

# Jeffrey A Hubbell

## List of Publications by Citations

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402  
papers

48,493  
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117  
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211  
g-index

442  
ext. papers

51,783  
ext. citations

10.5  
avg, IF

7.79  
L-index

#	Paper	IF	Citations
402	Synthetic biomaterials as instructive extracellular microenvironments for morphogenesis in tissue engineering. <i>Nature Biotechnology</i> , <b>2005</b> , 23, 47-55	44.5	3687
401	Synthetic matrix metalloproteinase-sensitive hydrogels for the conduction of tissue regeneration: engineering cell-invasion characteristics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 5413-8	11.5	1182
400	Exploiting lymphatic transport and complement activation in nanoparticle vaccines. <i>Nature Biotechnology</i> , <b>2007</b> , 25, 1159-64	44.5	963
399	Bioerodible hydrogels based on photopolymerized poly(ethylene glycol)-co-poly(.alpha.-hydroxy acid) diacrylate macromers. <i>Macromolecules</i> , <b>1993</b> , 26, 581-587	5.5	864
398	An RGD spacing of 440 nm is sufficient for integrin alpha V beta 3-mediated fibroblast spreading and 140 nm for focal contact and stress fiber formation. <i>Journal of Cell Biology</i> , <b>1991</b> , 114, 1089-100	7.3	781
397	Repair of bone defects using synthetic mimetics of collagenous extracellular matrices. <i>Nature Biotechnology</i> , <b>2003</b> , 21, 513-8	44.5	730
396	Incorporation of adhesion peptides into nonadhesive hydrogels useful for tissue resurfacing. <i>Journal of Biomedical Materials Research Part B</i> , <b>1998</b> , 39, 266-76		727
395	Oxidation-responsive polymeric vesicles. <i>Nature Materials</i> , <b>2004</b> , 3, 183-9	27	724
394	Biomaterials in tissue engineering. <i>Nature Biotechnology</i> , <b>1995</b> , 13, 565-76	44.5	633
393	Synthesis and physicochemical characterization of end-linked poly(ethylene glycol)-co-peptide hydrogels formed by Michael-type addition. <i>Biomacromolecules</i> , <b>2003</b> , 4, 713-22	6.9	587
392	Poly(l-lysine)-g-Poly(ethylene glycol) Layers on Metal Oxide Surfaces: Attachment Mechanism and Effects of Polymer Architecture on Resistance to Protein Adsorption. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 3298-3309	3.4	573
391	Polymeric Biomaterials with Degradation Sites for Proteases Involved in Cell Migration. <i>Macromolecules</i> , <b>1999</b> , 32, 241-244	5.5	521
390	In vivo targeting of dendritic cells in lymph nodes with poly(propylene sulfide) nanoparticles. <i>Journal of Controlled Release</i> , <b>2006</b> , 112, 26-34	11.7	509
389	Characterization of permeability and network structure of interfacially photopolymerized poly(ethylene glycol) diacrylate hydrogels. <i>Biomaterials</i> , <b>1998</b> , 19, 1287-94	15.6	502
388	Development of fibrin derivatives for controlled release of heparin-binding growth factors. <i>Journal of Controlled Release</i> , <b>2000</b> , 65, 389-402	11.7	495
387	Molecularly engineered PEG hydrogels: a novel model system for proteolytically mediated cell migration. <i>Biophysical Journal</i> , <b>2005</b> , 89, 1374-88	2.9	470
386	Cell-demanded release of VEGF from synthetic, biointeractive cell ingrowth matrices for vascularized tissue growth. <i>FASEB Journal</i> , <b>2003</b> , 17, 2260-2	0.9	466

385	Poly(l-lysine)-g-poly(ethylene glycol) Layers on Metal Oxide Surfaces: Surface-Analytical Characterization and Resistance to Serum and Fibrinogen Adsorption. <i>Langmuir</i> , <b>2001</b> , 17, 489-498	4	456
384	Materials engineering for immunomodulation. <i>Nature</i> , <b>2009</b> , 462, 449-60	50.4	455
383	Cell-Responsive Synthetic Hydrogels. <i>Advanced Materials</i> , <b>2003</b> , 15, 888-892	24	442
382	Bioactive biomaterials. <i>Current Opinion in Biotechnology</i> , <b>1999</b> , 10, 123-9	11.4	440
381	Surface Treatments of Polymers for Biocompatibility. <i>Annual Review of Materials Research</i> , <b>1996</b> , 26, 365-394		425
380	Chemistry. Nanomaterials for drug delivery. <i>Science</i> , <b>2012</b> , 337, 303-5	33.3	406
379	Thin Polymer Layers Formed by Polyelectrolyte Multilayer Techniques on Biological Surfaces. <i>Langmuir</i> , <b>1999</b> , 15, 5355-5362	4	403
378	Enhanced proteolytic degradation of molecularly engineered PEG hydrogels in response to MMP-1 and MMP-2. <i>Biomaterials</i> , <b>2010</b> , 31, 7836-45	15.6	388
377	PEG-SS-PPS: reduction-sensitive disulfide block copolymer vesicles for intracellular drug delivery. <i>Biomacromolecules</i> , <b>2007</b> , 8, 1966-72	6.9	379
376	Controlled release of nerve growth factor from a heparin-containing fibrin-based cell ingrowth matrix. <i>Journal of Controlled Release</i> , <b>2000</b> , 69, 149-58	11.7	375
375	Covalent surface immobilization of Arg-Gly-Asp- and Tyr-Ile-Gly-Ser-Arg-containing peptides to obtain well-defined cell-adhesive substrates. <i>Analytical Biochemistry</i> , <b>1990</b> , 187, 292-301	3.1	365
374	Conjugate addition reactions combined with free-radical cross-linking for the design of materials for tissue engineering. <i>Biomacromolecules</i> , <b>2001</b> , 2, 430-41	6.9	363
373	Targeting dendritic cells with biomaterials: developing the next generation of vaccines. <i>Trends in Immunology</i> , <b>2006</b> , 27, 573-9	14.4	349
372	Fibrin gel as a three dimensional matrix in cardiovascular tissue engineering. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2000</b> , 17, 587-91	3	337
371	Photopolymerized hyaluronic acid-based hydrogels and interpenetrating networks. <i>Biomaterials</i> , <b>2003</b> , 24, 893-900	15.6	336
370	Growth factors engineered for super-affinity to the extracellular matrix enhance tissue healing. <i>Science</i> , <b>2014</b> , 343, 885-8	33.3	335
369	Heparin-binding domain of fibrin(ogen) binds growth factors and promotes tissue repair when incorporated within a synthetic matrix. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 4563-8	11.5	335
368	Materials as morphogenetic guides in tissue engineering. <i>Current Opinion in Biotechnology</i> , <b>2003</b> , 14, 551-8	11.4	335

367	Engineering the growth factor microenvironment with fibronectin domains to promote wound and bone tissue healing. <i>Science Translational Medicine</i> , <b>2011</b> , 3, 100ra89	17.5	329
366	Cell-demanded liberation of VEGF121 from fibrin implants induces local and controlled blood vessel growth. <i>Circulation Research</i> , <b>2004</b> , 94, 1124-32	15.7	327
365	Covalently conjugated VEGF--fibrin matrices for endothelialization. <i>Journal of Controlled Release</i> , <b>2001</b> , 72, 101-13	11.7	317
364	Protein delivery from materials formed by self-selective conjugate addition reactions. <i>Journal of Controlled Release</i> , <b>2001</b> , 76, 11-25	11.7	312
363	Systematic modulation of Michael-type reactivity of thiols through the use of charged amino acids. <i>Bioconjugate Chemistry</i> , <b>2001</b> , 12, 1051-6	6.3	302
362	Biopolymeric delivery matrices for angiogenic growth factors. <i>Cardiovascular Pathology</i> , <b>2003</b> , 12, 295-310	10.8	295
361	Enzymatic incorporation of bioactive peptides into fibrin matrices enhances neurite extension. <i>Nature Biotechnology</i> , <b>2000</b> , 18, 415-9	44.5	295
360	Engineering the regenerative microenvironment with biomaterials. <i>Advanced Healthcare Materials</i> , <b>2013</b> , 2, 57-71	10.1	284
359	RGD-grafted poly-L-lysine-graft-(polyethylene glycol) copolymers block non-specific protein adsorption while promoting cell adhesion. <i>Biotechnology and Bioengineering</i> , <b>2003</b> , 82, 784-90	4.9	281
358	Biologically engineered protein-graft-poly(ethylene glycol) hydrogels: a cell adhesive and plasmin-degradable biosynthetic material for tissue repair. <i>Biomacromolecules</i> , <b>2002</b> , 3, 710-23	6.9	277
357	Controlling integrin specificity and stem cell differentiation in 2D and 3D environments through regulation of fibronectin domain stability. <i>Biomaterials</i> , <b>2009</b> , 30, 1089-97	15.6	274
356	Network formation and degradation behavior of hydrogels formed by Michael-type addition reactions. <i>Biomacromolecules</i> , <b>2005</b> , 6, 290-301	6.9	267
355	Three-dimensional extracellular matrix-directed cardioprogenitor differentiation: systematic modulation of a synthetic cell-responsive PEG-hydrogel. <i>Biomaterials</i> , <b>2008</b> , 29, 2757-66	15.6	264
354	Cross-linking exogenous bifunctional peptides into fibrin gels with factor XIIIa. <i>Bioconjugate Chemistry</i> , <b>1999</b> , 10, 75-81	6.3	262
353	Human endothelial cell interactions with surface-coupled adhesion peptides on a nonadhesive glass substrate and two polymeric biomaterials. <i>Journal of Biomedical Materials Research Part B</i> , <b>1991</b> , 25, 223-42		258
352	MMP-2 sensitive, VEGF-bearing bioactive hydrogels for promotion of vascular healing. <i>Journal of Biomedical Materials Research Part B</i> , <b>2004</b> , 68, 704-16		250
351	In situ cell manipulation through enzymatic hydrogel photopatterning. <i>Nature Materials</i> , <b>2013</b> , 12, 1072-87		244
350	In vitro and in vivo performance of porcine islets encapsulated in interfacially photopolymerized poly(ethylene glycol) diacrylate membranes. <i>Cell Transplantation</i> , <b>1999</b> , 8, 293-306	4	237

349	Solution technique to incorporate polyethylene oxide and other water-soluble polymers into surfaces of polymeric biomaterials. <i>Biomaterials</i> , <b>1991</b> , 12, 144-53	15.6	235
348	Biomolecular hydrogels formed and degraded via site-specific enzymatic reactions. <i>Biomacromolecules</i> , <b>2007</b> , 8, 3000-7	6.9	234
347	The 12th-14th type III repeats of fibronectin function as a highly promiscuous growth factor-binding domain. <i>FASEB Journal</i> , <b>2010</b> , 24, 4711-21	0.9	230
346	The effect of matrix characteristics on fibroblast proliferation in 3D gels. <i>Biomaterials</i> , <b>2010</b> , 31, 8454-64	15.6	230
345	Biofunctional polymer nanoparticles for intra-articular targeting and retention in cartilage. <i>Nature Materials</i> , <b>2008</b> , 7, 248-54	27	229
344	Biomimetic materials in tissue engineering. <i>Materials Today</i> , <b>2010</b> , 13, 14-22	21.8	219
343	Glucose-oxidase based self-destructing polymeric vesicles. <i>Langmuir</i> , <b>2004</b> , 20, 3487-91	4	215
342	Endothelial cell-selective materials for tissue engineering in the vascular graft via a new receptor. <i>Nature Biotechnology</i> , <b>1991</b> , 9, 568-72	44.5	213
341	Targeting the tumor-draining lymph node with adjuvanted nanoparticles reshapes the anti-tumor immune response. <i>Biomaterials</i> , <b>2014</b> , 35, 814-24	15.6	209
340	Biological responses to polyethylene oxide modified polyethylene terephthalate surfaces. <i>Journal of Biomedical Materials Research Part B</i> , <b>1991</b> , 25, 829-43		206
339	Chemisorbed poly(propylene sulphide)-based copolymers resist biomolecular interactions. <i>Nature Materials</i> , <b>2003</b> , 2, 259-64	27	205
338	Engineering growth factors for regenerative medicine applications. <i>Acta Biomaterialia</i> , <b>2016</b> , 30, 1-12	10.8	199
337	A sensitivity study of the key parameters in the interfacial photopolymerization of poly(ethylene glycol) diacrylate upon porcine islets. <i>Biotechnology and Bioengineering</i> , <b>1998</b> , 57, 655-65	4.9	198
336	Nanoparticle conjugation of CpG enhances adjuvancy for cellular immunity and memory recall at low dose. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 19902-7	11.5	195
335	Photopolymerized hydrogel materials for drug delivery applications. <i>Reactive &amp; Functional Polymers</i> , <b>1995</b> , 25, 139-147		194
334	Inhibition of thrombosis and intimal thickening by in situ photopolymerization of thin hydrogel barriers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1994</b> , 91, 5967-71	11.5	193
333	Enzymatic formation of modular cell-instructive fibrin analogs for tissue engineering. <i>Biomaterials</i> , <b>2007</b> , 28, 3856-66	15.6	184
332	Synthetic extracellular matrices for in situ tissue engineering. <i>Biotechnology and Bioengineering</i> , <b>2004</b> , 86, 27-36	4.9	184

331	The selective modulation of endothelial cell mobility on RGD peptide containing surfaces by YIGSR peptides. <i>Biomaterials</i> , <b>2005</b> , 26, 167-74	15.6	177
330	Bovine primary chondrocyte culture in synthetic matrix metalloproteinase-sensitive poly(ethylene glycol)-based hydrogels as a scaffold for cartilage repair. <i>Tissue Engineering</i> , <b>2004</b> , 10, 515-22		176
329	Hollow Mesoporous Plasmonic Nanoshells for Enhanced Solar Vapor Generation. <i>Nano Letters</i> , <b>2016</b> , 16, 2159-67	11.5	174
328	Engineering approaches to immunotherapy. <i>Science Translational Medicine</i> , <b>2012</b> , 4, 148rv9	17.5	173
327	Antigen delivery to dendritic cells by poly(propylene sulfide) nanoparticles with disulfide conjugated peptides: Cross-presentation and T cell activation. <i>Vaccine</i> , <b>2010</b> , 28, 7897-906	4.1	173
326	Peptide functionalized poly(L-lysine)-g-poly(ethylene glycol) on titanium: resistance to protein adsorption in full heparinized human blood plasma. <i>Biomaterials</i> , <b>2003</b> , 24, 4949-58	15.6	173
325	Carbon monoxide-releasing micelles for immunotherapy. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 18273-80	16.4	171
324	Incorporation of heparin-binding peptides into fibrin gels enhances neurite extension: an example of designer matrices in tissue engineering. <i>FASEB Journal</i> , <b>1999</b> , 13, 2214-24	0.9	169
323	Polymer networks with grafted cell adhesion peptides for highly biospecific cell adhesive substrates. <i>Analytical Biochemistry</i> , <b>1994</b> , 222, 380-8	3.1	169
322	Surface-immobilized polyethylene oxide for bacterial repellence. <i>Biomaterials</i> , <b>1992</b> , 13, 417-20	15.6	169
321	Recombinant protein-co-PEG networks as cell-adhesive and proteolytically degradable hydrogel matrixes. Part I: Development and physicochemical characteristics. <i>Biomacromolecules</i> , <b>2005</b> , 6, 1226-38	6.9	168
320	Materials science. Enhancing drug function. <i>Science</i> , <b>2003</b> , 300, 595-6	33.3	167
319	Doxorubicin encapsulation and diffusional release from stable, polymeric, hydrogel nanoparticles. <i>European Journal of Pharmaceutical Sciences</i> , <b>2006</b> , 29, 120-9	5.1	165
318	Extracellular matrix-inspired growth factor delivery systems for bone regeneration. <i>Advanced Drug Delivery Reviews</i> , <b>2015</b> , 94, 41-52	18.5	163
317	Poly(ethylene glycol) hydrogels formed by conjugate addition with controllable swelling, degradation, and release of pharmaceutically active proteins. <i>Journal of Controlled Release</i> , <b>2005</b> , 102, 619-27	11.7	162
316	Optimization of photopolymerized bioerodible hydrogel properties for adhesion prevention. <i>Journal of Biomedical Materials Research Part B</i> , <b>1994</b> , 28, 831-8		161
315	Rapid photopolymerization of immunoprotective gels in contact with cells and tissue. <i>Journal of the American Chemical Society</i> , <b>1992</b> , 114, 8311-8312	16.4	158
314	Development of growth factor fusion proteins for cell-triggered drug delivery. <i>FASEB Journal</i> , <b>2001</b> , 15, 1300-2	0.9	157

313	Photo-crosslinked copolymers of 2-hydroxyethyl methacrylate, poly(ethylene glycol) tetra-acrylate and ethylene dimethacrylate for improving biocompatibility of biosensors. <i>Biomaterials</i> , <b>1995</b> , 16, 389-96	15.6	155
312	Dendritic cell activation and T cell priming with adjuvant- and antigen-loaded oxidation-sensitive polymersomes. <i>Biomaterials</i> , <b>2012</b> , 33, 6211-9	15.6	152
311	Recombinant protein-co-PEG networks as cell-adhesive and proteolytically degradable hydrogel matrixes. Part II: biofunctional characteristics. <i>Biomacromolecules</i> , <b>2006</b> , 7, 3019-29	6.9	152
310	Synthesis of Polymer Network Scaffolds from L-Lactide and Poly(ethylene glycol) and Their Interaction with Cells. <i>Macromolecules</i> , <b>1997</b> , 30, 6077-6083	5.5	151
309	The effect of the linker on the hydrolysis rate of drug-linked ester bonds. <i>Journal of Controlled Release</i> , <b>2004</b> , 95, 291-300	11.7	150
308	Nanoparticle conjugation of antigen enhances cytotoxic T-cell responses in pulmonary vaccination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, E989-97	11.5	148
307	Enhancing efficacy of anticancer vaccines by targeted delivery to tumor-draining lymph nodes. <i>Cancer Immunology Research</i> , <b>2014</b> , 2, 436-47	12.5	147
306	Extracellular Matrix-Inspired Growth Factor Delivery Systems for Skin Wound Healing. <i>Advances in Wound Care</i> , <b>2015</b> , 4, 479-489	4.8	146
305	Covalently attached GRGD on polymer surfaces promotes biospecific adhesion of mammalian cells. <i>Annals of the New York Academy of Sciences</i> , <b>1990</b> , 589, 261-70	6.5	144
304	Bone repair with a form of BMP-2 engineered for incorporation into fibrin cell ingrowth matrices. <i>Biotechnology and Bioengineering</i> , <b>2005</b> , 89, 253-62	4.9	143
303	Endothelial cell proliferation and progenitor maturation by fibrin-bound VEGF variants with differential susceptibilities to local cellular activity. <i>Journal of Controlled Release</i> , <b>2005</b> , 101, 93-109	11.7	142
302	Poly(ethylene oxide)-graft-poly(L-lysine) copolymers to enhance the biocompatibility of poly(L-lysine)-alginate microcapsule membranes. <i>Biomaterials</i> , <b>1992</b> , 13, 863-70	15.6	142
301	Engineering antigens for in situ erythrocyte binding induces T-cell deletion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, E60-8	11.5	135
300	Three-dimensional migration of neurites is mediated by adhesion site density and affinity. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 6813-8	5.4	135
299	Oxidation-sensitive polymeric nanoparticles. <i>Langmuir</i> , <b>2005</b> , 21, 411-7	4	134
298	Selective Molecular Assembly Patterning: A New Approach to Micro- and Nanochemical Patterning of Surfaces for Biological Applications. <i>Langmuir</i> , <b>2002</b> , 18, 3281-3287	4	134
297	Device design and materials optimization of conformal coating for islets of Langerhans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 10514-9	11.5	132
296	Silk Hydrogels as Soft Substrates for Neural Tissue Engineering. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 5140-5149	15.6	132



295	Interfacial photopolymerization of poly(ethylene glycol)-based hydrogels upon alginate-poly(L-lysine) microcapsules for enhanced biocompatibility. <i>Biomaterials</i> , <b>1993</b> , 14, 1008-16	15.6	131
294	Human embryonic stem cell-derived microvascular grafts for cardiac tissue preservation after myocardial infarction. <i>Biomaterials</i> , <b>2011</b> , 32, 1102-9	15.6	126
293	Extracellular matrix and growth factor engineering for controlled angiogenesis in regenerative medicine. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2015</b> , 3, 45	5.8	122
292	The effect of enzymatically degradable poly(ethylene glycol) hydrogels on smooth muscle cell phenotype. <i>Biomaterials</i> , <b>2008</b> , 29, 314-26	15.6	122
291	Engineering integrin signaling for promoting embryonic stem cell self-renewal in a precisely defined niche. <i>Biomaterials</i> , <b>2010</b> , 31, 1219-26	15.6	121
290	Peptide-matrix-mediated gene transfer of an oxygen-insensitive hypoxia-inducible factor-1alpha variant for local induction of angiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 2506-11	11.5	121
289	New Synthetic Methodologies for Amphiphilic Multiblock Copolymers of Ethylene Glycol and Propylene Sulfide. <i>Macromolecules</i> , <b>2001</b> , 34, 8913-8917	5.5	120
288	The role of actively released fibrin-conjugated VEGF for VEGF receptor 2 gene activation and the enhancement of angiogenesis. <i>Biomaterials</i> , <b>2008</b> , 29, 1720-9	15.6	119
287	Surface physical interpenetrating networks of poly(ethylene terephthalate) and poly(ethylene oxide) with biomedical applications. <i>Macromolecules</i> , <b>1992</b> , 25, 226-232	5.5	118
286	Self-assembly and steric stabilization at heterogeneous, biological surfaces using adsorbing block copolymers. <i>Chemistry and Biology</i> , <b>1998</b> , 5, 177-83		117
285	Cell-responsive hydrogel for encapsulation of vascular cells. <i>Biomaterials</i> , <b>2009</b> , 30, 4318-24	15.6	116
284	Fibronectin modulates macrophage adhesion and FBGC formation: the role of RGD, PHSRN, and PRRARV domains. <i>Journal of Biomedical Materials Research Part B</i> , <b>2001</b> , 55, 79-88		112
283	Antigens reversibly conjugated to a polymeric glyco-adjuvant induce protective humoral and cellular immunity. <i>Nature Materials</i> , <b>2019</b> , 18, 175-185	27	112
282	Engineering complement activation on polypropylene sulfide vaccine nanoparticles. <i>Biomaterials</i> , <b>2011</b> , 32, 2194-203	15.6	111
281	Long-lasting fibrin matrices ensure stable and functional angiogenesis by highly tunable, sustained delivery of recombinant VEGF164. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 6952-7	11.5	110
280	Force Measurements between Bacteria and Poly(ethylene glycol)-Coated Surfaces. <i>Langmuir</i> , <b>2000</b> , 16, 9155-9158	4	110
279	Design principles for therapeutic angiogenic materials. <i>Nature Reviews Materials</i> , <b>2016</b> , 1,	73.3	109
278	Separation of the arterial wall from blood contact using hydrogel barriers reduces intimal thickening after balloon injury in the rat: the roles of medial and luminal factors in arterial healing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1996</b> , 93, 13188-93	11.5	109



277	Hydrogel systems for barriers and local drug delivery in the control of wound healing. <i>Journal of Controlled Release</i> , <b>1996</b> , 39, 305-313	11.7	109
276	Densely crosslinked polymer networks of poly(ethylene glycol) in trimethylolpropane triacrylate for cell-adhesion-resistant surfaces. <i>Journal of Biomedical Materials Research Part B</i> , <b>1995</b> , 29, 207-15		109
275	Peripherally administered nanoparticles target monocytic myeloid cells, secondary lymphoid organs and tumors in mice. <i>PLoS ONE</i> , <b>2013</b> , 8, e61646	3.7	108
274	Lymphatic drainage function and its immunological implications: from dendritic cell homing to vaccine design. <i>Seminars in Immunology</i> , <b>2008</b> , 20, 147-56	10.7	108
273	Size- and charge-dependent non-specific uptake of PEGylated nanoparticles by macrophages. <i>International Journal of Nanomedicine</i> , <b>2012</b> , 7, 799-813	7.3	106
272	Amphiphilic hydrogel nanoparticles. Preparation, characterization, and preliminary assessment as new colloidal drug carriers. <i>Langmuir</i> , <b>2005</b> , 21, 2605-13	4	106
271	Towards a fully-synthetic substitute of alginate: development of a new process using thermal gelation and chemical cross-linking. <i>Biomaterials</i> , <b>2004</b> , 25, 5115-24	15.6	106
270	Primary Human and Rat $\beta$ Cells Release the Intracellular Autoantigens GAD65, IA-2, and Proinsulin in Exosomes Together With Cytokine-Induced Enhancers of Immunity. <i>Diabetes</i> , <b>2017</b> , 66, 460-473	0.9	102
269	Matrix-binding checkpoint immunotherapies enhance antitumor efficacy and reduce adverse events. <i>Science Translational Medicine</i> , <b>2017</b> , 9,	17.5	99
268	Laminin heparin-binding peptides bind to several growth factors and enhance diabetic wound healing. <i>Nature Communications</i> , <b>2018</b> , 9, 2163	17.4	97
267	RGD-containing peptide GCRGYGRGDSPG reduces enhancement of osteoblast differentiation by poly(L-lysine)-graft-poly(ethylene glycol)-coated titanium surfaces. <i>Journal of Biomedical Materials Research Part B</i> , <b>2004</b> , 68, 458-72		97
266	Lactide-Based Poly(ethylene glycol) Polymer Networks for Scaffolds in Tissue Engineering. <i>Macromolecules</i> , <b>1996</b> , 29, 5233-5235	5.5	95
265	Overcoming immunological barriers in regenerative medicine. <i>Nature Biotechnology</i> , <b>2014</b> , 32, 786-94	44.5	94
264	Tunable T cell immunity towards a protein antigen using polymersomes vs. solid-core nanoparticles. <i>Biomaterials</i> , <b>2013</b> , 34, 4339-46	15.6	91
263	Local release of fibrinolytic agents for adhesion prevention. <i>Journal of Surgical Research</i> , <b>1995</b> , 59, 759-62.5		91
262	Design, characterization, and one-point in vivo calibration of a subcutaneously implanted glucose electrode. <i>Analytical Chemistry</i> , <b>1994</b> , 66, 3131-8	7.8	91
261	Improving the osteogenic potential of BMP-2 with hyaluronic acid hydrogel modified with integrin-specific fibronectin fragment. <i>Biomaterials</i> , <b>2013</b> , 34, 704-12	15.6	90
260	Nanoparticle conjugation and pulmonary delivery enhance the protective efficacy of Ag85B and CpG against tuberculosis. <i>Vaccine</i> , <b>2011</b> , 29, 6959-66	4.1	90

259	Bone healing in the rat and dog with nonglycosylated BMP-2 demonstrating low solubility in fibrin matrices. <i>Journal of Orthopaedic Research</i> , <b>2004</b> , 22, 376-81	3.8	90
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