Hossein Ravanbakhsh

List of Publications by Year
in descending order

14 papers	509 citations	840585 11 h-index	940416 16 g-index
16 all docs	16 docs citations	16 times ranked	412 citing authors

#	Article	IF	Citations
1	Emerging Technologies in Multiâ€Material Bioprinting. Advanced Materials, 2021, 33, e2104730.	11.1	100
2	Triggered micropore-forming bioprinting of porous viscoelastic hydrogels. Materials Horizons, 2020, 7, 2336-2347.	6.4	59
3	Triggered Release from Cellulose Microparticles Inspired by Wood Degradation by Fungi. ACS Sustainable Chemistry and Engineering, 2021, 9, 387-397.	3.2	53
4	Carbon nanotube composite hydrogels for vocal fold tissue engineering: Biocompatibility, rheology, and porosity. Materials Science and Engineering C, 2019, 103, 109861.	3.8	44
5	Carbon nanotubes promote cell migration in hydrogels. Scientific Reports, 2020, 10, 2543.	1.6	40
6	Freeform cell-laden cryobioprinting for shelf-ready tissue fabrication and storage. Matter, 2022, 5, 573-593.	5.0	36
7	Vertical Extrusion Cryo(bio)printing for Anisotropic Tissue Manufacturing. Advanced Materials, 2022, 34, e2108931.	11.1	36
8	Gas-shearing synthesis of coreâ€“shell multicompartmental microparticles as cell-like system for enzymatic cascade reaction. Chemical Engineering Journal, 2022, 428, 132607.	6.6	31
9	Composite Inks for Extrusion Printing of Biological and Biomedical Constructs. ACS Biomaterials Science and Engineering, 2021, 7, 4009-4026.	2.6	30
10	Designable dual-power micromotors fabricated from a biocompatible gas-shearing strategy. Chemical Engineering Journal, 2021, 407, 127187.	6.6	29
11	Injectable, Poreâ€Forming, Perfusable Doubleâ€Network Hydrogels Resilient to Extreme Biomechanical Stimulations. Advanced Science, 2022, 9, e2102627.	5.6	28
12	Immunomodulatory Microgels Support Proregenerative Macrophage Activation and Attenuate Fibroblast Collagen Synthesis. Advanced Healthcare Materials, 2022, 11, e2102366.	3.9	9
13	Fatigue behavior of Zr-based metallic glass micropillars. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 787, 139503.	2.6	6
14	Investigation of Dog-Bone Geometry for Simple Tensile Test of Pseudoelastic Shape Memory Alloys. Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, 2016, 40, 337-345.	0.8	4