells, Nanomedicine and Biotechnology, 2019, 47, 10-21.	1.9	22
25	Decellularized bovine small intestinal submucosa-PCL/hydroxyapatite-based multilayer composite scaffold for hard tissue repair. Materials Science and Engineering C, 2019, 94, 788-797.	3.8	38
26	Investigations on clonazepam-loaded polymeric micelle-like nanoparticles for safe drug administration during pregnancy. Journal of Microencapsulation, 2018, 35, 149-164.	1.2	9
27	Mesenchymal Stem Cell Infusion in Haploidentical Hematopoietic Stem Cell Transplantation in Patients with Hematological Malignancies. Biology of Blood and Marrow Transplantation, 2018, 24, S178-S179.	2.0	2
28	Strontium-modified chitosan/montmorillonite composites as bone tissue engineering scaffold. Materials Science and Engineering C, 2018, 89, 8-14.	3.8	44
29	Nanofibrous silk fibroin/reduced graphene oxide scaffolds for tissue engineering and cell culture applications. International Journal of Biological Macromolecules, 2018, 114, 77-84.	3.6	54
30	Osteogenic composite nanocoating based on nanohydroxyapatite, strontium ranelate and polycaprolactone for titanium implants. Transactions of Nonferrous Metals Society of China, 2018, 28, 1763-1773.	1.7	21
31	Selection of Suitable Reference Genes for Quantitative Real-Time PCR Normalization in Human Stem Cell Research. Advances in Experimental Medicine and Biology, 2018, 1119, 151-168.	0.8	2
32	Clinical Applications of Injectable Biomaterials. Advances in Experimental Medicine and Biology, 2018, 1077, 163-182.	0.8	17
33	Intrinsically Conductive Polymer Nanocomposites for Cellular Applications. Advances in Experimental Medicine and Biology, 2018, 1078, 135-153.	0.8	13
34	Osteogenic differentiation of encapsulated rat mesenchymal stem cells inside a rotating microgravity bioreactor: in vitro and in vivo evaluation. Cytotechnology, 2018, 70, 1375-1388.	0.7	15
35	Decellularized bSIS-ECM as a Regenerative Biomaterial for Skin Wound Repair. Methods in Molecular Biology, 2018, 1879, 175-185.	0.4	7
36	Decellularization of bovine small intestinal submucosa and its use for the healing of a critical-sized full-thickness skin defect, alone and in combination with stem cells, in a small rodent model. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 1754-1765.	1.3	45

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37	Synthesis and characterization of thermosensitive poly(N-vinylcaprolactam)-g-collagen. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 1665-1674.	1.9	20
38	Osteogenic differentiation of mesenchymal stem cells using hybrid nanofibers with different configurations and dimensionality. Journal of Biomedical Materials Research - Part A, 2017, 105, 2065-2074.	2.1	14
39	Differential gene expression profiling of human adipose stem cells differentiating into smooth muscle-like cells by TGFÎ²1/BMP4. Experimental Cell Research, 2017, 352, 207-217.	1.2	13
40	Decellularization of Bovine Small Intestinal Submucosa. Methods in Molecular Biology, 2017, 1577, 129-138.	0.4	5
41	A comparative study on thein vitrocytotoxic responses of two mammalian cell types to fullerenes, carbon nanotubes and iron oxide nanoparticles. Drug and Chemical Toxicology, 2017, 40, 215-227.	1.2	30
42	Translational Applications of Tissue Engineering in Cardiovascular Medicine. Current Pharmaceutical Design, 2017, 23, 903-914.	0.9	11
43	Subarachnoid transplantation of autologous neurogenically induced bone marrow derived mesenchymal stem cells for the treatment of fibrocartilaginous embolic myelopathy in two dogs. Turkish Journal of Veterinary and Animal Sciences, 2016, 40, 120-123.	0.2	0
44	Baculoviral vector loaded mesenchymal stem cells as efficient gene therapy tools for cancer treatment. Turkish Journal of Biology, 2016, 40, 1121-1128.	2.1	0
45	Evaluation of various block copolymers for micelle formation and brain drug delivery: InÂvitro characterization and cellular uptake studies. Journal of Drug Delivery Science and Technology, 2016, 36, 120-129.	1.4	36
46	The use of autologous neurogenically-induced bone marrow-derived mesenchymal stem cells for the treatment of paraplegic dogs without nociception due to spinal trauma. Journal of Veterinary Medical Science, 2016, 78, 1465-1473.	0.3	13
47	Ectopic osteogenic tissue formation by MC3T3-E1 cell-laden chitosan/hydroxyapatite composite scaffold. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 1440-1447.	1.9	16
48	Extracellular Matrix and Regenerative Therapies from the Cardiac Perspective. Stem Cell Reviews and Reports, 2016, 12, 202-213.	5.6	16
49	Clinical applications of decellularized extracellular matrices for tissue engineering and regenerative medicine. Biomedical Materials (Bristol), 2016, 11, 022003.	1.7	186
50	Real-time monitoring of mesenchymal stem cell responses to biomaterial surfaces and to a model drug by using quartz crystal microbalance. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 1722-1732.	1.9	9
51	Time-Resolved Fluorescence Resonance Energy Transfer [TR-FRET] Assays for Biochemical Processes. Current Pharmaceutical Biotechnology, 2016, 17, 1222-1230.	0.9	41
52	Mesenchymal stem cell directed baculoviral gene therapy of colon cancer.. Journal of Clinical Oncology, 2016, 34, e14573-e14573.	0.8	0
53	In vitro evaluation of encapsulated primary rat hepatocytes pre- and post-cryopreservation at â^'80Â°C and in liquid nitrogen. Artificial Cells, Nanomedicine and Biotechnology, 2015, 43, 50-61.	1.9	17
54	Intraspinal transplantation of autologous neurogenically-induced bone marrow-derived mesenchymal stem cells in treatment of paraplegic dogs without deep pain perception secondary to intervertebral disk disease. Turkish Neurosurgery, 2015, 25, 625-32.	0.1	16

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55	Differentiation of Human Embryonic Stem Cells on Periodontal Ligament Fibroblasts. Methods in Molecular Biology, 2014, 1307, 223-235.	0.4	5
56	Silica coating of the pore walls of a microporous polycaprolactone membrane to be used in bone tissue engineering. Journal of Biomedical Materials Research - Part A, 2014, 102, 3229-3236.	2.1	14
57	Evaluation of a biomimetic poly(Îµ-caprolactone)/Î²-tricalcium phosphate multispiral scaffold for bone tissue engineering: In vitro and in vivo studies. Biointerphases, 2014, 9, 029011.	0.6	51
58	Isolation and Characterization of Mesenchymal Stem Cells. Methods in Molecular Biology, 2014, 1109, 47-63.	0.4	26
59	Evaluation of adenoviral vascular endothelial growth factor-activated chitosan/hydroxyapatite scaffold for engineering vascularized bone tissue using human osteoblasts: InÂvitro and inÂvivo studies. Journal of Biomaterials Applications, 2014, 29, 748-760.	1.2	38
60	In vitro cytotoxicity of hydrothermally synthesized ZnO nanoparticles on human periodontal ligament fibroblast and mouse dermal fibroblast cells. Toxicology in Vitro, 2014, 28, 1349-1358.	1.1	39
61	Stem Cells in Tooth Tissue Regenerationâ€"Challenges and Limitations. Stem Cell Reviews and Reports, 2011, 7, 683-692.	5.6	31
62	Electrospun Nanofibrous PLGA/Fullerene-C60 Coated Quartz Crystal Microbalance for Real-Time Gluconic Acid Monitoring. IEEE Sensors Journal, 2010, 10, 1342-1348.	2.4	23
63	Proteome Analysis of Rat Bone Marrow Mesenchymal Stem Cell Differentiation. Journal of Proteome Research, 2010, 9, 5217-5227.	1.8	40
64	Neovascularization by bFGF releasing hyaluronic acidâ€"gelatin microspheres:in vitroandin vivostudies. Growth Factors, 2010, 28, 426-436.	0.5	48
65	Rat articular cartilage engineering using alginate fibers under microgravity conditions. , 2009, , .		0
66	In Vitro Differentiation and Attachment of Human Embryonic Stem Cells on Periodontal Tooth Root Surfaces. Tissue Engineering - Part A, 2009, 15, 3427-3435.	1.6	26
67	Periodontal ligament cellular structures engineered with electrospun poly(<scp>DL</scp>â€lactideâ€coâ€glycolide) nanofibrous membrane scaffolds. Journal of Biomedical Materials Research - Part A, 2009, 90A, 186-195.	2.1	86
68	Proteome Analysis of Rat Bone Marrow Mesenchymal Stem Cell Subcultures. Journal of Proteome Research, 2009, 8, 2164-2172.	1.8	30
69	Differentiation of Human Embryonic Stem Cells on Periodontal Ligament Fibroblasts In Vitro. Artificial Organs, 2008, 32, 100-109.	1.0	29
70	Human Embryonic Stem Cell Differentiation on Tissue Engineering Scaffolds: Effects of NGF and Retinoic Acid Induction. Tissue Engineering - Part A, 2008, 14, 955-964.	1.6	32
71	In Vitro Osteogenic Differentiation of Rat Mesenchymal Stem Cells in a Microgravity Bioreactor. Journal of Bioactive and Compatible Polymers, 2008, 23, 244-261.	0.8	35
72	Engineering of Rat Articular Cartilage on Porous Sponges: Effects of TGF-Î² 1and Microgravity Bioreactor Culture. Artificial Cells, Blood Substitutes, and Biotechnology, 2008, 36, 123-137.	0.9	42

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73	Encapsulation and osteoinduction of human periodontal ligament fibroblasts in chitosanâ€“hydroxyapatite microspheres. Journal of Biomedical Materials Research - Part A, 2007, 82A, 917-926.	2.1	52
74	Evaluation of Modified CMC and CMC-PVA as Miscible Polymer Blend Membranes for Hepatocytes. Macromolecular Bioscience, 2007, 7, 681-689.	2.1	12
75	Effect of Osteogenic Induction on the in Vitro Differentiation of Human Embryonic Stem Cells Cocultured With Periodontal Ligament Fibroblasts. Artificial Organs, 2007, 31, 792-800.	1.0	36
76	Localized Angiogenesis Induced by Human Vascular Endothelial Growth Factor-Activated PLGA Sponge. Tissue Engineering, 2006, 12, 959-968.	4.9	64
77	Biodegradation of Chitosan-Tripolyphosphate Beads:In VitroandIn VivoStudies. Artificial Cells, Blood Substitutes, and Biotechnology, 2006, 34, 263-276.	0.9	29
78	Osteogenic Induction of Human Periodontal Ligament Fibroblasts Under Two- and Three-Dimensional Culture Conditions. Tissue Engineering, 2006, 12, 257-266.	4.9	77
79	Topical use of liposomal copper palmitate formulation blocks porphyrin-induced photosensitivity in rats. Journal of Photochemistry and Photobiology B: Biology, 2005, 80, 107-114.	1.7	11
80	Functional and Morphological Characteristics of Bovine Adrenal Chromaffin Cells on Macroporous Poly(D,L-lactide-co-glycolide) Scaffolds. Tissue Engineering, 2003, 9, 1047-1056.	4.9	31
81	Xenotransplantation of Fetal Porcine Hepatocytes in Rats Using a Tissue Engineering Approach. Artificial Organs, 1999, 23, 146-152.	1.0	58
82	Hepatocyte Attachment on Biodegradable Modified Chitosan Membranes: In Vitro Evaluation for the Development of Liver Organoids. Artificial Organs, 1998, 22, 837-846.	1.0	81
83	Acrylamide grafted poly(ethylene terephthalate) fibers activated by glutaraldehyde as support for urease. Applied Biochemistry and Biotechnology, 1996, 60, 19-32.	1.4	13
84	Controlled Release of Endothelial Cell Growth Factor from Chitosan-Albumin Microspheres for Localized Angiogenesis: In Vitro and in Vivo Studies. Artificial Cells, Blood Substitutes, and Biotechnology, 1996, 24, 257-271.	0.9	60
85	Methacrylic acid-acrylamide-g-poly(ethyleneterephthalate) fibres for urea hydrolysis. Journal of Chemical Technology and Biotechnology, 1995, 63, 174-180.	1.6	13
86	Stability and controlled release properties of carboxymethylcellulose-encapsulatedBacillus thuringiensisvar.Israelensis. Pest Management Science, 1995, 45, 351-355.	0.7	17
87	Bacillus sphaericus 2362-calcium alginate microcapsules for mosquito control. Enzyme and Microbial Technology, 1995, 17, 587-591.	1.6	31
88	Encapsulation of urease enzyme in xanthan-alginate spheres. Biomaterials, 1995, 16, 1157-1161.	5.7	69
89	Control of mosquito larvae by encapsulated pathogenBacillus thuringiensis var. israelensis. Journal of Microencapsulation, 1995, 12, 515-523.	1.2	10
90	Immobilization of Urease into Carboxymethylcellulose - Gelatine System. Journal of Macromolecular Science - Pure and Applied Chemistry, 1992, 29, 251-265.	1.2	6

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91	Studies on immobilization of urease in gelatin by cross-linking. Biomaterials, 1992, 13, 795-800.	5.7	44
92	Polyester film strips coated with photographic gelatin containing immobilized glucose oxidase hardened by chromium(III) sulphate. Biomaterials, 1992, 13, 156-161.	5.7	22