

# Jeffrey A Hubbell

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/7312866/jeffrey-a-hubbell-publications-by-year.pdf>

**Version:** 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

402  
papers

48,493  
citations

117  
h-index

211  
g-index

442  
ext. papers

51,783  
ext. citations

10.5  
avg, IF

7.79  
L-index

#	Paper	IF	Citations
402	Masking the immunotoxicity of interleukin-12 by fusing it with a domain of its receptor via a tumour-protease-cleavable linker.. <i>Nature Biomedical Engineering</i> , <b>2022</b> ,	19	4
401	VEGF-A, PDGF-BB and HB-EGF engineered for promiscuous super affinity to the extracellular matrix improve wound healing in a model of type 1 diabetes. <i>Npj Regenerative Medicine</i> , <b>2021</b> , 6, 76	15.8	3
400	Overcoming transport barriers to immunotherapy. <i>Drug Delivery and Translational Research</i> , <b>2021</b> , 11, 2273-2275	6.2	0
399	Soluble N-Acetylgalactosamine-Modified Antigens Enhance Hepatocyte-Dependent Antigen Cross-Presentation and Result in Antigen-Specific CD8 T Cell Tolerance Development. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 555095	8.4	3
398	Lymphangiogenesis-inducing vaccines elicit potent and long-lasting T cell immunity against melanomas. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	6
397	Engineered bridge protein with dual affinity for bone morphogenetic protein-2 and collagen enhances bone regeneration for spinal fusion. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	5
396	Polymersomes Decorated with the SARS-CoV-2 Spike Protein Receptor-Binding Domain Elicit Robust Humoral and Cellular Immunity. <i>ACS Central Science</i> , <b>2021</b> , 7, 1368-1380	16.8	5
395	Prolonged residence of an albumin-IL-4 fusion protein in secondary lymphoid organs ameliorates experimental autoimmune encephalomyelitis. <i>Nature Biomedical Engineering</i> , <b>2021</b> , 5, 387-398	19	2
394	Suppression of Rheumatoid Arthritis by Enhanced Lymph Node Trafficking of Engineered Interleukin-10 in Murine Models. <i>Arthritis and Rheumatology</i> , <b>2021</b> , 73, 769-778	9.5	5
393	Persistent antigen exposure via the eryptotic pathway drives terminal T cell dysfunction. <i>Science Immunology</i> , <b>2021</b> , 6,	28	4
392	Robust Angiogenesis and Arteriogenesis in the Skin of Diabetic Mice by Transient Delivery of Engineered VEGF and PDGF-BB Proteins in Fibrin Hydrogels. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 688467	5.8	4
391	Immunoengineering approaches for cytokine therapy. <i>American Journal of Physiology - Cell Physiology</i> , <b>2021</b> , 321, C369-C383	5.4	4
390	Lymph Node-Targeted Synthetically Glycosylated Antigen Leads to Antigen-Specific Immunological Tolerance. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 714842	8.4	2
389	Generation of potent cellular and humoral immunity against SARS-CoV-2 antigens via conjugation to a polymeric glyco-adjuvant. <i>Biomaterials</i> , <b>2021</b> , 278, 121159	15.6	5
388	An optimized antigen-protein fusion. <i>Nature Biomedical Engineering</i> , <b>2020</b> , 4, 583-584	19	2
387	Surface-Immobilized Biomolecules <b>2020</b> , 539-551		1
386	Morphogenesis and tissue engineering <b>2020</b> , 133-144		1

385	Collagen-binding IL-12 enhances tumour inflammation and drives the complete remission of established immunologically cold mouse tumours. <i>Nature Biomedical Engineering</i> , <b>2020</b> , 4, 531-543	19	57
384	Engineering Targeting Materials for Therapeutic Cancer Vaccines. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 19	5.8	12
383	Growth factors with enhanced syndecan binding generate tonic signalling and promote tissue healing. <i>Nature Biomedical Engineering</i> , <b>2020</b> , 4, 463-475	19	30
382	Trojan horses for immunotherapy. <i>Nature Nanotechnology</i> , <b>2019</b> , 14, 196-197	28.7	4
381	A Bioinspired Scaffold with Anti-Inflammatory Magnesium Hydroxide and Decellularized Extracellular Matrix for Renal Tissue Regeneration. <i>ACS Central Science</i> , <b>2019</b> , 5, 458-467	16.8	41
380	Targeted antibody and cytokine cancer immunotherapies through collagen affinity. <i>Science Translational Medicine</i> , <b>2019</b> , 11,	17.5	82
379	The heparin binding domain of von Willebrand factor binds to growth factors and promotes angiogenesis in wound healing. <i>Blood</i> , <b>2019</b> , 133, 2559-2569	2.2	44
378	Engineered collagen-binding serum albumin as a drug conjugate carrier for cancer therapy. <i>Science Advances</i> , <b>2019</b> , 5, eaaw6081	14.3	35
377	Synthetically glycosylated antigens induce antigen-specific tolerance and prevent the onset of diabetes. <i>Nature Biomedical Engineering</i> , <b>2019</b> , 3, 817-829	19	25
376	Targeting inflammatory sites through collagen affinity enhances the therapeutic efficacy of anti-inflammatory antibodies. <i>Science Advances</i> , <b>2019</b> , 5, eaay1971	14.3	22
375	Synthetic 3D PEG-Anisogel Tailored with Fibronectin Fragments Induce Aligned Nerve Extension. <i>Biomacromolecules</i> , <b>2019</b> , 20, 4075-4087	6.9	24
374	Quantitative intrinsic auto-cathodoluminescence can resolve spectral signatures of tissue-isolated collagen extracellular matrix. <i>Communications Biology</i> , <b>2019</b> , 2, 69	6.7	3
373	Combination of Synthetic Long Peptides and XCL1 Fusion Proteins Results in Superior Tumor Control. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 294	8.4	13
372	Conferring extracellular matrix affinity enhances local therapeutic efficacy of anti-TNF- $\alpha$ antibody in a murine model of rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , <b>2019</b> , 21, 298	5.7	5
371	Recruitment of CD103 dendritic cells via tumor-targeted chemokine delivery enhances efficacy of checkpoint inhibitor immunotherapy. <i>Science Advances</i> , <b>2019</b> , 5, eaay1357	14.3	44
370	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
369	Adaptive enhanced sampling by force-biasing using neural networks. <i>Journal of Chemical Physics</i> , <b>2018</b> , 148, 134108	3.9	26
368	Immunoisolation of murine islet allografts in vascularized sites through conformal coating with polyethylene glycol. <i>American Journal of Transplantation</i> , <b>2018</b> , 18, 590-603	8.7	34

367	Improving Efficacy and Safety of Agonistic Anti-CD40 Antibody Through Extracellular Matrix Affinity. <i>Molecular Cancer Therapeutics</i> , <b>2018</b> , 17, 2399-2411	6.1	22
366	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
365	Nanocrystalline Oligo(ethylene sulfide)-b-poly(ethylene glycol) Micelles: Structure and Stability. <i>Macromolecules</i> , <b>2018</b> , 51, 9538-9546	5.5	5
364	Modified Magnesium Hydroxide Nanoparticles Inhibit the Inflammatory Response to Biodegradable Poly(lactide- co-glycolide) Implants. <i>ACS Nano</i> , <b>2018</b> , 12, 6917-6925	16.7	48
363	(Re)Building a Kidney. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2017</b> , 28, 1370-1378	12.7	42
362	Local induction of lymphangiogenesis with engineered fibrin-binding VEGF-C promotes wound healing by increasing immune cell trafficking and matrix remodeling. <i>Biomaterials</i> , <b>2017</b> , 131, 160-175	15.6	67
361	Advances in pancreatic islet monolayer culture on glass surfaces enable super-resolution microscopy and insights into beta cell ciliogenesis and proliferation. <i>Scientific Reports</i> , <b>2017</b> , 7, 45961	4.9	16
360	Human Kunitz-type protease inhibitor engineered for enhanced matrix retention extends longevity of fibrin biomaterials. <i>Biomaterials</i> , <b>2017</b> , 135, 1-9	15.6	8
359	Bioengineering strategies for inducing tolerance in autoimmune diabetes. <i>Advanced Drug Delivery Reviews</i> , <b>2017</b> , 114, 256-265	18.5	16
358	Toll-like receptor 8 agonist nanoparticles mimic immunomodulating effects of the live BCG vaccine and enhance neonatal innate and adaptive immune responses. <i>Journal of Allergy and Clinical Immunology</i> , <b>2017</b> , 140, 1339-1350	11.5	75
357	Vaccine nanocarriers: Coupling intracellular pathways and cellular biodistribution to control CD4 vs CD8 T cell responses. <i>Biomaterials</i> , <b>2017</b> , 132, 48-58	15.6	38
356	Oxidation-sensitive polymersomes as vaccine nanocarriers enhance humoral responses against Lassa virus envelope glycoprotein. <i>Virology</i> , <b>2017</b> , 512, 161-171	3.6	15
355	Matrix-binding checkpoint immunotherapies enhance antitumor efficacy and reduce adverse events. <i>Science Translational Medicine</i> , <b>2017</b> , 9,	17.5	99
354	Difference in suitable mechanical properties of three-dimensional, synthetic scaffolds for self-renewing mouse embryonic stem cells of different genetic backgrounds. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2017</b> , 105, 2261-2268	3.5	1
353	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
352	Design principles for therapeutic angiogenic materials. <i>Nature Reviews Materials</i> , <b>2016</b> , 1,	73.3	109
351	Aberrant Accumulation of the Diabetes Autoantigen GAD65 in Golgi Membranes in Conditions of ER Stress and Autoimmunity. <i>Diabetes</i> , <b>2016</b> , 65, 2686-99	0.9	21
350	Fibronectin EDA and CpG synergize to enhance antigen-specific Th1 and cytotoxic responses. <i>Vaccine</i> , <b>2016</b> , 34, 2453-2459	4.1	15

349	A Cationic Micelle Complex Improves CD8+ T Cell Responses in Vaccination Against Unmodified Protein Antigen. <i>ACS Biomaterials Science and Engineering</i> , <b>2016</b> , 2, 231-240	5.5	12
348	Hollow Mesoporous Plasmonic Nanoshells for Enhanced Solar Vapor Generation. <i>Nano Letters</i> , <b>2016</b> , 16, 2159-67	11.5	174
347	Engineering growth factors for regenerative medicine applications. <i>Acta Biomaterialia</i> , <b>2016</b> , 30, 1-12	10.8	199
346	Engineered acellular collagen scaffold for endogenous cell guidance, a novel approach in urethral regeneration. <i>Acta Biomaterialia</i> , <b>2016</b> , 43, 208-217	10.8	25
345	Improved biocompatibility of polyethylenimine (PEI) as a gene carrier by conjugating urocanic acid: In vitro and in vivo. <i>Macromolecular Research</i> , <b>2015</b> , 23, 387-395	1.9	17
344	Crystalline Oligo(ethylene sulfide) Domains Define Highly Stable Supramolecular Block Copolymer Assemblies. <i>ACS Nano</i> , <b>2015</b> , 9, 6872-81	16.7	31
343	Engineering antigen-specific immunological tolerance. <i>Current Opinion in Immunology</i> , <b>2015</b> , 35, 80-8	7.8	27
342	Tubular Compressed Collagen Scaffolds for Ureteral Tissue Engineering in a Flow Bioreactor System. <i>Tissue Engineering - Part A</i> , <b>2015</b> , 21, 2334-45	3.9	12
341	Murine ovarian follicle culture in PEG-hydrogel: Effects of mechanical properties and the hormones FSH and LH on development. <i>Macromolecular Research</i> , <b>2015</b> , 23, 377-386	1.9	5
340	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
339	The TLR4 agonist fibronectin extra domain A is cryptic, exposed by elastase-2; use in a fibrin matrix cancer vaccine. <i>Scientific Reports</i> , <b>2015</b> , 5, 8569	4.9	36
338	Fibrin gels engineered with pro-angiogenic growth factors promote engraftment of pancreatic islets in extrahepatic sites in mice. <i>Biotechnology and Bioengineering</i> , <b>2015</b> , 112, 1916-26	4.9	46
337	Kinetics of Ultrasonic Drug Delivery from Targeted Micelles. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2015</b> , 15, 2099-104	1.3	16
336	Nanoparticle conjugation enhances the immunomodulatory effects of intranasally delivered CpG in house dust mite-allergic mice. <i>Scientific Reports</i> , <b>2015</b> , 5, 14274	4.9	32
335	TLR-3 stimulation improves anti-tumor immunity elicited by dendritic cell exosome-based vaccines in a murine model of melanoma. <i>Scientific Reports</i> , <b>2015</b> , 5, 17622	4.9	73
334	Memory of tolerance and induction of regulatory T cells by erythrocyte-targeted antigens. <i>Scientific Reports</i> , <b>2015</b> , 5, 15907	4.9	60
333	Engineered binding to erythrocytes induces immunological tolerance to E. coli asparaginase. <i>Science Advances</i> , <b>2015</b> , 1, e1500112	14.3	62
332	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

331	6-Thioguanine-loaded polymeric micelles deplete myeloid-derived suppressor cells and enhance the efficacy of T cell immunotherapy in tumor-bearing mice. <i>Cancer Immunology, Immunotherapy</i> , <b>2015</b> , 64, 1033-46	7.4	50
330	Prescription for a pharmacy. <i>Science Translational Medicine</i> , <b>2015</b> , 7, 291fs23	17.5	2
329	Molecularly engineered self-assembling membranes for cell-mediated degradation. <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 602-12	10.1	16
328	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
327	Culture of preantral follicles in poly(ethylene) glycol-based, three-dimensional hydrogel: a relationship between swelling ratio and follicular developments. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2015</b> , 9, 319-23	4.4	12
326	Overcoming immunological barriers in regenerative medicine. <i>Nature Biotechnology</i> , <b>2014</b> , 32, 786-94	44.5	94
325	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
324	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
323	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
322	Bioluminescent and micro-computed tomography imaging of bone repair induced by fibrin-binding growth factors. <i>Acta Biomaterialia</i> , <b>2014</b> , 10, 4377-89	10.8	18
321	Clonal, self-renewing and differentiating human and porcine urothelial cells, a novel stem cell population. <i>PLoS ONE</i> , <b>2014</b> , 9, e90006	3.7	20
320	Controlled Release Strategies in Tissue Engineering <b>2014</b> , 347-392		
319	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
318	Characterization of the Network Structure of PEG Diacrylate Hydrogels Formed in the Presence of N-Vinyl Pyrrolidone. <i>Macromolecular Reaction Engineering</i> , <b>2014</b> , 8, 314-328	1.5	15
317	Matrix Effects <b>2014</b> , 407-421		2
316	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
315	Preparation of well-defined ibuprofen prodrug micelles by RAFT polymerization. <i>Biomacromolecules</i> , <b>2013</b> , 14, 3314-20	6.9	28
314	Surface-Immobilized Biomolecules <b>2013</b> , 339-349		2

313	Investigating the acoustic release of doxorubicin from targeted micelles. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 101, 153-5	6	40
312	VEGFR-3 neutralization inhibits ovarian lymphangiogenesis, follicle maturation, and murine pregnancy. <i>American Journal of Pathology</i> , <b>2013</b> , 183, 1596-1607	5.8	21
311	Translating materials design to the clinic. <i>Nature Materials</i> , <b>2013</b> , 12, 963-6	27	87
310	In situ cell manipulation through enzymatic hydrogel photopatterning. <i>Nature Materials</i> , <b>2013</b> , 12, 1072-87	244	
309	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
308	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
307	The promotion of endothelial cell attachment and spreading using FNIII10 fused to VEGF-A165. <i>Biomaterials</i> , <b>2013</b> , 34, 5958-68	15.6	36
306	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
305	A high-throughput nanoimmunoassay chip applied to large-scale vaccine adjuvant screening. <i>Integrative Biology (United Kingdom)</i> , <b>2013</b> , 5, 650-8	3.7	36
304	Silk Hydrogels as Soft Substrates for Neural Tissue Engineering. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 5140-5149	15.6	132
303	Vesicle Photonics. <i>Annual Review of Materials Research</i> , <b>2013</b> , 43, 283-305	12.8	19
302	A feeder-free, defined three-dimensional polyethylene glycol-based extracellular matrix niche for culture of human embryonic stem cells. <i>Biomaterials</i> , <b>2013</b> , 34, 3571-80	15.6	32
301	Engineering the regenerative microenvironment with biomaterials. <i>Advanced Healthcare Materials</i> , <b>2013</b> , 2, 57-71	10.1	284
300	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
299	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
298	Proteolytic processing regulates placental growth factor activities. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 17976-89	5.4	13
297	Proangiogenic hydrogels within macroporous scaffolds enhance islet engraftment in an extrahepatic site. <i>Tissue Engineering - Part A</i> , <b>2013</b> , 19, 2544-52	3.9	56
296	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

295	Tenascin C promiscuously binds growth factors via its fifth fibronectin type III-like domain. <i>PLoS ONE</i> , <b>2013</b> , 8, e62076	3.7	85
294	Fibronectin binding modulates CXCL11 activity and facilitates wound healing. <i>PLoS ONE</i> , <b>2013</b> , 8, e79610	3.7	20
293	Engineered insulin-like growth factor-1 for improved smooth muscle regeneration. <i>Biomaterials</i> , <b>2012</b> , 33, 494-503	15.6	40
292	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
291	Nanoparticle size influences the magnitude and quality of mucosal immune responses after intranasal immunization. <i>Vaccine</i> , <b>2012</b> , 30, 7541-6	4.1	55
290	Reduction-sensitive tioguanine prodrug micelles. <i>Molecular Pharmaceutics</i> , <b>2012</b> , 9, 2812-8	5.6	26
289	Engineering approaches to immunotherapy. <i>Science Translational Medicine</i> , <b>2012</b> , 4, 148rv9	17.5	173
288	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
287	In-vivo performance of high-density collagen gel tubes for urethral regeneration in a rabbit model. <i>Biomaterials</i> , <b>2012</b> , 33, 7447-55	15.6	43
286	Precision intracellular delivery based on optofluidic polymersome rupture. <i>ACS Nano</i> , <b>2012</b> , 6, 7850-7	16.7	75
285	Long-term maintenance of mouse embryonic stem cell pluripotency by manipulating integrin signaling within 3D scaffolds without active Stat3. <i>Biomaterials</i> , <b>2012</b> , 33, 8934-42	15.6	27
284	Polymer micelles with pyridyl disulfide-coupled antigen travel through lymphatics and show enhanced cellular responses following immunization. <i>Acta Biomaterialia</i> , <b>2012</b> , 8, 3210-7	10.8	30
283	Chemistry. Nanomaterials for drug delivery. <i>Science</i> , <b>2012</b> , 337, 303-5	33.3	406
282	Drug development: longer-lived proteins. <i>Chemical Society Reviews</i> , <b>2012</b> , 41, 2686-95	58.5	52
281	Embryonic stem cell-based cardiopatches improve cardiac function in infarcted rats. <i>Stem Cells Translational Medicine</i> , <b>2012</b> , 1, 248-60	6.9	31
280	Sorting live stem cells based on Sox2 mRNA expression. <i>PLoS ONE</i> , <b>2012</b> , 7, e49874	3.7	24
279	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
278	PPS nanoparticles as versatile delivery system to induce systemic and broad mucosal immunity after intranasal administration. <i>Vaccine</i> , <b>2011</b> , 29, 804-12	4.1	57



277	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
276	Analytical ultracentrifugation to support the development of biomaterials and biomedical devices. <i>Methods</i> , <b>2011</b> , 54, 92-100	4.6	7
275	Extracellular matrix in angiogenesis: dynamic structures with translational potential. <i>Experimental Dermatology</i> , <b>2011</b> , 20, 605-13	4	50
274	Nano-sized drug-loaded micelles deliver payload to lymph node immune cells and prolong allograft survival. <i>Journal of Controlled Release</i> , <b>2011</b> , 156, 154-60	11.7	74
273	PEG-b-PPS-b-PEI micelles and PEG-b-PPS/PEG-b-PPS-b-PEI mixed micelles as non-viral vectors for plasmid DNA: tumor immunotoxicity in B16F10 melanoma. <i>Biomaterials</i> , <b>2011</b> , 32, 9839-47	15.6	28
272	Engineering complement activation on polypropylene sulfide vaccine nanoparticles. <i>Biomaterials</i> , <b>2011</b> , 32, 2194-203	15.6	111
271	Enzymatic- and temperature-sensitive controlled release of ultrasmall superparamagnetic iron oxides (USPIOs). <i>Journal of Nanobiotechnology</i> , <b>2011</b> , 9, 51	9.4	4
270	Enzymatic- and temperature-sensitive controlled release of ultrasmall superparamagnetic iron oxides (USPIOs). <i>Journal of Nanobiotechnology</i> , <b>2011</b> , 9, 7	9.4	18
269	Biocompatible dispersions of carbon nanotubes: a potential tool for intracellular transport of anticancer drugs. <i>Nanoscale</i> , <b>2011</b> , 3, 925-8	7.7	43
268	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
267	Engineered aprotinin for improved stability of fibrin biomaterials. <i>Biomaterials</i> , <b>2011</b> , 32, 430-8	15.6	63
266	SPARC-derived protease substrates to enhance the plasmin sensitivity of molecularly engineered PEG hydrogels. <i>Biomaterials</i> , <b>2011</b> , 32, 1301-10	15.6	78
265	High-density collagen gel tubes as a matrix for primary human bladder smooth muscle cells. <i>Biomaterials</i> , <b>2011</b> , 32, 1543-8	15.6	43
264	A collagen-poly(lactic acid-co-ε-caprolactone) hybrid scaffold for bladder tissue regeneration. <i>Biomaterials</i> , <b>2011</b> , 32, 3969-76	15.6	81
263	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
262	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, 4711-4721	0.9	10
261	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
260	Microfluidic assays for DNA manipulation based on a block copolymer immobilization strategy. <i>Biomacromolecules</i> , <b>2010</b> , 11, 827-31	6.9	14

259	Dynamic perspective on the function of thermoresponsive nanopores from in situ AFM and ATR-IR investigations. <i>Langmuir</i> , <b>2010</b> , 26, 15356-65	4	14
258	Carbon monoxide-releasing micelles for immunotherapy. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 18273-80	16.4	171
257	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
256	Assessing the Role of Poly(ethylene glycol-bl-propylene sulfide) (PEG-PPS) Block Copolymers in the Preparation of Carbon Nanotube Biocompatible Dispersions. <i>Macromolecules</i> , <b>2010</b> , 43, 3429-3437	5.5	27
255	Synthesis of pyridyl disulfide-functionalized nanoparticles for conjugating thiol-containing small molecules, peptides, and proteins. <i>Bioconjugate Chemistry</i> , <b>2010</b> , 21, 653-62	6.3	78
254	Improving protein pharmacokinetics by engineering erythrocyte affinity. <i>Molecular Pharmaceutics</i> , <b>2010</b> , 7, 2141-7	5.6	25
253	Biomimetic PEG hydrogels crosslinked with minimal plasmin-sensitive tri-amino acid peptides. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 93, 870-7	5.4	21
252	The effect of matrix characteristics on fibroblast proliferation in 3D gels. <i>Biomaterials</i> , <b>2010</b> , 31, 8454-64	5.6	230
251	Controlled release nanoparticle-embedded coatings reduce the tissue reaction to neuroprostheses. <i>Journal of Controlled Release</i> , <b>2010</b> , 145, 196-202	11.7	71
250	In vitro uptake of amphiphilic, hydrogel nanoparticles by J774A.1 cells. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 93, 1557-65	5.4	8
249	A facile strategy for the modification of polyethylene substrates with non-fouling, bioactive poly(poly(ethylene glycol) methacrylate) brushes. <i>Macromolecular Bioscience</i> , <b>2010</b> , 10, 101-8	5.5	43
248	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
247	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
246	In vivo study of an injectable poly(acrylonitrile)-based hydrogel paste as a bulking agent for the treatment of urinary incontinence. <i>Biomaterials</i> , <b>2010</b> , 31, 4613-9	15.6	10
245	Biomimetic materials in tissue engineering. <i>Materials Today</i> , <b>2010</b> , 13, 14-22	21.8	219
244	Compressed collagen gel: a novel scaffold for human bladder cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2010</b> , 4, 123-30	4.4	48
243	Chemical tethering of motile bacteria to silicon surfaces. <i>BioTechniques</i> , <b>2009</b> , 46, 209-16	2.5	21
242	Fabrication of nanopore arrays and ultrathin silicon nitride membranes by block-copolymer-assisted lithography. <i>Nanotechnology</i> , <b>2009</b> , 20, 485303	3.4	26

241	Porphyrin-based photocatalytic nanolithography: a new fabrication tool for protein arrays. <i>Molecular and Cellular Proteomics</i> , <b>2009</b> , 8, 1823-31	7.6	7
240	Extracellular matrix binding mixed micelles for drug delivery applications. <i>Journal of Controlled Release</i> , <b>2009</b> , 137, 146-51	11.7	32
239	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
238	Cell-responsive hydrogel for encapsulation of vascular cells. <i>Biomaterials</i> , <b>2009</b> , 30, 4318-24	15.6	116
237	Materials engineering for immunomodulation. <i>Nature</i> , <b>2009</b> , 462, 449-60	50.4	455
236	Bone healing induced by local delivery of an engineered parathyroid hormone prodrug. <i>Biomaterials</i> , <b>2009</b> , 30, 1763-71	15.6	81
235	Tailoring hydrogel degradation and drug release via neighboring amino acid controlled ester hydrolysis. <i>Soft Matter</i> , <b>2009</b> , 5, 440-446	3.6	55
234	Micelles for delivery of nitric oxide. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 14413-8	16.4	75
233	A novel method for the encapsulation of biomolecules into polymersomes via direct hydration. <i>Langmuir</i> , <b>2009</b> , 25, 9025-9	4	84
232	Photocatalytic lithography of poly(propylene sulfide) block copolymers: toward high-throughput nanolithography for biomolecular arraying applications. <i>Langmuir</i> , <b>2009</b> , 25, 1238-44	4	12
231	Aggregation behavior of poly(ethylene glycol-bi-propylene sulfide) di- and triblock copolymers in aqueous solution. <i>Langmuir</i> , <b>2009</b> , 25, 11328-35	4	56
230	Integration column: biofunctional polymeric nanoparticles for spatio-temporal control of drug delivery and biomedical applications. <i>Integrative Biology (United Kingdom)</i> , <b>2009</b> , 1, 446-51	3.7	11
229	Surface Nanopatterning by Polymer Self-Assembly: from Applied Research to Industrial Applications. <i>Journal of Photopolymer Science and Technology = [Fotopolyma Konwakai Shi]</i> , <b>2009</b> , 22, 223-228	0.7	2
228	Zellen <b>2009</b> , 129-153		
227	Biofunctional polymer nanoparticles for intra-articular targeting and retention in cartilage. <i>Nature Materials</i> , <b>2008</b> , 7, 248-54	27	229
226	Dielectrophoresis-based particle exchanger for the manipulation and surface functionalization of particles. <i>Lab on A Chip</i> , <b>2008</b> , 8, 267-73	7.2	53
225	RAFT Homo- and Copolymerization of N-Acryloyl-morpholine, Piperidine, and Azocane and Their Self-Assembled Structures. <i>Macromolecules</i> , <b>2008</b> , 41, 1140-1150	5.5	49
224	PEG-b-PPS diblock copolymer aggregates for hydrophobic drug solubilization and release: cyclosporin A as an example. <i>Molecular Pharmaceutics</i> , <b>2008</b> , 5, 632-42	5.6	74

223	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
222	Artificial extracellular matrices for bone tissue engineering. <i>Bone</i> , <b>2008</b> , 42, S72	4.7	11
221	Porphyrin-based photocatalytic lithography. <i>Langmuir</i> , <b>2008</b> , 24, 5179-84	4	17
220	Synthetic Biomaterials as Cell-Responsive Artificial Extracellular Matrices <b>2008</b> , 255-278		
219	Controlled release strategies in tissue engineering <b>2008</b> , 455-482		2
218	Bioluminescence imaging of calvarial bone repair using bone marrow and adipose tissue-derived mesenchymal stem cells. <i>Biomaterials</i> , <b>2008</b> , 29, 427-37	15.6	73
217	MICROPATTERNING OF GOLD SUBSTRATES BASED ON POLY(PROPYLENE SULFIDE-BL-ETHYLENE GLYCOL), (PPS-PEG) BACKGROUND PASSIVATION AND THE MOLECULAR-ASSEMBLY PATTERNING BY LIFT-OFF (MAPL) TECHNIQUE. <i>Surface Science</i> , <b>2008</b> , 602, 2305-2310	1.8	13
216	Part I: A novel in-vitro system for simultaneous mechanical stimulation and time-lapse microscopy in 3D. <i>Biomechanics and Modeling in Mechanobiology</i> , <b>2008</b> , 7, 203-14	3.8	10
215	Part II: Fibroblasts preferentially migrate in the direction of principal strain. <i>Biomechanics and Modeling in Mechanobiology</i> , <b>2008</b> , 7, 215-25	3.8	35
214	Breakdown kinetics of aggregates from poly(ethylene glycol-bl-propylene sulfide) di- and triblock copolymers induced by a non-ionic surfactant. <i>Journal of Polymer Science Part A</i> , <b>2008</b> , 46, 2477-2487	2.5	9
213	Superparamagnetic nanoparticles as a powerful systems biology characterization tool in the physiological context. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 7857-60	16.4	34
212	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
211	Functionalization of polysulfide nanoparticles and their performance as circulating carriers. <i>Biomaterials</i> , <b>2008</b> , 29, 1958-66	15.6	40
210	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
209	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
208	Synthesis and in vitro characterization of an ABC triblock copolymer for siRNA delivery. <i>Bioconjugate Chemistry</i> , <b>2007</b> , 18, 736-45	6.3	62
207	Biomolecular hydrogels formed and degraded via site-specific enzymatic reactions. <i>Biomacromolecules</i> , <b>2007</b> , 8, 3000-7	6.9	234
206	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

205	Mechanisms of 3-D migration and matrix remodeling of fibroblasts within artificial ECMs. <i>Acta Biomaterialia</i> , <b>2007</b> , 3, 615-29	10.8	88
204	Analysis of progenitor cell-scaffold combinations by in vivo non-invasive photonic imaging. <i>Biomaterials</i> , <b>2007</b> , 28, 2718-28	15.6	25
203	Exploiting lymphatic transport and complement activation in nanoparticle vaccines. <i>Nature Biotechnology</i> , <b>2007</b> , 25, 1159-64	44.5	963
202	Enhanced intimal thickening of expanded polytetrafluoroethylene grafts coated with fibrin or fibrin-releasing vascular endothelial growth factor in the pig carotid artery interposition model. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2007</b> , 133, 1163-70	1.5	54
201	Enzymatic formation of modular cell-instructive fibrin analogs for tissue engineering. <i>Biomaterials</i> , <b>2007</b> , 28, 3856-66	15.6	184
200	Matrix Effects <b>2007</b> , 297-308		2
199	Controlled release drug coatings on flexible neural probes. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , <b>2007</b> , 2007, 6613-6		2
198	The Effect of Biodegradable Drug Release Coatings on the Electrical Characteristics of Neural Electrodes <b>2007</b> ,		2
197	RNA interference targeting hypoxia inducible factor 1alpha reduces post-operative adhesions in rats. <i>Journal of Surgical Research</i> , <b>2007</b> , 141, 162-70	2.5	34
196	Matrix-bound growth factors in tissue repair. <i>Swiss Medical Weekly</i> , <b>2007</b> , 137 Suppl 155, 72S-76S	3.1	1
195	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
194	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
193	Activation of cell-survival transcription factor NFkappaB in L1Ig6-stimulated endothelial cells. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2006</b> , 77, 542-50	5.4	11
192	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
191	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
190	Thermally-induced glass formation from hydrogel nanoparticles. <i>Soft Matter</i> , <b>2006</b> , 2, 1067-1075	3.6	22
189	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
188	Photopolymerized hyaluronic acid-based hydrogels and interpenetrating networks <b>2006</b> , 203-210		3

187	Pattern stability under cell culture conditions--a comparative study of patterning methods based on PLL-g-PEG background passivation. <i>Biomaterials</i> , <b>2006</b> , 27, 2534-41	15.6	85
186	Biomimetic materials for injectable tissue engineering: studies of acute, lasting and unexpected angiogenesis response. <i>FASEB Journal</i> , <b>2006</b> , 20, A20	0.9	
185	Amphiphilic hydrogel nanoparticles. Preparation, characterization, and preliminary assessment as new colloidal drug carriers. <i>Langmuir</i> , <b>2005</b> , 21, 2605-13	4	106
184	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
183	Oxidation-sensitive polymeric nanoparticles. <i>Langmuir</i> , <b>2005</b> , 21, 411-7	4	134
182	Influence of Poly(propylene sulfide-block-ethylene glycol) Di- and Triblock Copolymer Architecture on the Formation of Molecular Adlayers on Gold Surfaces and Their Effect on Protein Resistance: A Candidate for Surface Modification in Biosensor Research. <i>Macromolecules</i> , <b>2005</b> , 38, 10503-10510	5.5	69
181	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
180	Glucose sensitivity through oxidation responsiveness. An example of cascade-responsive nano-sensors. <i>Journal of Materials Chemistry</i> , <b>2005</b> , 15, 4006		44
179	Interfacial reactivity of block copolymers: understanding the amphiphile-to-hydrophile transition. <i>Langmuir</i> , <b>2005</b> , 21, 9149-53	4	24
178	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
177	Selective molecular assembly patterning at the nanoscale: a novel platform for producing protein patterns by electron-beam lithography on SiO <sub>2</sub> /indium tin oxide-coated glass substrates. <i>Nanotechnology</i> , <b>2005</b> , 16, 1781-1786	3.4	39
176	Thermodynamic and Kinetic Effects in the Aggregation Behavior of a Poly(ethylene glycol-b-propylene sulfide-b-ethylene glycol) ABA Triblock Copolymer. <i>Macromolecules</i> , <b>2005</b> , 38, 7845-7851	5.5	40
175	PPS-PEG surface coating to reduce thrombogenicity of small diameter ePTFE vascular grafts. <i>International Journal of Artificial Organs</i> , <b>2005</b> , 28, 993-1002	1.9	29
174	Poly (4-vinylimidazole) as nonviral gene carrier: in vitro and in vivo transfection. <i>Acta Biomaterialia</i> , <b>2005</b> , 1, 165-72	10.8	26
173	Discovery of a sulfated tetrapeptide that binds to vascular endothelial growth factor. <i>Acta Biomaterialia</i> , <b>2005</b> , 1, 451-9	10.8	68
172	Mechanical properties, proteolytic degradability and biological modifications affect angiogenic process extension into native and modified fibrin matrices in vitro. <i>Biomaterials</i> , <b>2005</b> , 26, 1369-79	15.6	79
171	Sustained release of human growth hormone from in situ forming hydrogels using self-assembly of fluoroalkyl-ended poly(ethylene glycol). <i>Biomaterials</i> , <b>2005</b> , 26, 5259-66	15.6	71
170	Enhanced endothelial cell retention on shear-stressed synthetic vascular grafts precoated with RGD-cross-linked fibrin. <i>Tissue Engineering</i> , <b>2005</b> , 11, 887-95		68

169	Synthetic biomaterials as instructive extracellular microenvironments for morphogenesis in tissue engineering. <i>Nature Biotechnology</i> , <b>2005</b> , 23, 47-55	44.5	3687
168	Enhancement of bone healing using non-glycosylated rhBMP-2 released from a fibrin matrix in dogs and cats. <i>Journal of Small Animal Practice</i> , <b>2005</b> , 46, 17-21	1.6	17
167	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
166	Non-viral gene delivery for local and controlled DNA release. <i>Journal of Controlled Release</i> , <b>2005</b> , 102, 263-75	11.7	87
165	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
164	Neurite extension and in vitro myelination within three-dimensional modified fibrin matrices. <i>Journal of Neurobiology</i> , <b>2005</b> , 63, 1-14		87
163	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
162	3D morphology of cell cultures: a quantitative approach using micrometer synchrotron light tomography. <i>Microscopy Research and Technique</i> , <b>2005</b> , 66, 289-98	2.8	29
161	Modified Fibrin Hydrogels stimulate Angiogenesis in vivo: potential Application to increase Perfusion of Ischemic Tissues. <i>Materialwissenschaft Und Werkstofftechnik</i> , <b>2005</b> , 36, 768-774	0.9	5
160	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
159	Biointerface Science. <i>MRS Bulletin</i> , <b>2005</b> , 30, 175-179	3.2	29
158	Effects of protein and gene transfer of the angiopoietin-1 fibrinogen-like receptor-binding domain on endothelial and vessel organization. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 22445-53	5.4	35
157	Tomography studies of biological cells on polymer scaffolds. <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, S3499-S3510	1.8	7
156	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
155	Treatment of nonunions with nonglycosylated recombinant human bone morphogenetic protein-2 delivered from a fibrin matrix. <i>Veterinary Surgery</i> , <b>2004</b> , 33, 112-8	1.7	37
154	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
153	Oxidation-responsive polymeric vesicles. <i>Nature Materials</i> , <b>2004</b> , 3, 183-9	27	724
152	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

151	Heterophilic interactions between cell adhesion molecule L1 and alphavbeta3-integrin induce HUVEC process extension in vitro and angiogenesis in vivo. <i>Angiogenesis</i> , <b>2004</b> , 7, 213-23	10.6	36
150	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
149	Synthetic extracellular matrices for in situ tissue engineering. <i>Biotechnology and Bioengineering</i> , <b>2004</b> , 86, 27-36	4.9	184
148	Towards a fully synthetic substitute of alginate: optimization of a thermal gelation/chemical cross-linking scheme ("tandem" gelation) for the production of beads and liquid-core capsules. <i>Biotechnology and Bioengineering</i> , <b>2004</b> , 88, 740-9	4.9	45
147	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
146	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
145	Engineered fibrin matrices for functional display of cell membrane-bound growth factor-like activities: study of angiogenic signaling by ephrin-B2. <i>Biomaterials</i> , <b>2004</b> , 25, 3245-57	15.6	50
144	A novel generic platform for chemical patterning of surfaces. <i>Progress in Surface Science</i> , <b>2004</b> , 76, 55-696.6		49
143	Glucose-oxidase based self-destructing polymeric vesicles. <i>Langmuir</i> , <b>2004</b> , 20, 3487-91	4	215
142	Diffusion NMR spectroscopy for the characterization of the size and interactions of colloidal matter: the case of vesicles and nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 2142-7	16.4	74
141	Matrix-bound sixth Ig-like domain of cell adhesion molecule L1 acts as an angiogenic factor by ligating alphavbeta3-integrin and activating VEGF-R2. <i>Microvascular Research</i> , <b>2004</b> , 68, 169-78	3.7	58
140	A hydrogel system for stimulus-responsive, oxygen-sensitive in situ gelation. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2004</b> , 15, 895-904	3.5	35
139	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
138	Functional micro-imaging of soft and hard tissue using synchrotron light <b>2004</b> ,		3
137	Physical Properties and Biodegradation of Lactide-based Poly(ethylene glycol) Polymer Networks for Tissue Engineering. <i>Polymer Bulletin</i> , <b>2003</b> , 50, 107-114	2.4	11
136	Tomography studies of human foreskin fibroblasts on polymer yarns. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2003</b> , 200, 397-405	1.2	20
135	Water-borne, in situ crosslinked biomaterials from phase-segregated precursors. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2003</b> , 64, 447-56	5.4	80
134	Cell-Responsive Synthetic Hydrogels. <i>Advanced Materials</i> , <b>2003</b> , 15, 888-892	24	442



133	Facile Hydrophilic Surface Modification of Poly(tetrafluoroethylene) Using Fluoroalkyl-Terminated Poly(ethylene glycol)s. <i>Advanced Materials</i> , <b>2003</b> , 15, 66-69	24	22
132	Electrochemical optical waveguide lightmode spectroscopy (EC-OWLS): a pilot study using evanescent-field optical sensing under voltage control to monitor polycationic polymer adsorption onto indium tin oxide (ITO)-coated waveguide chips. <i>Biotechnology and Bioengineering</i> , <b>2003</b> , 82, 465-73	4.9	63
131	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
130	Materials as morphogenetic guides in tissue engineering. <i>Current Opinion in Biotechnology</i> , <b>2003</b> , 14, 551-8	11.4	335
129	Photopolymerized hyaluronic acid-based hydrogels and interpenetrating networks. <i>Biomaterials</i> , <b>2003</b> , 24, 893-900	15.6	336
128	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
127	Repair of bone defects using synthetic mimetics of collagenous extracellular matrices. <i>Nature Biotechnology</i> , <b>2003</b> , 21, 513-8	44.5	730
126	Chemisorbed poly(propylene sulphide)-based copolymers resist biomolecular interactions. <i>Nature Materials</i> , <b>2003</b> , 2, 259-64	27	205
125	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
124	Michael-type addition as a tool for surface functionalization. <i>Bioconjugate Chemistry</i> , <b>2003</b> , 14, 967-73	6.3	53
123	Precise Determination of the Hydrophobic/Hydrophilic Junction in Polymeric Vesicles. <i>Langmuir</i> , <b>2003</b> , 19, 4852-4855	4	25
122	N-terminal alpha-dystroglycan binds to different extracellular matrix molecules expressed in regenerating peripheral nerves in a protein-mediated manner and promotes neurite extension of PC12 cells. <i>Molecular and Cellular Neurosciences</i> , <b>2003</b> , 24, 1062-73	4.8	21
121	Evaluation of pH-dependent membrane-disruptive properties of poly(acrylic acid) derived polymers. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2003</b> , 56, 237-46	5.7	76
120	Biopolymeric delivery matrices for angiogenic growth factors. <i>Cardiovascular Pathology</i> , <b>2003</b> , 12, 295-310	3.8	295
119	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
118	Materials science. Enhancing drug function. <i>Science</i> , <b>2003</b> , 300, 595-6	33.3	167
117	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
116	Photopolymerized hyaluronic acid-based hydrogels and interpenetrating networks <b>2002</b> , 203-210		5

115	Materials for cell encapsulation via a new tandem approach combining reverse thermal gelation and covalent crosslinking. <i>Macromolecular Chemistry and Physics</i> , <b>2002</b> , 203, 1466-1472	2.6	73
114	Sterically blocking adhesion of cells to biological surfaces with a surface-active copolymer containing poly(ethylene glycol) and phenylboronic acid. <i>Journal of Biomedical Materials Research Part B</i> , <b>2002</b> , 59, 618-31		45
113	Lyotropic Behavior in Water of Amphiphilic ABA Triblock Copolymers Based on Poly(propylene sulfide) and Poly(ethylene glycol). <i>Langmuir</i> , <b>2002</b> , 18, 8324-8329	4	65
112	Anomalous Sorption in Thin Films of Fluoroalkyl-Ended Poly(ethylene glycol)s. <i>Langmuir</i> , <b>2002</b> , 18, 8241-8245	4	14
111	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
110	A New Living Emulsion Polymerization Mechanism: Episulfide Anionic Polymerization. <i>Macromolecules</i> , <b>2002</b> , 35, 8688-8693	5.5	68
109	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
108	Ordering Transitions of Fluoroalkyl-Ended Poly(ethylene glycol): Rheology and SANS. <i>Macromolecules</i> , <b>2002</b> , 35, 4448-4457	5.5	53
107	Poly(ethylene glycol) block copolymers. <i>Reviews in Molecular Biotechnology</i> , <b>2002</b> , 90, 3-15		54
106	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
105	Covalently conjugated VEGF--fibrin matrices for endothelialization. <i>Journal of Controlled Release</i> , <b>2001</b> , 72, 101-13	11.7	317
104	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
103	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
102	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
101	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
100	Development of growth factor fusion proteins for cell-triggered drug delivery. <i>FASEB Journal</i> , <b>2001</b> , 15, 1300-2	0.9	157
99	Molecular properties of fibrin-based matrices for promotion of angiogenesis in vitro. <i>Microvascular Research</i> , <b>2001</b> , 62, 315-26	3.7	76
98	Hydrogels with Controlled, Surface Erosion Characteristics from Self-Assembly of Fluoroalkyl-Ended Poly(ethylene glycol). <i>Macromolecules</i> , <b>2001</b> , 34, 6409-6419	5.5	54

97	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
96	Enzymatic incorporation of bioactive peptides into fibrin matrices enhances neurite extension. <i>Nature Biotechnology</i> , <b>2000</b> , 18, 415-9	44.5	295
95	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
94	Intraarterial protein delivery via intimately-adherent bilayer hydrogels. <i>Journal of Controlled Release</i> , <b>2000</b> , 64, 205-15	11.7	82
93	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
92	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
91	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
90	Blocking adhesion to cell and tissue surfaces by the chemisorption of a poly-L-lysine-graft-(poly(ethylene glycol); phenylboronic acid) copolymer. <i>Biomacromolecules</i> , <b>2000</b> , 1, 523-33	6.9	89
89	Force Measurements between Bacteria and Poly(ethylene glycol)-Coated Surfaces. <i>Langmuir</i> , <b>2000</b> , 16, 9155-9158	4	110
88	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
87	MATRIX EFFECTS <b>2000</b> , 237-250		7
86	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
85	Rapid induction of functional and morphological continuity between severed ends of mammalian or earthworm myelinated axons. <i>Journal of Neuroscience</i> , <b>1999</b> , 19, 2442-54	6.6	53
84	Bioactive biomaterials. <i>Current Opinion in Biotechnology</i> , <b>1999</b> , 10, 123-9	11.4	440
83	Protein-mediated macrophage adhesion and activation on biomaterials: a model for modulating cell behavior. <i>Journal of Materials Science: Materials in Medicine</i> , <b>1999</b> , 10, 601-5	4.5	52
82	Thin Polymer Layers Formed by Polyelectrolyte Multilayer Techniques on Biological Surfaces. <i>Langmuir</i> , <b>1999</b> , 15, 5355-5362	4	403
81	Cross-linking exogenous bifunctional peptides into fibrin gels with factor XIIIa. <i>Bioconjugate Chemistry</i> , <b>1999</b> , 10, 75-81	6.3	262
80	Polymeric Biomaterials with Degradation Sites for Proteases Involved in Cell Migration. <i>Macromolecules</i> , <b>1999</b> , 32, 241-244	5.5	521

79	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
78	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
77	Murine macrophage behavior on peptide-grafted polyethyleneglycol-containing networks. <i>Biotechnology and Bioengineering</i> , <b>1998</b> , 59, 2-9	4.9	57
76	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
75	Effects of fibrin micromorphology on neurite growth from dorsal root ganglia cultured in three-dimensional fibrin gels. <i>Journal of Biomedical Materials Research Part B</i> , <b>1998</b> , 40, 551-9		68
74	Reduction of fibrous adhesion formation by a copolymer possessing an affinity for anionic surfaces. <i>Journal of Biomedical Materials Research Part B</i> , <b>1998</b> , 42, 55-65		53
73	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
72	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
71	Synthetic biodegradable polymers for tissue engineering and drug delivery. <i>Current Opinion in Solid State and Materials Science</i> , <b>1998</b> , 3, 246-251	12	84
70	Surface characteristics and biocompatibility of lactide-based poly(ethylene glycol) scaffolds for tissue engineering. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>1998</b> , 9, 667-80	3.5	62
69	Chemical modification and photograft polymerization upon expanded poly(tetrafluoroethylene). <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>1998</b> , 9, 407-26	3.5	19
68	Polymers for tissue engineering. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>1998</b> , 9, 405-406	3.5	3
67	Murine macrophage behavior on peptide-grafted polyethyleneglycol-containing networks <b>1998</b> , 59, 2		2
66	Engineering the Cellular-Synthetic Substrate Interface. <i>Journal of Vascular and Interventional Radiology</i> , <b>1997</b> , 8, 715-716	2.4	1
65	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
64	Polymeric endoluminal gel paving: hydrogel systems for local barrier creation and site-specific drug delivery. <i>Advanced Drug Delivery Reviews</i> , <b>1997</b> , 24, 11-30	18.5	28
63	Surface modification of poly(tetrafluoroethylene) with benzophenone and sodium hydride by ultraviolet irradiation. <i>Journal of Polymer Science Part A</i> , <b>1997</b> , 35, 1499-1514	2.5	39
62	Photograft polymerization of acrylate monomers and macromonomers on photochemically reduced PTFE films. <i>Journal of Polymer Science Part A</i> , <b>1997</b> , 35, 3467-3482	2.5	24

61	Surface modification of poly(tetrafluoroethylene) with benzophenone and sodium hydride by ultraviolet irradiation <b>1997</b> , 35, 1499		1
60	Bioactive Polymers <b>1997</b> , 83-95		8
59	Surface Treatments of Polymers for Biocompatibility. <i>Annual Review of Materials Research</i> , <b>1996</b> , 26, 365-394		425
58	Lactide-Based Poly(ethylene glycol) Polymer Networks for Scaffolds in Tissue Engineering. <i>Macromolecules</i> , <b>1996</b> , 29, 5233-5235	5.5	95
57	Adhesion prevention with anicrod released via a tissue-adherent hydrogel. <i>Journal of Surgical Research</i> , <b>1996</b> , 61, 58-64	2.5	59
56	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
55	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
54	Effects of fibrinolysis on neurite growth from dorsal root ganglia cultured in two- and three-dimensional fibrin gels. <i>Journal of Comparative Neurology</i> , <b>1996</b> , 365, 380-91	3.4	83
53	Platelet adhesion to polyurethane blended with polytetramethylene oxide. <i>Biotechnology and Bioengineering</i> , <b>1996</b> , 52, 81-8	4.9	6
52	In Situ Material Transformations in Tissue Engineering. <i>MRS Bulletin</i> , <b>1996</b> , 21, 33-35	3.2	19
51	Alkylation of cellulosic membranes results in reduced complement activation. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>1996</b> , 7, 707-14	3.5	6
50	Control of Healing with Photopolymerizable Biodegradable Hydrogels <b>1996</b> , 179-182		1
49	Classes of Materials Used in Medicine <b>1996</b> , 67-1		1
48	Effects of fibrinolysis on neurite growth from dorsal root ganglia cultured in two- and three-dimensional fibrin gels <b>1996</b> , 365, 380		1
47	Biomaterials in tissue engineering. <i>Nature Biotechnology</i> , <b>1995</b> , 13, 565-76	44.5	633
46	Photopolymerized hydrogel materials for drug delivery applications. <i>Reactive &amp; Functional Polymers</i> , <b>1995</b> , 25, 139-147		194
45	Analysis of phase mixing in aged polymer networks of poly(ethylene glycol) and poly(trimethylolpropane triacrylate). <i>Polymer</i> , <b>1995</b> , 36, 883-885	3.9	4
44	Comparison of covalently and physically cross-linked polyethylene glycol-based hydrogels for the prevention of postoperative adhesions in a rat model. <i>Biomaterials</i> , <b>1995</b> , 16, 1153-6	15.6	59

43	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
42	Local release of fibrinolytic agents for adhesion prevention. <i>Journal of Surgical Research</i> , <b>1995</b> , 59, 759-63	5	91
41	Alkylated cellulosic membranes with enhanced albumin affinity: influence of competing proteins. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>1995</b> , 7, 563-75	3.5	14
40	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
39	Polyimide-polyethylene glycol block copolymers: synthesis, characterization, and initial evaluation as a biomaterial. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>1994</b> , 6, 313-23	3.5	12
38	Phase-mixed poly(ethylene glycol)/poly(trimethylolpropane triacrylate) semi-interpenetrating polymer networks obtained by rapid network formation. <i>Journal of Polymer Science Part A</i> , <b>1994</b> , 32, 2715-2725	2.5	14
37	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
36	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
35	Preface. Tissue engineering and cell therapies. <i>Biotechnology and Bioengineering</i> , <b>1994</b> , 43, 541	4.9	3
34	Multifunctional poly(ethylene glycol) semi-interpenetrating polymer networks as highly selective adhesive substrates for bioadhesive peptide grafting. <i>Biotechnology and Bioengineering</i> , <b>1994</b> , 43, 772-80	4.9	86
33	Modification of islet of langerhans surfaces with immunoprotective poly(ethylene glycol) coatings via interfacial photopolymerization. <i>Biotechnology and Bioengineering</i> , <b>1994</b> , 44, 383-6	4.9	70
32	Molecular weight dependence of calcification of polyethylene glycol hydrogels. <i>Biomaterials</i> , <b>1994</b> , 15, 921-5	15.6	36
31	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
30	Efficacy of a resorbable hydrogel barrier, oxidized regenerated cellulose, and hyaluronic acid in the prevention of ovarian adhesions in a rabbit model. <i>Fertility and Sterility</i> , <b>1994</b> , 62, 630-4	4.8	35
29	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
28	Chapter 6 Materials selection. <i>Cardiovascular Pathology</i> , <b>1993</b> , 2, 53-71	3.8	41
27	Chapter 11 Pharmacologic modification of materials. <i>Cardiovascular Pathology</i> , <b>1993</b> , 2, 121-127	3.8	11
26	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

25	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
24	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
23	Surface-grafted cell-binding peptides in tissue engineering of the vascular graft. <i>Annals of the New York Academy of Sciences</i> , <b>1992</b> , 665, 253-8	6.5	48
22	Tissue engineering in the vascular graft. <i>Cytotechnology</i> , <b>1992</b> , 10, 189-204	2.2	20
21	Tissue response to intraperitoneal implants of polyethylene oxide-modified polyethylene terephthalate. <i>Biomaterials</i> , <b>1992</b> , 13, 505-10	15.6	28
20	Surface-immobilized polyethylene oxide for bacterial repellence. <i>Biomaterials</i> , <b>1992</b> , 13, 417-20	15.6	169
19	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
18	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
17	Avoidance of photoactivation in the epifluorescence video microscopic observation of thrombosis. <i>Journal of Biomedical Materials Research Part B</i> , <b>1992</b> , 26, 1535-42		3
16	ADP Receptor Antagonists and Converting Enzyme Systems Reduce Platelet Deposition onto Collagen. <i>Thrombosis and Haemostasis</i> , <b>1992</b> , 67, 461-467	7	9
15	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
14	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
13	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
12	Local modulation of intracellular calcium levels near a single-cell wound in human endothelial monolayers. <i>Arteriosclerosis and Thrombosis: A Journal of Vascular Biology</i> , <b>1991</b> , 11, 1258-65		22
11	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
10	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
9	The Use of Laser-Light Scattering and Controlled Shear in Platelet Aggregometry. <i>Thrombosis and Haemostasis</i> , <b>1991</b> , 65, 601-607	7	6
8	Rapidly degraded terpolymers of dl-lactide, glycolide, and epsilon-caprolactone with increased hydrophilicity by copolymerization with polyethers. <i>Journal of Biomedical Materials Research Part B</i> , <b>1990</b> , 24, 1397-411		90

7	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
6	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
5	The short-term blood biocompatibility of poly(hydroxyethyl methacrylate-co-methyl methacrylate) in an in vitro flow system measured by digital videomicroscopy. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>1989</b> , 1, 123-46	3.5	18
4	Visualization and analysis of mural thrombogenesis on collagen, polyurethane and nylon. <i>Biomaterials</i> , <b>1986</b> , 7, 354-63	15.6	86
3	Technique for visualization and analysis of mural thrombogenesis. <i>Review of Scientific Instruments</i> , <b>1986</b> , 57, 892-897	1.7	47
2	Platelet active concentration profiles near growing thrombi. A mathematical consideration. <i>Biophysical Journal</i> , <b>1986</b> , 50, 937-45	2.9	62
1	Polymers in Tissue Engineering 2719-2742		