

# Macroscale biomaterials strategies for local immunomodulation

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Local biomaterials-assisted cancer immunotherapy to trigger systemic antitumor responses. <i>Chemical Society Reviews</i> , 2019, 48, 5506-5526.	18.7	209
2	Tumor immune microenvironment modulation-based drug delivery strategies for cancer immunotherapy. <i>Nanoscale</i> , 2020, 12, 413-436.	2.8	49
3	Synthetic 3D scaffolds for cancer immunotherapy. <i>Current Opinion in Biotechnology</i> , 2020, 65, 1-8.	3.3	6
4	Reactive Oxygen Species-Scavenging Scaffold with Rapamycin for Treatment of Intervertebral Disk Degeneration. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901186.	3.9	33
5	An implantable blood clot-based immune niche for enhanced cancer vaccination. <i>Science Advances</i> , 2020, 6, .	4.7	66
6	Engineering Antiviral Vaccines. <i>ACS Nano</i> , 2020, 14, 12370-12389.	7.3	50
7	Bioresponsive drug delivery systems for the treatment of inflammatory diseases. <i>Journal of Controlled Release</i> , 2020, 327, 641-666.	4.8	97
8	Cell and tissue engineering in lymph nodes for cancer immunotherapy. <i>Advanced Drug Delivery Reviews</i> , 2020, 161-162, 42-62.	6.6	43
9	Biomaterials as Local Niches for Immunomodulation. <i>Accounts of Chemical Research</i> , 2020, 53, 1749-1760.	7.6	73
10	Choice of Nanovaccine Delivery Mode Has Profound Impacts on the Intralymph Node Spatiotemporal Distribution and Immunotherapy Efficacy. <i>Advanced Science</i> , 2020, 7, 2001108.	5.6	21
11	Immunostimulatory biomaterials to boost tumor immunogenicity. <i>Biomaterials Science</i> , 2020, 8, 5516-5537.	2.6	11
12	Bimetallic Oxide FeWO <sub>4</sub> Nanosheets as Multifunctional Cascade Bioreactors for Tumor Microenvironment Modulation and Enhanced Multimodal Cancer Therapy. <i>Advanced Functional Materials</i> , 2020, 30, 2002753.	7.8	80
13	3D Bioprinting and Translation of Beta Cell Replacement Therapies for Type 1 Diabetes. <i>Tissue Engineering - Part B: Reviews</i> , 2021, 27, 238-252.	2.5	11
14	Engineering of Living Cells with Polyphenol-Functionalized Biologically Active Nanocomplexes. <i>Advanced Materials</i> , 2020, 32, e2003492.	11.1	60
15	Tuning the Local Availability of VEGF within Glycosaminoglycan-Based Hydrogels to Modulate Vascular Endothelial Cell Morphogenesis. <i>Advanced Functional Materials</i> , 2020, 30, 2000068.	7.8	27
16	Micro-/Nanotopography on Bioresorbable Zinc Dictates Cytocompatibility, Bone Cell Differentiation, and Macrophage Polarization. <i>Nano Letters</i> , 2020, 20, 4594-4602.	4.5	55
17	Antifibrotic strategies for medical devices. <i>Advanced Drug Delivery Reviews</i> , 2020, 167, 109-120.	6.6	36
18	A biodegradable thermosensitive hydrogel vaccine for cancer immunotherapy. <i>Applied Materials Today</i> , 2020, 19, 100608.	2.3	28

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19	Advanced Strategies for Modulation of the Material-Macrophage Interface. <i>Advanced Functional Materials</i> , 2020, 30, 1909331.	7.8	69
20	A three-dimensional hyaluronic acid-based niche enhances the therapeutic efficacy of human natural killer cell-based cancer immunotherapy. <i>Biomaterials</i> , 2020, 247, 119960.	5.7	37
21	Kill two birds with one stone: A novel dual-functional nanobiomaterial platform with a clear translational potential for bone regeneration. <i>Nano Research</i> , 2020, 13, 2311-2312.	5.8	0
22	Recent Advances in the Controlled Release of Growth Factors and Cytokines for Improving Cutaneous Wound Healing. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 638.	1.8	41
23	Advanced biomaterials for cancer immunotherapy. <i>Acta Pharmacologica Sinica</i> , 2020, 41, 911-927.	2.8	62
24	Reprogramming Tumor Microenvironment with Photothermal Therapy. <i>Bioconjugate Chemistry</i> , 2020, 31, 1268-1278.	1.8	66
25	Controlled release of immunotherapeutics for enhanced cancer immunotherapy after local delivery. <i>Journal of Controlled Release</i> , 2021, 329, 882-893.	4.8	22
26	Antibacterial, proangiogenic, and osteopromotive nanoglass paste coordinates regenerative process following bacterial infection in hard tissue. <i>Biomaterials</i> , 2021, 268, 120593.	5.7	37
27	Microneedles for painless transdermal immunotherapeutic applications. <i>Journal of Controlled Release</i> , 2021, 330, 185-217.	4.8	131
28	Dissolving microneedles delivering cancer cell membrane coated nanoparticles for cancer immunotherapy. <i>RSC Advances</i> , 2021, 11, 10393-10399.	1.7	22
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30	Nanomaterials for T-cell cancer immunotherapy. <i>Nature Nanotechnology</i> , 2021, 16, 25-36.	15.6	191
31	Gold Nanoparticles and Graphene Oxide Flakes Synergistic Partaking in Cytosolic Bactericidal Augmentation: Role of ROS and NOX2 Activity. <i>Microorganisms</i> , 2021, 9, 101.	1.6	22
32	Tailoring Materials for Modulation of Macrophage Fate. <i>Advanced Materials</i> , 2021, 33, e2004172.	11.1	141
33	Mechanobiological Principles Influence the Immune Response in Regeneration: Implications for Bone Healing. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 614508.	2.0	13
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37	Immunomodulatory biomaterials and their application in therapies for chronic inflammation-related diseases. <i>Acta Biomaterialia</i> , 2021, 123, 1-30.	4.1	72

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38	Harnessing molecular recognition for localized drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2021, 170, 238-260.	6.6	15
39	PEGylation enables subcutaneously administered nanoparticles to induce antigen-specific immune tolerance. <i>Journal of Controlled Release</i> , 2021, 331, 164-175.	4.8	31
40	Engineering Strategies for Immunomodulatory Cytokine Therapies: Challenges and Clinical Progress. <i>Advanced Therapeutics</i> , 2021, 4, 2100035.	1.6	42
41	Peptide-based supramolecular vaccine systems. <i>Acta Biomaterialia</i> , 2021, 133, 153-167.	4.1	39
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43	Mesenchymal stromal exosomeâ€“functionalized scaffolds induce innate and adaptive immunomodulatory responses toward tissue repair. <i>Science Advances</i> , 2021, 7, .	4.7	66
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57	Local Delivery of Pirfenidone by PLA Implants Modifies Foreign Body Reaction and Prevents Fibrosis. <i>Biomedicines</i> , 2021, 9, 853.	1.4	16
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68	Immuno-regenerative biomaterials for in situ cardiovascular tissue engineering – Do patient characteristics warrant precision engineering?. <i>Advanced Drug Delivery Reviews</i> , 2021, 178, 113960.	6.6	29
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