Liyuan Zhang

List of Publications by Year
in descending order

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17	1,485	567281 15	888059 17
papers	citations	h-index	g-index

17	17	17	2326
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microfluidic fabrication of microparticles for biomedical applications. Chemical Society Reviews, 2018, 47, 5646-5683.	38.1	410
2	Deterministic encapsulation of single cells in thin tunable microgels for niche modelling and therapeutic delivery. Nature Materials, 2017, 16, 236-243.	27.5	286
3	Programmable microencapsulation for enhanced mesenchymal stem cell persistence and immunomodulation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15392-15397.	7.1	124
4	One-step generation of cell-laden microgels using double emulsion drops with a sacrificial ultra-thin oil shell. Lab on A Chip, 2016, 16, 1549-1555.	6.0	119
5	Microfluidic Templated Multicompartment Microgels for 3D Encapsulation and Pairing of Single Cells. Small, 2018, 14, 1702955.	10.0	118
6	Novel epoxy-based cross-linked polybenzimidazole for high temperature proton exchange membrane fuel cells. International Journal of Hydrogen Energy, 2011, 36, 8412-8421.	7.1	92
7	Oneâ€Step Microfluidic Fabrication of Polyelectrolyte Microcapsules in Aqueous Conditions for Protein Release. Angewandte Chemie - International Edition, 2016, 55, 13470-13474.	13.8	90
8	Continuous microfluidic encapsulation of single mesenchymal stem cells using alginate microgels as injectable fillers for bone regeneration. Acta Biomaterialia, 2020, 111, 181-196.	8.3	55
9	Cross-linked polyelectrolyte for direct methanol fuel cells applications based on a novel sulfonated cross-linker. Journal of Power Sources, 2014, 255, 101-107.	7.8	45
10	Self-crosslinked alkaline electrolyte membranes based onÂquaternary ammonium poly (ether sulfone) for high-performance alkaline fuel cells. International Journal of Hydrogen Energy, 2012, 37, 9873-9881.	7.1	29
11	End-group cross-linked polybenzimidazole blend membranes for high temperature proton exchange membrane. Journal of Membrane Science, 2012, 423-424, 495-502.	8.2	25
12	High proton-conducting polymer electrolytes based on pendent poly(arylene ether ketone) with H-bond for proton exchange membranes. International Journal of Hydrogen Energy, 2013, 38, 12363-12373.	7.1	23
13	Cross-linked tri-side chains poly(arylene ether ketone)s containing pendant alkylsulfonic acid groups for proton exchange membranes. Journal of Power Sources, 2012, 201, 142-150.	7.8	21
14	In-situ self-crosslinked sulfonated poly(arylene ether ketone) with alkyl side chain for enhanced performance. Journal of Membrane Science, 2016, 508, 15-21.	8.2	20
15	Benzimidazole-cross-linked proton exchange membranes for direct methanol fuel cells. International Journal of Hydrogen Energy, 2012, 37, 9330-9339.	7.1	19
16	Crosslinked tri-side-chain-type sulfonated poly(arylene ether ketones) with enhanced proton conductivity by a Friedelâ€“Crafts acylation reaction. RSC Advances, 2014, 4, 51916-51925.	3.6	7
17	Degradation Effect and Magnetoelectric Transport Properties in CrBr3 Devices. Materials, 2022, 15, 3007.	2.9	2