

Robert S Oakes

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

320
citations

933264

10
h-index

940416

16
g-index

17
all docs

17
docs citations

17
times ranked

435
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping the Mechanical and Immunological Profiles of Polymeric Microneedles to Enable Vaccine and Immunotherapy Applications. <i>Frontiers in Immunology</i> , 2022, 13, 843355.	2.2	15
2	Exploiting Rational Assembly to Map Distinct Roles of Regulatory Cues during Autoimmune Therapy. <i>ACS Nano</i> , 2021, 15, 4305-4320.	7.3	13
3	Biophysical Properties of Self-Assembled Immune Signals Impact Signal Processing and the Nature of Regulatory Immune Function. <i>Nano Letters</i> , 2021, 21, 3762-3771.	4.5	11
4	High Frequency Spectral Ultrasound Imaging to Detect Metastasis in Implanted Biomaterial Scaffolds. <i>Annals of Biomedical Engineering</i> , 2020, 48, 477-489.	1.3	8
5	Metastatic Conditioning of Myeloid Cells at a Subcutaneous Synthetic Niche Reflects Disease Progression and Predicts Therapeutic Outcomes. <i>Cancer Research</i> , 2020, 80, 602-612.	0.4	28
6	Microporous scaffolds loaded with immunomodulatory lentivirus to study the contribution of immune cell populations to tumor cell recruitment in vivo. <i>Biotechnology and Bioengineering</i> , 2020, 117, 210-222.	1.7	10
7	Human lung organoids develop into adult airway-like structures directed by physico-chemical biomaterial properties. <i>Biomaterials</i> , 2020, 234, 119757.	5.7	46
8	Engineered immunological niches to monitor disease activity and treatment efficacy in relapsing multiple sclerosis. <i>Nature Communications</i> , 2020, 11, 3871.	5.8	9
9	Engineered Niches to Analyze Mechanisms of Metastasis and Guide Precision Medicine. <i>Cancer Research</i> , 2020, 80, 3786-3794.	0.4	16
10	Biomaterial Scaffolds Recruit an Aggressive Population of Metastatic Tumor Cells <i>In Vivo</i> . <i>Cancer Research</i> , 2019, 79, 2042-2053.	0.4	26
11	Engineering Biomaterials to Direct Innate Immunity. <i>Advanced Therapeutics</i> , 2019, 2, 1800157.	1.6	31
12	Biomaterial Scaffolds as Pre-metastatic Niche Mimics Systemically Alter the Primary Tumor and Tumor Microenvironment. <i>Advanced Healthcare Materials</i> , 2018, 7, e1700903.	3.9	25
13	Retrievable hydrogels for ovarian follicle transplantation and oocyte collection. <i>Biotechnology and Bioengineering</i> , 2018, 115, 2075-2086.	1.7	45
14	Embryonic stem cell secreted factors decrease invasiveness of triple-negative breast cancer cells through regulome modulation. <i>Cancer Biology and Therapy</i> , 2018, 19, 271-281.	1.5	5
15	An astrocyte derived extracellular matrix coating reduces astrogliosis surrounding chronically implanted microelectrode arrays in rat cortex. <i>Biomaterials</i> , 2018, 154, 1-11.	5.7	29
16	A plug-and-play approach for malaria vaccination. <i>Nature Nanotechnology</i> , 2018, 13, 1096-1097.	15.6	3
17	Pre-Metastatic Niche: Biomaterial Scaffolds as Pre-metastatic Niche Mimics Systemically Alter the Primary Tumor and Tumor Microenvironment (Adv. Healthcare Mater. 10/2018). <i>Advanced Healthcare Materials</i> , 2018, 7, 1870040.	3.9	0