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	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
2	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
3	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
4	Fabrication of a 3D Printed PCL Nerve Guide: In Vitro and In Vivo Testing. Macromolecular Bioscience, 2022, 22, e2100389.	2.1	11
5	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
6	<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
7	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
8	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
9	3D printing of polymeric tissue engineering scaffolds using open-source fused deposition modeling. Emergent Materials, 2020, 3, 429-439.	3.2	31
10	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
11	3D and 4D Printing of Polymers for Tissue Engineering Applications. Frontiers in Bioengineering and Biotechnology, 2019, 7, 164.	2.0	275
12	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
13	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
14	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
15	Cell behavior on the alginate-coated PLLA/PLGA scaffolds. International Journal of Biological Macromolecules, 2019, 124, 444-450.	3.6	19
16	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
17	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
18	PCL and PCL-based materials in biomedical applications. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 863-893.	1.9	529

#	Article	IF	Citations
19	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
20	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
21	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
22	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
23	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
24	Hydrogels in Regenerative Medicine. , 2016, , 1-52.		18
25	Preparation and characterization of Chitosan and PLGAâ€based scaffolds for tissue engineering applications. Polymer Composites, 2015, 36, 1917-1930.	2.3	13
26	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
27	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
28	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
29	A collagen-based corneal stroma substitute with micro-designed architecture. Biomaterials Science, 2014, 2, 318-329.	2.6	39
30	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
31	Poly(Ìµâ€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
32	Poly(Ìµâ€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
33	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
34	Chitosanâ€based wetâ€spun scaffolds for bioactive agent delivery. Journal of Applied Polymer Science, 2013, 130, 3759-3769.	1.3	22
35	Surface characterization and radical decay studies of oxygen plasmaâ€treated PMMA films. Surface and Interface Analysis, 2013, 45, 844-853.	0.8	34
36	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