Ayse Selcen Alagoz

List of Publications by Year
in descending order

36	1,997	393982 19	360668 35
papers	citations	h-index	g-index

40	40	40	3375
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	PCL and PCL-based materials in biomedical applications. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 863-893.	1.9	529
2	Development of a UV crosslinked biodegradable hydrogel containing adipose derived stem cells to promote vascularization for skin wounds and tissue engineering. Biomaterials, 2017, 129, 188-198.	5.7	317
3	3D and 4D Printing of Polymers for Tissue Engineering Applications. Frontiers in Bioengineering and Biotechnology, 2019, 7, 164.	2.0	275
4	Microencapsulation of phenolic compounds extracted from sour cherry pomace: effect of formulation, ultrasonication time and core to coating ratio. European Food Research and Technology, 2012, 235, 587-596.	1.6	102
5	A novel GelMA-pHEMA hydrogel nerve guide for the treatment of peripheral nerve damages. International Journal of Biological Macromolecules, 2019, 121, 699-706.	3.6	67
6	Microfibrous scaffolds from poly(l-lactide-co-Îµ-caprolactone) blended with xeno-free collagen/hyaluronic acid for improvement of vascularization in tissue engineering applications. Materials Science and Engineering C, 2019, 97, 31-44.	3.8	59
7	Hydrogels of agarose, and methacrylated gelatin and hyaluronic acid are more supportive for in vitro meniscus regeneration than three dimensional printed polycaprolactone scaffolds. International Journal of Biological Macromolecules, 2019, 122, 1152-1162.	3.6	52
8	Storage and Baking Stability of Encapsulated Sour Cherry Phenolic Compounds Prepared from Micro- and Nano-Suspensions. Food and Bioprocess Technology, 2014, 7, 204-211.	2.6	43
9	A collagen-based corneal stroma substitute with micro-designed architecture. Biomaterials Science, 2014, 2, 318-329.	2.6	39
10	<scp>3D</scp> printed hybrid bone constructs of <scp>PCL</scp> and dental pulp stem cells loaded <scp>GelMA</scp>. Journal of Biomedical Materials Research - Part A, 2021, 109, 2425-2437.	2.1	38
11	The role of biomaterials and scaffolds in immune responses in regenerative medicine: macrophage phenotype modulation by biomaterial properties and scaffold architectures. Biomaterials Science, 2021, 9, 8090-8110.	2.6	37
12	Influence of co-culture on osteogenesis and angiogenesis of bone marrow mesenchymal stem cells and aortic endothelial cells. Microvascular Research, 2016, 108, 1-9.	1.1	35
13	Surface characterization and radical decay studies of oxygen plasmaâ€treated PMMA films. Surface and Interface Analysis, 2013, 45, 844-853.	0.8	34
14	A bilayer scaffold prepared from collagen and carboxymethyl cellulose for skin tissue engineering applications. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 1764-1784.	1.9	31
15	3D printing of polymeric tissue engineering scaffolds using open-source fused deposition modeling. Emergent Materials, 2020, 3, 429-439.	3.2	31
16	Coaxial electrospinning of composite mats comprised of core/shell poly(methyl methacrylate)/silk fibroin fibers for tissue engineering applications. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 128, 105105.	1.5	27
17	Effect of Degritting of Phenolic Extract from Sour Cherry Pomace on Encapsulation Efficiencyâ€"Production of Nano-suspension. Food and Bioprocess Technology, 2013, 6, 2494-2502.	2.6	25
18	Chitosanâ€based wetâ€spun scaffolds for bioactive agent delivery. Journal of Applied Polymer Science, 2013, 130, 3759-3769.	1.3	22

#	Article	IF	Citations
19	Square prism micropillars on poly(methyl methacrylate) surfaces modulate the morphology and differentiation of human dental pulp mesenchymal stem cells. Colloids and Surfaces B: Biointerfaces, 2019, 178, 44-55.	2.5	22
20	Amplification of nuclear deformation of breast cancer cells by seeding on micropatterned surfaces to better distinguish their malignancies. Colloids and Surfaces B: Biointerfaces, 2019, 183, 110402.	2.5	21
21	Cell behavior on the alginate-coated PLLA/PLGA scaffolds. International Journal of Biological Macromolecules, 2019, 124, 444-450.	3.6	19
22	Hydrogels in Regenerative Medicine. , 2016, , 1-52.		18
23	Construction of a PLGA based, targeted siRNA delivery system for treatment of osteoporosis. Journal of Biomaterials Science, Polymer Edition, 2017, 28, 1859-1873.	1.9	17
24	Poly(ester-urethane) scaffolds: effect of structure on properties and osteogenic activity of stem cells. Journal of Tissue Engineering and Regenerative Medicine, 2015, 9, 930-942.	1.3	15
25	Corrosion Resistance and Cytocompatibility of Magnesiumâ€“Calcium Alloys Modified with Zinc- or Gallium-Doped Calcium Phosphate Coatings. ACS Applied Materials & Interfaces, 2022, 14, 104-122.	4.0	14
26	Poly(lµâ€caprolactone) composites containing gentamicinâ€loaded Î²â€tricalcium phosphate/gelatin microspheres as bone tissue supports. Journal of Applied Polymer Science, 2013, 127, 2132-2139.	1.3	13
27	Preparation and characterization of Chitosan and PLGAâ€based scaffolds for tissue engineering applications. Polymer Composites, 2015, 36, 1917-1930.	2.3	13
28	Systematically organized nanopillar arrays reveal differences in adhesion and alignment properties of BMSC and Saos-2 cells. Colloids and Surfaces B: Biointerfaces, 2014, 119, 71-81.	2.5	12
29	Engineered natural and synthetic polymer surfaces induce nuclear deformation in osteosarcoma cells. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 366-376.	1.6	11
30	In vitro evaluation of injectable Tideglusib-loaded hyaluronic acid hydrogels incorporated with Rg1-loaded chitosan microspheres for vital pulp regeneration. Carbohydrate Polymers, 2022, 278, 118976.	5.1	11
31	Fabrication of a 3D Printed PCL Nerve Guide: In Vitro and In Vivo Testing. Macromolecular Bioscience, 2022, 22, e2100389.	2.1	11
32	Poly(lµâ€caprolactone) composite scaffolds loaded with gentamicinâ€containing Î²â€tricalcium phosphate/gelatin microspheres for bone tissue engineering applications. Journal of Applied Polymer Science, 2014, 131, .	1.3	8
33	Micropatterned Surfaces Expose the Coupling between Actin Cytoskeletonâ€Lamin/Nesprin and Nuclear Deformability of Breast Cancer Cells with Different Malignancies. Advanced Biology, 2021, 5, e2000048.	1.4	8
34	Effect of chemical structure on properties of polyurethanes: Temperature responsiveness and biocompatibility. Journal of Bioactive and Compatible Polymers, 2018, 33, 479-497.	0.8	5
35	Cell/Tissue Microenvironment Engineering and Monitoring in Tissue Engineering, Regenerative Medicine, and In Vitro Tissue Models. BioMed Research International, 2014, 2014, 1-2.	0.9	4
36	A Cell Culture Chip with Transparent, Micropillar-Decorated Bottom for Live Cell Imaging and Screening of Breast Cancer Cells. Micromachines, 2022, 13, 93.	1.4	2