Christopher Blake Rodell

List of Publications by Year
in descending order

44 papers	5,488 citations	293460 24 h-index	286692 43 g-index

44 all docs	44 docs citations	44 times ranked	8885 citing authors

#	Article	IF	Citations
1	Measurement of glomerular filtration rate reveals that subcapsular injection of shearâ€thinning hyaluronic acid hydrogels does not impair kidney function in mice. Journal of Biomedical Materials Research - Part A, 2022, 110, 652-658.	2.1	3
2	Macrophage-Targeted Therapy Unlocks Antitumoral Cross-talk between IFNÎ³-Secreting Lymphocytes and IL12-Producing Dendritic Cells. Cancer Immunology Research, 2022, 10, 40-55.	1.6	18
3	Quantification of Cellular Drug Biodistribution Addresses Challenges in Evaluating In Vitro and In Vivo Encapsulated Drug Delivery. Advanced Therapeutics, 2021, 4, 2000125.	1.6	6
4	Polymeric materials for immune engineering: Molecular interaction to biomaterial design. Acta Biomaterialia, 2021, 133, 139-152.	4.1	30
5	Applications of Macrocyclic Host Molecules in Immune Modulation and Therapeutic Delivery. Frontiers in Chemistry, 2021, 9, 658548.	1.8	12
6	Therapeutically reprogrammed nutrient signalling enhances nanoparticulate albumin bound drug uptake and efficacy in KRAS-mutant cancer. Nature Nanotechnology, 2021, 16, 830-839.	15.6	55
7	NIMG-48. TLR7/8-AGONIST-LOADED NANOPARTICLES REPROGRAM TUMOR-ASSOCIATED MYELOID CELLS FOR EFFECTIVE IMMUNOTHERAPY OF EXPERIMENTAL GLIOMA AND MRI-BASED TREATMENT MONITORING. Neuro-Oncology, 2021, 23, vi139-vi140.	0.6	1
8	Tunable Blood Shunt for Neonates With Complex Congenital Heart Defects. Frontiers in Bioengineering and Biotechnology, 2021, 9, 734310.	2.0	1
9	Myeloid Cell-Targeted Nanocarriers Efficiently Inhibit Cellular Inhibitor of Apoptosis for Cancer Immunotherapy. Cell Chemical Biology, 2020, 27, 94-104.e5.	2.5	16
10	How hydrogel inclusions modulate the local mechanical response in early and fully formed post-infarcted myocardium. Acta Biomaterialia, 2020, 114, 296-306.	4.1	16
11	Injectable Shear-Thinning Hydrogels Prevent Ischemic Mitral Regurgitation and Normalize Ventricular Flow Dynamics. Seminars in Thoracic and Cardiovascular Surgery, 2020, 32, 445-453.	0.4	1
12	An ACE therapy for COVID-19. Science Translational Medicine, 2020, 12, .	5.8	10
13	An affinity for pure drugs. Science Translational Medicine, 2020, 12, .	5.8	0
14	Screening for new macrophage therapeutics. Theranostics, 2019, 9, 7714-7729.	4.6	26
15	Development of Adamantane-Conjugated TLR7/8 Agonists for Supramolecular Delivery and Cancer Immunotherapy. Theranostics, 2019, 9, 8426-8436.	4.6	65
16	A Supramolecular Nanocarrier for Delivery of Amiodarone Anti-Arrhythmic Therapy to the Heart. Bioconjugate Chemistry, 2019, 30, 733-740.	1.8	24
17	Nuclear-Import Receptors Reverse Aberrant Phase Transitions of RNA-Binding Proteins with Prion-like Domains. Cell, 2018, 173, 677-692.e20.	13.5	376
18	Reversible Control of Network Properties in Azobenzene-Containing Hyaluronic Acid-Based Hydrogels. Bioconjugate Chemistry, 2018, 29, 905-913.	1.8	132

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19	Quantitative Imaging of Tumor-Associated Macrophages and Their Response to Therapy Using ⁶⁴Cu-Labeled Macrin. ACS Nano, 2018, 12, 12015-12029.	7.3	117
20	TLR7/8-agonist-loaded nanoparticles promote the polarization of tumour-associated macrophages to enhance cancer immunotherapy. Nature Biomedical Engineering, 2018, 2, 578-588.	11.6	714
21	Cathelicidin Related Antimicrobial Peptide (CRAMP) Enhances Bone Marrow Cell Retention and Attenuates Cardiac Dysfunction in a Mouse Model of Myocardial Infarction. Stem Cell Reviews and Reports, 2018, 14, 702-714.	5.6	11
22	Effects of hydrogel injection on borderzone contractility post-myocardial infarction. Biomechanics and Modeling in Mechanobiology, 2018, 17, 1533-1542.	1.4	18
23	Computational sensitivity investigation of hydrogel injection characteristics for myocardial support. Journal of Biomechanics, 2017, 64, 231-235.	0.9	13
24	Shear-thinning and self-healing hydrogels as injectable therapeutics and for 3D-printing. Nature Protocols, 2017, 12, 1521-1541.	5.5	382
25	Epicardial YAP/TAZ orchestrate an immunosuppressive response following myocardial infarction. Journal of Clinical Investigation, 2017, 127, 899-911.	3.9	126
26	Injectable Shear-Thinning Hydrogels for Minimally Invasive Delivery to Infarcted Myocardium to Limit Left Ventricular Remodeling. Circulation: Cardiovascular Interventions, 2016, 9, .	1.4	98
27	Injectable and Cytocompatible Tough Doubleâ€Network Hydrogels through Tandem Supramolecular and Covalent Crosslinking. Advanced Materials, 2016, 28, 8419-8424.	11.1	233
28	Evolution of hierarchical porous structures in supramolecular guestâ€“host hydrogels. Soft Matter, 2016, 12, 7839-7847.	1.2	21
29	Delivery of interleukin-10 via injectable hydrogels improves renal outcomes and reduces systemic inflammation following ischemic acute kidney injury in mice. American Journal of Physiology - Renal Physiology, 2016, 311, F362-F372.	1.3	50
30	3D Printing of Shear-Thinning Hyaluronic Acid Hydrogels with Secondary Cross-Linking. ACS Biomaterials Science and Engineering, 2016, 2, 1743-1751.	2.6	473
31	Direct 3D Printing of Shearâ€Thinning Hydrogels into Selfâ€Healing Hydrogels. Advanced Materials, 2015, 27, 5075-5079.	11.1	831
32	Progress in material design for biomedical applications. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14444-14451.	3.3	201
33	Shearâ€Thinning Supramolecular Hydrogels with Secondary Autonomous Covalent Crosslinking to Modulate Viscoelastic Properties In Vivo. Advanced Functional Materials, 2015, 25, 636-644.	7.8	278
34	Selective Proteolytic Degradation of Guestâ€“Host Assembled, Injectable Hyaluronic Acid Hydrogels. ACS Biomaterials Science and Engineering, 2015, 1, 277-286.	2.6	79
35	Protease-degradable electrospun fibrous hydrogels. Nature Communications, 2015, 6, 6639.	5.8	126
36	Local immunotherapy via delivery of interleukin-10 and transforming growth factor Î² antagonist for treatment of chronic kidney disease. Journal of Controlled Release, 2015, 206, 131-139.	4.8	60

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37	Visualization of Injectable Hydrogels Using Chemical Exchange Saturation Transfer MRI. ACS Biomaterials Science and Engineering, 2015, 1, 227-237.	2.6	19
38	Injectable shear-thinning hydrogels used to deliver endothelial progenitor cells, enhance cell engraftment, and improve ischemic myocardium. Journal of Thoracic and Cardiovascular Surgery, 2015, 150, 1268-1277.	0.4	113
39	Supramolecular Guestâ€“Host Interactions for the Preparation of Biomedical Materials. Bioconjugate Chemistry, 2015, 26, 2279-2289.	1.8	162
40	Sustained small molecule delivery from injectable hyaluronic acid hydrogels through hostâ€“guest mediated retention. Journal of Materials Chemistry B, 2015, 3, 8010-8019.	2.9	111
41	Ordered, adherent layers of nanofibers enabled by supramolecular interactions. Journal of Materials Chemistry B, 2014, 2, 8110-8115.	2.9	22
42	Radicals promote magnetic gel assembly. Nature, 2014, 514, 574-575.	13.7	4
43	Secondary Photocrosslinking of Injectable Shearâ€Thinning Dockâ€andâ€Lock Hydrogels. Advanced Healthcare Materials, 2013, 2, 1028-1036.	3.9	85
44	Rational Design of Network Properties in Guestâ€“Host Assembled and Shear-Thinning Hyaluronic Acid Hydrogels. Biomacromolecules, 2013, 14, 4125-4134.	2.6	349