

# Ennio Tasciotti

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

189 papers	7,390 citations	44 h-index	80 g-index
202 ext. papers	8,743 ext. citations	7.9 avg, IF	6.01 L-index

#	Paper	IF	Citations
189	Biomimetic Scaffolds Modulate the Posttraumatic Inflammatory Response in Articular Cartilage Contributing to Enhanced Neof ormation of Cartilaginous Tissue In Vivo (Adv. Healthcare Mater. 1/2022). <i>Advanced Healthcare Materials</i> , <b>2022</b> , 11, 2270002	10.1	
188	Thermally responsive hydrogel for atrial fibrillation related stroke prevention.. <i>Materials Today Bio</i> , <b>2022</b> , 14, 100240	9.9	
187	Electrospun electroconductive constructs of aligned fibers for cardiac tissue engineering. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2022</b> , 44, 102567	6	0
186	LDL-Based Lipid Nanoparticle Derived for Blood Plasma Accumulates Preferentially in Atherosclerotic Plaque.. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 794676	5.8	0
185	Humanized Biomimetic Nanovesicles for Neuron Targeting (Adv. Sci. 19/2021). <i>Advanced Science</i> , <b>2021</b> , 8, 2170125	13.6	78
184	Amniotic fluid allograft enhances the host response to ventral hernia repair using acellular dermal matrix. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2021</b> , 15, 1092-1104	4.4	0
183	Biomimetic Scaffolds Modulate the Posttraumatic Inflammatory Response in Articular Cartilage Contributing to Enhanced Neof ormation of Cartilaginous Tissue In Vivo. <i>Advanced Healthcare Materials</i> , <b>2021</b> , e2101127	10.1	4
182	Enhancing Inflammation Targeting Using Tunable Leukocyte-Based Biomimetic Nanoparticles. <i>ACS Nano</i> , <b>2021</b> , 15, 6326-6339	16.7	19
181	Lysyl oxidase engineered lipid nanovesicles for the treatment of triple negative breast cancer. <i>Scientific Reports</i> , <b>2021</b> , 11, 5107	4.9	19
180	Polyester Mesh Functionalization with Nitric Oxide-Releasing Silica Nanoparticles Reduces Early Methicillin-Resistant Contamination. <i>Surgical Infections</i> , <b>2021</b> , 22, 910-922	2	1
179	Platelet-rich plasma enhances mechanical strength of strattice in rat model of ventral hernia repair. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2021</b> , 15, 634-647	4.4	1
178	Mesenchymal Stromal Cell-Mediated Treatment of Local and Systemic Inflammation through the Triggering of an Anti-Inflammatory Response. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2002997	15.6	4
177	Addition of platelet-rich plasma supports immune modulation and improved mechanical integrity in Alloderm mesh for ventral hernia repair in a rat model. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2021</b> , 15, 3-13	4.4	3
176	Nanovectors: Mesenchymal Stromal Cell-Mediated Treatment of Local and Systemic Inflammation through the Triggering of an Anti-Inflammatory Response (Adv. Funct. Mater. 3/2021). <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2170019	15.6	
175	Non-Invasive Assessment of the Spatial and Temporal Distributions of Interstitial Fluid Pressure, Fluid Velocity and Fluid Flow in Cancers In Vivo. <i>IEEE Access</i> , <b>2021</b> , 9, 89222-89233	3.5	3
174	Lineage-specific mechanisms and drivers of breast cancer chemoresistance revealed by 3D biomimetic culture. <i>Molecular Oncology</i> , <b>2021</b> ,	7.9	4
173	Tutorial: using nanoneedles for intracellular delivery. <i>Nature Protocols</i> , <b>2021</b> , 16, 4539-4563	18.8	6

172	Humanized Biomimetic Nanovesicles for Neuron Targeting. <i>Advanced Science</i> , <b>2021</b> , 8, e2101437	13.6	3
171	Improved Posterolateral Lumbar Spinal Fusion Using a Biomimetic, Nanocomposite Scaffold Augmented by Autologous Platelet-Rich Plasma. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 622099	5.8	0
170	Cell membrane coating integrity affects the internalization mechanism of biomimetic nanoparticles. <i>Nature Communications</i> , <b>2021</b> , 12, 5726	17.4	11
169	A CNN-based method to reconstruct 3-D spine surfaces from US images in vivo. <i>Medical Image Analysis</i> , <b>2021</b> , 74, 102221	15.4	3
168	Bioinspired Extracellular Vesicles: Lessons Learned From Nature for Biomedicine and Bioengineering. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	8
167	Cell Membrane-Based Biomimetic Nanoparticles and the Immune System: Immunomodulatory Interactions to Therapeutic Applications. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 627	5.8	23
166	Bioinspired Scaffold Action Under the Extreme Physiological Conditions of Simulated Space Flights: Osteogenesis Enhancing Under Microgravity. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 722	5.8	4
165	Toward Nanotechnology-Enabled Approaches against the COVID-19 Pandemic. <i>ACS Nano</i> , <b>2020</b> , 14, 6383-6406	16.4	290
164	Liposome-Embedding Silicon Microparticle for Oxaliplatin Delivery in Tumor Chemotherapy. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	11
163	Endosomal Escape of Polymer-Coated Silica Nanoparticles in Endothelial Cells. <i>Small</i> , <b>2020</b> , 16, e1907693	11	5
162	Loss of p53 drives neuron reprogramming in head and neck cancer. <i>Nature</i> , <b>2020</b> , 578, 449-454	50.4	99
161	Electrospun anti-inflammatory patch loaded with essential oils for wound healing. <i>International Journal of Pharmaceutics</i> , <b>2020</b> , 577, 119067	6.5	28
160	Biocompatible PLGA-Mesoporous Silicon Microspheres for the Controlled Release of BMP-2 for Bone Augmentation. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	12
159	Non-invasive imaging of Young's modulus and Poisson's ratio in cancers in vivo. <i>Scientific Reports</i> , <b>2020</b> , 10, 7266	4.9	12
158	A Marriage Between Plastic Surgery and Nano-Medicine: Future Directions for Restoration in Mandibular Reconstruction and Skin Defects. <i>Frontiers in Surgery</i> , <b>2020</b> , 7, 13	2.3	0
157	Acute Physiologic Effects of Performing Yoga in The Heat on Energy Expenditure, Range of Motion, and Inflammatory Biomarkers. <i>International Journal of Exercise Science</i> , <b>2020</b> , 13, 802-817	1.3	1
156	Rapamycin-Loaded Biomimetic Nanoparticles Reverse Vascular Inflammation. <i>Circulation Research</i> , <b>2020</b> , 126, 25-37	15.7	51
155	Biomimetic cellular vectors for enhancing drug delivery to the lungs. <i>Scientific Reports</i> , <b>2020</b> , 10, 172	4.9	8

154	Leukocyte-mimicking nanovesicles for effective doxorubicin delivery to treat breast cancer and melanoma. <i>Biomaterials Science</i> , <b>2020</b> , 8, 333-341	7.4	28
153	Modeling and Analysis of Ultrasound Elastographic Axial Strains for Spine Fracture Identification. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , <b>2020</b> , 67, 898-909	3.2	2
152	Phosphoprotein-based biomarkers as predictors for cancer therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 18401-18411	11.5	10
151	Biomimetic Nanoparticles Potentiate the Anti-Inflammatory Properties of Dexamethasone and Reduce the Cytokine Storm Syndrome: An Additional Weapon against COVID-19?. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	12
150	Mimicking the Organic and Inorganic Composition of Anabolic Bone Enhances Human Mesenchymal Stem Cell Osteoinduction and Scaffold Mechanical Properties. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 753	5.8	3
149	Improving the immunosuppressive potential of articular chondroprogenitors in a three-dimensional culture setting. <i>Scientific Reports</i> , <b>2020</b> , 10, 16610	4.9	6
148	Identification of ultrasound imaging markers to quantify long bone regeneration in a segmental tibial defect sheep model in vivo. <i>Scientific Reports</i> , <b>2020</b> , 10, 13646	4.9	4
147	Reproducible and Characterized Method for Ponatinib Encapsulation into Biomimetic Lipid Nanoparticles as a Platform for Multi-Tyrosine Kinase-Targeted Therapy.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 6737-6745	4.1	9
146	Estimation of Vascular Permeability in Irregularly Shaped Cancers Using Ultrasound Poroelastography. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2020</b> , 67, 1083-1096	5	9
145	A biomimetic 3D model of hypoxia-driven cancer progression. <i>Scientific Reports</i> , <b>2019</b> , 9, 12263	4.9	34
144	Nanotechnology in the Treatment of Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , <b>2019</b> , 25, 1871-1880	4.5	9
143	p65BTK is a novel potential actionable target in KRAS-mutated/EGFR-wild type lung adenocarcinoma. <i>Journal of Experimental and Clinical Cancer Research</i> , <b>2019</b> , 38, 260	12.8	19
142	Macrophage-derived nanovesicles exert intrinsic anti-inflammatory properties and prolong survival in sepsis through a direct interaction with macrophages. <i>Nanoscale</i> , <b>2019</b> , 11, 13576-13586	7.7	28
141	Cell membrane protein functionalization of nanoparticles as a new tumor-targeting strategy. <i>Clinical and Translational Medicine</i> , <b>2019</b> , 8, 8	5.7	23
140	Immunomodulatory potential of mesenchymal stem cell role in diseases and therapies: A bioengineering prospective. <i>Journal of Immunology and Regenerative Medicine</i> , <b>2019</b> , 4, 100017	2.8	2
139	Helix-A peptide prevents gp120-mediated neuronal loss. <i>Molecular Brain</i> , <b>2019</b> , 12, 61	4.5	3
138	Non-Invasive Imaging of Normalized Solid Stress in Cancers in Vivo. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , <b>2019</b> , 7, 4300209	3	5
137	Exosome-like Nanovectors for Drug Delivery in Cancer. <i>Current Medicinal Chemistry</i> , <b>2019</b> , 26, 6132-6148	4.3	47

136	Ultrasound shear wave elastography effectively predicts integrity of ventral hernia repair using acellular dermal matrix augmented with platelet-rich plasma (PRP). <i>Surgical Endoscopy and Other Interventional Techniques</i> , <b>2019</b> , 33, 2802-2811	5.2	3
135	Assessment of the long bone inter-fragmentary gap size in ultrasound strain elastograms. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 025014	3.8	3
134	Smart cancer therapy with DNA origami. <i>Nature Biotechnology</i> , <b>2018</b> , 36, 234-235	44.5	32
133	Design and Development of Biomimetic Nanovesicles Using a Microfluidic Approach. <i>Advanced Materials</i> , <b>2018</b> , 30, e1702749	24	65
132	Bone surface enhancement in ultrasound images using a new Doppler-based acquisition/processing method. <i>Physics in Medicine and Biology</i> , <b>2018</b> , 63, 025035	3.8	2
131	A New Method for Estimating the Effective Poisson's Ratio in Ultrasound Poroelastography. <i>IEEE Transactions on Medical Imaging</i> , <b>2018</b> , 37, 1178-1191	11.7	25
130	A Model-Based Approach to Investigate the Effect of a Long Bone Fracture on Ultrasound Strain Elastography. <i>IEEE Transactions on Medical Imaging</i> , <b>2018</b> , 37, 2704-2717	11.7	5
129	Biomimetic nanoparticles with enhanced affinity towards activated endothelium as versatile tools for theranostic drug delivery. <i>Theranostics</i> , <b>2018</b> , 8, 1131-1145	12.1	66
128	Biomimetic Tissue Engineering: Tuning the Immune and Inflammatory Response to Implantable Biomaterials. <i>Advanced Healthcare Materials</i> , <b>2018</b> , 7, e1800490	10.1	49
127	Trends towards Biomimicry in Theranostics. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	11
126	Controlled Release of Small Molecules for Cardiac Differentiation of Pluripotent Stem Cells. <i>Tissue Engineering - Part A</i> , <b>2018</b> , 24, 1798-1807	3.9	3
125	Diagnostic Devices for Circulating Biomarkers Detection and Quantification. <i>Current Medicinal Chemistry</i> , <b>2018</b> , 25, 4304-4327	4.3	3
124	In vivo imaging of radiopaque resorbable inferior vena cava filter infused with gold nanoparticles. <i>Proceedings of SPIE</i> , <b>2018</b> , 10576,	1.7	3
123	Inflammation and Cancer: In Medio Stat Nano. <i>Current Medicinal Chemistry</i> , <b>2018</b> , 25, 4208-4223	4.3	16
122	Electrospun Patch Functionalized with Nanoparticles Allows for Spatiotemporal Release of VEGF and PDGF-BB Promoting In Vivo Neovascularization. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 44344-44353	9.5	19
121	Microfluidic Assembly of Liposomes with Tunable Size and Coloading Capabilities. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1792, 205-214	1.4	8
120	Localized inhibition of P2X7R at the spinal cord injury site improves neurogenic bladder dysfunction by decreasing urothelial P2X3R expression in rats. <i>Life Sciences</i> , <b>2017</b> , 171, 60-67	6.8	14
119	Cross-linking of porcine acellular dermal matrices negatively affects induced neovessel formation using platelet-rich plasma in a rat model of hernia repair. <i>Wound Repair and Regeneration</i> , <b>2017</b> , 25, 98-108	3.6	8

118	Investigating the Mechanobiology of Cancer Cell-ECM Interaction Through Collagen-Based 3D Scaffolds. <i>Cellular and Molecular Bioengineering</i> , <b>2017</b> , 10, 223-234	3.9	34
117	Unveiling the in Vivo Protein Corona of Circulating Leukocyte-like Carriers. <i>ACS Nano</i> , <b>2017</b> , 11, 3262-3273	13.7	87
116	Enhancing Vascularization through the Controlled Release of Platelet-Derived Growth Factor-BB. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 14566-14575	9.5	25
115	Endocytic Trafficking of HIV gp120 is Mediated by Dynamin and Plays a Role in gp120 Neurotoxicity. <i>Journal of NeuroImmune Pharmacology</i> , <b>2017</b> , 12, 492-503	6.9	15
114	Nanoantibiotics: a new paradigm for the treatment of surgical infection. <i>Nanomedicine</i> , <b>2017</b> , 12, 1319-1334	3.4	31
113	Increased use of surgical energy promotes methicillin-resistant <i>Staphylococcus aureus</i> colonization in rabbits following open ventral hernia mesh repair. <i>Surgical Endoscopy and Other Interventional Techniques</i> , <b>2017</b> , 31, 852-860	5.2	2
112	Characterization of ventral incisional hernia and repair using shear wave elastography. <i>Journal of Surgical Research</i> , <b>2017</b> , 210, 244-252	2.5	5
111	Concise Review: Biomimetic Functionalization of Biomaterials to Stimulate the Endogenous Healing Process of Cartilage and Bone Tissue. <i>Stem Cells Translational Medicine</i> , <b>2017</b> , 6, 2186-2196	6.9	24
110	Bio-inspired engineering of cell- and virus-like nanoparticles for drug delivery. <i>Biomaterials</i> , <b>2017</b> , 147, 155-168	15.6	134
109	Ghee Butter as a Therapeutic Delivery System. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2017</b> , 17, 977-82	1.3	8
108	Engineered biomimetic nanovesicles show intrinsic anti-inflammatory properties for the treatment of inflammatory bowel diseases. <i>Nanoscale</i> , <b>2017</b> , 9, 14581-14591	7.7	41
107	Hyaluronic acid coatings as a simple and efficient approach to improve MSC homing toward the site of inflammation. <i>Scientific Reports</i> , <b>2017</b> , 7, 7991	4.9	46
106	Radiopaque Resorbable Inferior Vena Cava Filter Infused with Gold Nanoparticles. <i>Scientific Reports</i> , <b>2017</b> , 7, 2147	4.9	8
105	Immune tuning scaffold for the local induction of a pro-regenerative environment. <i>Scientific Reports</i> , <b>2017</b> , 7, 17030	4.9	23
104	Chlorin e6 Functionalized Theranostic Multistage Nanovectors Transported by Stem Cells for Effective Photodynamic Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 23441-23449	9.5	48
103	Inhibition of Non Canonical HIV-1 Tat Secretion Through the Cellular Na,K-ATPase Blocks HIV-1 Infection. <i>EBioMedicine</i> , <b>2017</b> , 21, 170-181	8.8	24
102	Biomimetic collagen/elastin meshes for ventral hernia repair in a rat model. <i>Acta Biomaterialia</i> , <b>2017</b> , 50, 165-177	10.8	33
101	Platelet-rich plasma: a biomimetic approach to enhancement of surgical wound healing. <i>Journal of Surgical Research</i> , <b>2017</b> , 207, 33-44	2.5	47

100	The design and fabrication of a three-dimensional bioengineered open ventricle. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2017</b> , 105, 2206-2217	3.5	9
99	Bioinspired approaches for cancer nanotheranostics. <i>Nanomedicine</i> , <b>2017</b> , 12, 5-7	5.6	16
98	Mesoporous silica nanoparticles trigger mitophagy in endothelial cells and perturb neuronal network activity in a size- and time-dependent manner. <i>International Journal of Nanomedicine</i> , <b>2017</b> , 12, 3547-3559	7.3	34
97	Heparan Sulfate: A Potential Candidate for the Development of Biomimetic Immunomodulatory Membranes. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2017</b> , 5, 54	5.8	6
96	Innovative approaches to establish and characterize primary cultures: an 3D system and the zebrafish model. <i>Biology Open</i> , <b>2017</b> , 6, 133-140	2.2	8
95	Vascular Inflammation: A Novel Access Route for Nanomedicine. <i>Methodist DeBakey Cardiovascular Journal</i> , <b>2016</b> , 12, 169-174	2.1	19
94	Nanocomposites: Nanocomposite Hydrogels as Platform for Cells Growth, Proliferation, and Chemotaxis (Small 35/2016). <i>Small</i> , <b>2016</b> , 12, 4910-4910	11	
93	Nanocomposite Hydrogels as Platform for Cells Growth, Proliferation, and Chemotaxis. <i>Small</i> , <b>2016</b> , 12, 4881-4893	11	38
92	Local Inhibition of Macrophage and Smooth Muscle Cell Proliferation to Suppress Plaque Progression. <i>Methodist DeBakey Cardiovascular Journal</i> , <b>2016</b> , 12, 141-145	2.1	8
91	Chondroitin Sulfate Immobilized on a Biomimetic Scaffold Modulates Inflammation While Driving Chondrogenesis. <i>Stem Cells Translational Medicine</i> , <b>2016</b> , 5, 670-82	6.9	43
90	Antibody-mediated inhibition of Nogo-A signaling promotes neurite growth in PC-12 cells. <i>Journal of Tissue Engineering</i> , <b>2016</b> , 7, 2041731416629767	7.5	2
89	Mesenchymal stem cells from cortical bone demonstrate increased clonal incidence, potency, and developmental capacity compared to their bone marrow-derived counterparts. <i>Journal of Tissue Engineering</i> , <b>2016</b> , 7, 2041731416661196	7.5	16
88	Optimizing cell seeding and retention in a three-dimensional bioengineered cardiac ventricle: The two-stage cellularization model. <i>Biotechnology and Bioengineering</i> , <b>2016</b> , 113, 2275-85	4.9	12
87	Does the combination of erythropoietin and tapered oral corticosteroids improve recovery following iatrogenic nerve injury?. <i>Injury</i> , <b>2016</b> , 47, 1819-23	2.5	10
86	Porcine acellular lung matrix for wound healing and abdominal wall reconstruction: A pilot study. <i>Journal of Tissue Engineering</i> , <b>2016</b> , 7, 2041731415626018	7.5	15
85	A New Class of Phantom Materials for Poroelastography Imaging Techniques. <i>Ultrasound in Medicine and Biology</i> , <b>2016</b> , 42, 1230-8	3.5	8
84	Microfluidic interactions between red blood cells and drug carriers by image analysis techniques. <i>Medical Engineering and Physics</i> , <b>2016</b> , 38, 17-23	2.4	18
83	The impact of nanoparticle protein corona on cytotoxicity, immunotoxicity and target drug delivery. <i>Nanomedicine</i> , <b>2016</b> , 11, 81-100	5.6	368



82	Cell source determines the immunological impact of biomimetic nanoparticles. <i>Biomaterials</i> , <b>2016</b> , 82, 168-77	15.6	41
81	One-pot synthesis of pH-responsive hybrid nanogel particles for the intracellular delivery of small interfering RNA. <i>Biomaterials</i> , <b>2016</b> , 87, 57-68	15.6	55
80	Case Study: Application of LeukoLike Technology to Camouflage Nanoparticles from the Immune Recognition. <i>Frontiers in Nanobiomedical Research</i> , <b>2016</b> , 43-68		
79	IL-4 Release from a Biomimetic Scaffold for the Temporally Controlled Modulation of Macrophage Response. <i>Annals of Biomedical Engineering</i> , <b>2016</b> , 44, 2008-19	4.7	46
78	Ultrasound elastography assessment of bone/soft tissue interface. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 131-50	3.8	14
77	Decreased hernia recurrence using autologous platelet-rich plasma (PRP) with Strattice <sup>®</sup> mesh in a rodent ventral hernia model. <i>Surgical Endoscopy and Other Interventional Techniques</i> , <b>2016</b> , 30, 3239-49	5.2	19
76	Effects of the protein corona on liposome-liposome and liposome-cell interactions. <i>International Journal of Nanomedicine</i> , <b>2016</b> , 11, 3049-63	7.3	50
75	Patterning Biomaterials for the Spatiotemporal Delivery of Bioactive Molecules. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2016</b> , 4, 45	5.8	13
74	Biomimetic Concealing of PLGA Microspheres in a 3D Scaffold to Prevent Macrophage Uptake. <i>Small</i> , <b>2016</b> , 12, 1479-88	11	16
73	Identification of a binding site of the human immunodeficiency virus envelope protein gp120 to neuronal-specific tubulin. <i>Journal of Neurochemistry</i> , <b>2016</b> , 137, 287-98	6	19
72	Alterations of the Plasma Peptidome Profiling in Colorectal Cancer Progression. <i>Journal of Cellular Physiology</i> , <b>2016</b> , 231, 915-25	7	12
71	Biomimetic collagenous scaffold to tune inflammation by targeting macrophages. <i>Journal of Tissue Engineering</i> , <b>2016</b> , 7, 2041731415624667	7.5	46
70	Composite microsphere-functionalized scaffold for the controlled release of small molecules in tissue engineering. <i>Journal of Tissue Engineering</i> , <b>2016</b> , 7, 2041731415624668	7.5	15
69	The Emerging Role of Nanotechnology in Cell and Organ Transplantation. <i>Transplantation</i> , <b>2016</b> , 100, 1629-38	1.8	29
68	Tissue Engineering: Biomimetic Concealing of PLGA Microspheres in a 3D Scaffold to Prevent Macrophage Uptake (Small 11/2016). <i>Small</i> , <b>2016</b> , 12, 1394-1394	11	
67	In Situ Reductive Synthesis of Structural Supported Gold Nanorods in Porous Silicon Particles for Multifunctional Nanovectors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 11881-91	9.5	19
66	PLGA-Mesoporous Silicon Microspheres for the in Vivo Controlled Temporospacial Delivery of Proteins. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 16364-73	9.5	40
65	Enabling cytoplasmic delivery and organelle targeting by surface modification of nanocarriers. <i>Nanomedicine</i> , <b>2015</b> , 10, 1923-40	5.6	52



64	Clinical predictive circulating peptides in rectal cancer patients treated with neoadjuvant chemoradiotherapy. <i>Journal of Cellular Physiology</i> , <b>2015</b> , 230, 1822-8	7	13
63	Platelet rich plasma enhances tissue incorporation of biologic mesh. <i>Journal of Surgical Research</i> , <b>2015</b> , 199, 412-9	2.5	23
62	Infusion of iodine-based contrast agents into poly(p-dioxanone) as a radiopaque resorbable IVC filter. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2015</b> , 26, 124	4.5	15
61	Evaluation of the osteoinductive potential of a bio-inspired scaffold mimicking the osteogenic niche for bone augmentation. <i>Biomaterials</i> , <b>2015</b> , 62, 128-37	15.6	112
60	Biodegradable silicon nanoneedles delivering nucleic acids intracellularly induce localized <i>in vivo</i> neovascularization. <i>Nature Materials</i> , <b>2015</b> , 14, 532-9	27	308
59	Biodegradable nanoneedles for localized delivery of nanoparticles in vivo: exploring the biointerface. <i>ACS Nano</i> , <b>2015</b> , 9, 5500-5509	16.7	133
58	Physicochemical properties affect the synthesis, controlled delivery, degradation and pharmacokinetics of inorganic nanoporous materials. <i>Nanomedicine</i> , <b>2015</b> , 10, 3057-3075	5.6	20
57	Red blood cells affect the margination of microparticles in synthetic microcapillaries and intravital microcirculation as a function of their size and shape. <i>Journal of Controlled Release</i> , <b>2015</b> , 217, 263-72	11.7	53
56	Porous Silicon Nanoneedles By Metal Assisted Chemical Etch for Intracellular Sensing and Delivery. <i>ECS Transactions</i> , <b>2015</b> , 69, 63-68	1	3
55	Multistage vector delivery of sulindac and silymarin for prevention of colon cancer. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 136, 694-703	6	31
54	Continuous wound infusion of local anesthetic and steroid after major abdominal surgery: study protocol for a randomized controlled trial. <i>Trials</i> , <b>2015</b> , 16, 357	2.8	7
53	Enhanced osteogenic potential of mesenchymal stem cells from cortical bone: a comparative analysis. <i>Stem Cell Research and Therapy</i> , <b>2015</b> , 6, 203	8.3	33
52	Osteoprogenitor cells from bone marrow and cortical bone: understanding how the environment affects their fate. <i>Stem Cells and Development</i> , <b>2015</b> , 24, 1112-23	4.4	26
51	Multistage Nanovectors Enhance the Delivery of Free and Encapsulated Drugs. <i>Current Drug Targets</i> , <b>2015</b> , 16, 1582-90	3	23
50	Proteomic Profiling of a Biomimetic Drug Delivery Platform. <i>Current Drug Targets</i> , <b>2015</b> , 16, 1540-7	3	33
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