

Ehsan Shirzaei Sani

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

2,605
citations

331670
21
h-index

526287
27
g-index

27
all docs

27
docs citations

27
times ranked

3537
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and characterization of a hydrogel-based adhesive patch for sealing open-globe injuries. <i>Acta Biomaterialia</i> , 2022, 137, 53-63.	8.3	27
2	Engineering a naturally derived hemostatic sealant for sealing internal organs. <i>Materials Today Bio</i> , 2022, 13, 100199.	5.5	26
3	Wearable Bioelectronics for Chronic Wound Management (<i>Adv. Funct. Mater.</i> 17/2022). <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	1
4	Nanoengineered shear-thinning and bioprintable hydrogel as a versatile platform for biomedical applications. <i>Biomaterials</i> , 2021, 267, 120476.	11.4	76
5	Growth factor-eluting hydrogels for management of corneal defects. <i>Materials Science and Engineering C</i> , 2021, 120, 111790.	7.3	6
6	A soft bioaffinity sensor array for chronic wound monitoring. <i>Matter</i> , 2021, 4, 2613-2615.	10.0	8
7	Engineering elastic sealants based on gelatin and elastin-like polypeptides for endovascular anastomosis. <i>Bioengineering and Translational Medicine</i> , 2021, 6, e10240.	7.1	8
8	Synthesis and characterization of osteoinductive visible light-activated adhesive composites with antimicrobial properties. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 66-81.	2.7	30
9	Human Recombinant Elastin-Based Bioinks for 3D Bioprinting of Vascularized Soft Tissues. <i>Advanced Materials</i> , 2020, 32, e2003915.	21.0	104
10	Gelatin Methacryloyl Bioadhesive Improves Survival and Reduces Scar Burden in a Mouse Model of Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2020, 9, e014199.	3.7	16
11	Effects, uptake, and translocation of aluminum oxide nanoparticles in lettuce: A comparison study to phytotoxic aluminum ions. <i>Science of the Total Environment</i> , 2020, 719, 137393.	8.0	48
12	Bioactive and Elastic Nanocomposites with Antimicrobial Properties for Bone Tissue Regeneration. <i>ACS Applied Bio Materials</i> , 2020, 3, 3313-3325.	4.6	32
13	Biomimetic cardiovascular platforms for in vitro disease modeling and therapeutic validation. <i>Biomaterials</i> , 2019, 198, 78-94.	11.4	24
14	Bioprinting of a Cell-Laden Conductive Hydrogel Composite. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30518-30533.	8.0	117
15	Local Immunomodulation Using an Adhesive Hydrogel Loaded with miRNA-Laden Nanoparticles Promotes Wound Healing. <i>Small</i> , 2019, 15, e1902232.	10.0	197
16	An Antimicrobial Dental Light Curable Bioadhesive Hydrogel for Treatment of Peri-Implant Diseases. <i>Matter</i> , 2019, 1, 926-944.	10.0	90
17	Sutureless repair of corneal injuries using naturally derived bioadhesive hydrogels. <i>Science Advances</i> , 2019, 5, eaav1281.	10.3	229
18	Engineering a naturally-derived adhesive and conductive cardiopatch. <i>Biomaterials</i> , 2019, 207, 89-101.	11.4	93

#	ARTICLE	IF	CITATIONS
19	Engineering Adhesive and Antimicrobial Hyaluronic Acid/Elastin-like Polypeptide Hybrid Hydrogels for Tissue Engineering Applications. ACS Biomaterials Science and Engineering, 2018, 4, 2528-2540.	5.2	102
20	Photocrosslinkable Gelatin/Tropoelastin Hydrogel Adhesives for Peripheral Nerve Repair. Tissue Engineering - Part A, 2018, 24, 1393-1405.	3.1	80
21	Interpenetrating network gelatin methacryloyl (GelMA) and pectin-g-PCL hydrogels with tunable properties for tissue engineering. Biomaterials Science, 2018, 6, 2938-2950.	5.4	83
22	A highly adhesive and naturally derived sealant. Biomaterials, 2017, 140, 115-127.	11.4	188
23	Engineering a sprayable and elastic hydrogel adhesive with antimicrobial properties for wound healing. Biomaterials, 2017, 139, 229-243.	11.4	417
24	Engineering a highly elastic human protein-based sealant for surgical applications. Science Translational Medicine, 2017, 9, .	12.4	261
25	In vitro and in vivo analysis of visible light crosslinkable gelatin methacryloyl (GelMA) hydrogels. Biomaterials Science, 2017, 5, 2093-2105.	5.4	218
26	Engineering Biodegradable and Biocompatible Bio-ionic Liquid Conjugated Hydrogels with Tunable Conductivity and Mechanical Properties. Scientific Reports, 2017, 7, 4345.	3.3	103
27	Investigation of poly(ether-b-amide)/nanosilica membranes for CO ₂ /CH ₄ separation. Chinese Journal of Polymer Science (English Edition), 2014, 32, 402-410.	3.8	21