

Mani Diba

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

2,226
citations

430874

18
h-index

580821

25
g-index

27
all docs

27
docs citations

27
times ranked

3028
citing authors

#	ARTICLE	IF	CITATIONS
1	Materials design for bone-tissue engineering. <i>Nature Reviews Materials</i> , 2020, 5, 584-603.	48.7	851
2	Electrophoretic deposition of graphene-related materials: A review of the fundamentals. <i>Progress in Materials Science</i> , 2016, 82, 83-117.	32.8	210
3	Magnesium-containing bioactive polycrystalline silicate-based ceramics and glass-ceramics for biomedical applications. <i>Current Opinion in Solid State and Materials Science</i> , 2014, 18, 147-167.	11.5	166
4	Magnesium-Containing Bioactive Glasses for Biomedical Applications. <i>International Journal of Applied Glass Science</i> , 2012, 3, 221-253.	2.0	158
5	Development of a PCL-silica nanoparticles composite membrane for Guided Bone Regeneration. <i>Materials Science and Engineering C</i> , 2018, 85, 154-161.	7.3	91
6	Highly Elastic and Self-Healing Composite Colloidal Gels. <i>Advanced Materials</i> , 2017, 29, 1604672.	21.0	87
7	Electrophoretic Deposition of Chitosan Coatings Modified with Gelatin Nanospheres To Tune the Release of Antibiotics. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 13785-13792.	8.0	84
8	Self-Healing Biomaterials: From Molecular Concepts to Clinical Applications. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800118.	3.7	73
9	Composite Colloidal Gels Made of Bisphosphonate-Functionalized Gelatin and Bioactive Glass Particles for Regeneration of Osteoporotic Bone Defects. <i>Advanced Functional Materials</i> , 2017, 27, 1703438.	14.9	71
10	Quantitative evaluation of electrophoretic deposition kinetics of graphene oxide. <i>Carbon</i> , 2014, 67, 656-661.	10.3	65
11	Novel forsterite/polycaprolactone nanocomposite scaffold for tissue engineering applications. <i>Materials Letters</i> , 2011, 65, 1931-1934.	2.6	55
12	Machine Learning-Guided Three-Dimensional Printing of Tissue Engineering Scaffolds. <i>Tissue Engineering - Part A</i> , 2020, 26, 1359-1368.	3.1	52
13	Engineering the Dynamics of Cell Adhesion Cues in Supramolecular Hydrogels for Facile Control over Cell Encapsulation and Behavior. <i>Advanced Materials</i> , 2021, 33, e2008111.	21.0	52
14	3D printed colloidal biomaterials based on photo-reactive gelatin nanoparticles. <i>Biomaterials</i> , 2021, 274, 120871.	11.4	40
15	Exploiting Bisphosphonate-Bioactive-Glass Interactions for the Development of Self-Healing and Bioactive Composite Hydrogels. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1952-1959.	3.9	28
16	Fiber-reinforced colloidal gels as injectable and moldable biomaterials for regenerative medicine. <i>Materials Science and Engineering C</i> , 2018, 92, 143-150.	7.3	27
17	Fiber engraving for bioink bioprinting within 3D printed tissue engineering scaffolds. <i>Bioprinting</i> , 2020, 18, e00076.	5.8	26
18	Gelatin Nanoparticles with Enhanced Affinity for Calcium Phosphate. <i>Macromolecular Bioscience</i> , 2016, 16, 717-729.	4.1	23

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19	Nanostructured raspberry-like gelatin microspheres for local delivery of multiple biomolecules. Acta Biomaterialia, 2017, 58, 67-79.	8.3	19
20	Hybrid particles derived from alendronate and bioactive glass for treatment of osteoporotic bone defects. Journal of Materials Chemistry B, 2019, 7, 796-808.	5.8	14
21	A dual-gelling poly(N-isopropylacrylamide)-based ink and thermoreversible poloxamer support bath for high-resolution bioprinting. Bioactive Materials, 2022, 14, 302-312.	15.6	12
22	Dual-functionalisation of gelatine nanoparticles with an anticancer platinum(^{II})bisphosphonate complex and mineral-binding alendronate. RSC Advances, 2016, 6, 113025-113037.	3.6	8
23	Fabrication of gold-nanoshell/polycaprolactone composite films with high electrical conductivity. Materials Letters, 2014, 130, 164-167.	2.6	5
24	Effect of 3D Printing Temperature on Bioactivity of Bone Morphogenetic Protein-2 Released from Polymeric Constructs. Annals of Biomedical Engineering, 2021, 49, 2114-2125.	2.5	5
25	Electrophoretic Co-Deposition of Chitosan and Graphene Oxide Results in Antibacterial Coatings for Medical Applications. Key Engineering Materials, 2015, 654, 176-182.	0.4	4
26	<i>Call for Special Issue Papers:</i> New Strategies in Biomaterials Design for Tissue Regeneration. Tissue Engineering - Part C: Methods, 2021, 27, 489-490.	2.1	0
27	Editorial for Special Issue on "New Strategies in Biomaterials Design for Tissue Regeneration". Tissue Engineering - Part C: Methods, 2022, 28, 287-288.	2.1	0