

Fatemeh Karimi

List of Publications by Year in descending order

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15
papers

800
citations

758635

12
h-index

1058022

14
g-index

16
all docs

16
docs citations

16
times ranked

1360
citing authors

#	ARTICLE	IF	CITATIONS
1	Ring opening polymerization of α -amino acids: advances in synthesis, architecture and applications of polypeptides and their hybrids. <i>Chemical Society Reviews</i> , 2020, 49, 4737-4834.	18.7	178
2	MOF-Mediated Destruction of Cancer Using the Cell's Own Hydrogen Peroxide. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 33599-33608.	4.0	146
3	Ultrasound and Sonochemistry for Radical Polymerization: Sound Synthesis. <i>Chemistry - A European Journal</i> , 2019, 25, 5372-5388.	1.7	138
4	Integrin Clustering Matters: A Review of Biomaterials Functionalized with Multivalent Integrin-Binding Ligands to Improve Cell Adhesion, Migration, Differentiation, Angiogenesis, and Biomedical Device Integration. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701324.	3.9	81
5	Highly Living Stars via Core-First Photo-RAFT Polymerization: Exploitation for Ultra-High Molecular Weight Star Synthesis. <i>ACS Macro Letters</i> , 2019, 8, 1291-1295.	2.3	50
6	Macroporous Hydrogels Composed Entirely of Synthetic Polypeptides: Biocompatible and Enzyme Biodegradable 3D Cellular Scaffolds. <i>Biomacromolecules</i> , 2016, 17, 2981-2991.	2.6	48
7	Fish gelatin/Laponite biohybrid elastic coacervates: A complexation kinetics-structure relationship study. <i>International Journal of Biological Macromolecules</i> , 2013, 61, 102-113.	3.6	31
8	Personalized, Mechanically Strong, and Biodegradable Coronary Artery Stents via Melt Electrowriting. <i>ACS Macro Letters</i> , 2020, 9, 1732-1739.	2.3	27
9	Nano-scale clustering of integrin-binding ligands regulates endothelial cell adhesion, migration, and endothelialization rate: novel materials for small diameter vascular graft applications. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5942-5953.	2.9	26
10	Dynamic Covalent Hydrogels for Triggered Cell Capture and Release. <i>Bioconjugate Chemistry</i> , 2017, 28, 2235-2240.	1.8	22
11	Beyond RGD; nanoclusters of syndecan- and integrin-binding ligands synergistically enhance cell/material interactions. <i>Biomaterials</i> , 2018, 187, 81-92.	5.7	22
12	Reduced administration frequency for the treatment of fungal keratitis: a sustained natamycin release from a micellar solution. <i>Expert Opinion on Drug Delivery</i> , 2020, 17, 407-421.	2.4	22
13	Biomaterials functionalized with nanoclusters of integrin and syndecan-binding ligands improve cell adhesion and mechanosensing under shear flow conditions. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 313-325.	2.1	4
14	Amphiphilic Core Cross-Linked Star Polymers for the Delivery of Hydrophilic Drugs from Hydrophobic Matrices. <i>Biomacromolecules</i> , 2021, 22, 2554-2562.	2.6	4
15	Frontispiece: Ultrasound and Sonochemistry for Radical Polymerization: Sound Synthesis. <i>Chemistry - A European Journal</i> , 2019, 25, .	1.7	0