

Liyuan Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,485
citations

567281

15
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

2326
citing authors

#	ARTICLE	IF	CITATIONS
1	Degradation Effect and Magnetoelectric Transport Properties in CrBr ₃ Devices. <i>Materials</i> , 2022, 15, 3007.	2.9	2
2	Continuous microfluidic encapsulation of single mesenchymal stem cells using alginate microgels as injectable fillers for bone regeneration. <i>Acta Biomaterialia</i> , 2020, 111, 181-196.	8.3	55
3	Programmable microencapsulation for enhanced mesenchymal stem cell persistence and immunomodulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15392-15397.	7.1	124
4	Microfluidic Templated Multicompartment Microgels for 3D Encapsulation and Pairing of Single Cells. <i>Small</i> , 2018, 14, 1702955.	10.0	118
5	Microfluidic fabrication of microparticles for biomedical applications. <i>Chemical Society Reviews</i> , 2018, 47, 5646-5683.	38.1	410
6	Deterministic encapsulation of single cells in thin tunable microgels for niche modelling and therapeutic delivery. <i>Nature Materials</i> , 2017, 16, 236-243.	27.5	286
7	One-Step Microfluidic Fabrication of Polyelectrolyte Microcapsules in Aqueous Conditions for Protein Release. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13470-13474.	13.8	90
8	One-step generation of cell-laden microgels using double emulsion drops with a sacrificial ultra-thin oil shell. <i>Lab on A Chip</i> , 2016, 16, 1549-1555.	6.0	119
9	In-situ self-crosslinked sulfonated poly(arylene ether ketone) with alkyl side chain for enhanced performance. <i>Journal of Membrane Science</i> , 2016, 508, 15-21.	8.2	20
10	Cross-linked polyelectrolyte for direct methanol fuel cells applications based on a novel sulfonated cross-linker. <i>Journal of Power Sources</i> , 2014, 255, 101-107.	7.8	45
11	Crosslinked tri-side-chain-type sulfonated poly(arylene ether ketones) with enhanced proton conductivity by a Friedel-Crafts acylation reaction. <i>RSC Advances</i> , 2014, 4, 51916-51925.	3.6	7
12	High proton-conducting polymer electrolytes based on pendent poly(arylene ether ketone) with H-bond for proton exchange membranes. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 12363-12373.	7.1	23
13	End-group cross-linked polybenzimidazole blend membranes for high temperature proton exchange membrane. <i>Journal of Membrane Science</i> , 2012, 423-424, 495-502.	8.2	25
14	Benzimidazole-cross-linked proton exchange membranes for direct methanol fuel cells. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 9330-9339.	7.1	19
15	Self-crosslinked alkaline electrolyte membranes based on quaternary ammonium poly(ether sulfone) for high-performance alkaline fuel cells. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 9873-9881.	7.1	29
16	Cross-linked tri-side chains poly(arylene ether ketone)s containing pendant alkylsulfonic acid groups for proton exchange membranes. <i>Journal of Power Sources</i> , 2012, 201, 142-150.	7.8	21
17	Novel epoxy-based cross-linked polybenzimidazole for high temperature proton exchange membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 8412-8421.	7.1	92