

John R Martin

List of Publications by Year in descending order

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13
papers

866
citations

840776

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1281871

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14
docs citations

14
times ranked

1556
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell Protective, ABC Triblock Polymer-Based Thermoresponsive Hydrogels with ROS-Triggered Degradation and Drug Release. <i>Journal of the American Chemical Society</i> , 2014, 136, 14896-14902.	13.7	216
2	ROS-responsive microspheres for on demand antioxidant therapy in a model of diabetic peripheral arterial disease. <i>Biomaterials</i> , 2015, 41, 166-175.	11.4	160
3	A porous tissue engineering scaffold selectively degraded by cell-generated reactive oxygen species. <i>Biomaterials</i> , 2014, 35, 3766-3776.	11.4	124
4	Synthetic Charge-Invertible Polymer for Rapid and Complete Implantation of Layer-by-Layer Microneedle Drug Films for Enhanced Transdermal Vaccination. <i>ACS Nano</i> , 2018, 12, 10272-10280.	14.6	72
5	Local Delivery of PHD2 siRNA from ROS-Degradable Scaffolds to Promote Diabetic Wound Healing. <i>Advanced Healthcare Materials</i> , 2016, 5, 2751-2757.	7.6	71
6	Thermogelling, ABC Triblock Copolymer Platform for Resorbable Hydrogels with Tunable, Degradation-Mediated Drug Release. <i>Advanced Functional Materials</i> , 2017, 27, 1704107.	14.9	49
7	Enhanced stem cell retention and antioxidative protection with injectable, ROS-degradable PEG hydrogels. <i>Biomaterials</i> , 2020, 263, 120377.	11.4	45
8	Reactive oxygen species-degradable polythioether urethane foam dressings to promote porcine skin wound repair. <i>Science Translational Medicine</i> , 2022, 14, eabm6586.	12.4	37
9	Reactive Oxygen Species Shielding Hydrogel for the Delivery of Adherent and Nonadherent Therapeutic Cell Types. <i>Tissue Engineering - Part A</i> , 2017, 23, 1120-1131.	3.1	36
10	Porcine Ischemic Wound-Healing Model for Preclinical Testing of Degradable Biomaterials. <i>Tissue Engineering - Part C: Methods</i> , 2017, 23, 754-762.	2.1	34
11	Oxidation-Responsive, Tunable Growth Factor Delivery from Polyelectrolyte-Coated Implants. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001941.	7.6	18
12	Oxidation State as a Bioresponsive Trigger. , 2016, , 225-250.		2
13	489. Localized, siRNA-Mediated Silencing of PHD2 to Promote Wound Vascularization. <i>Molecular Therapy</i> , 2015, 23, S194-S195.	8.2	0