James M Anderson

List of Publications by Year
in descending order

188 papers	21,613 citations	20797 60 h-index	10441 139 g-index
193 all docs	193 docs citations	193 times ranked	19703 citing authors

#	Article	IF	Citations
1	Foreign body reaction to biomaterials. Seminars in Immunology, 2008, 20, 86-100.	2.7	3,942
2	Biodegradation and biocompatibility of PLA and PLGA microspheres. Advanced Drug Delivery Reviews, 1997, 28, 5-24.	6.6	1,974
3	Biological Responses to Materials. Annual Review of Materials Research, 2001, 31, 81-110.	4.3	1,262
4	Biodegradation and biocompatibility of PLA and PLGA microspheres. Advanced Drug Delivery Reviews, 2012, 64, 72-82.	6.6	645
5	Inflammatory Response to Implants. ASAIO Journal, 1988, 34, 101-107.	0.9	516
6	Host response to tissue engineered devices. Advanced Drug Delivery Reviews, 1998, 33, 111-139.	6.6	510
7	Biocompatibility and biofouling of MEMS drug delivery devices. Biomaterials, 2003, 24, 1959-1967.	5.7	496
8	Protein adsorption from human plasma is reduced on phospholipid polymers. Journal of Biomedical Materials Research Part B, 1991, 25, 1397-1407.	3.0	433
9	Biomaterial biocompatibility and the macrophage. Biomaterials, 1984, 5, 5-10.	5.7	368
10	First-in-Human Testing of a Wirelessly Controlled Drug Delivery Microchip. Science Translational Medicine, 2012, 4, 122ra21.	5.8	360
11	In vitro and in vivo interactions of cells with biomaterials. Biomaterials, 1988, 9, 5-13.	5.7	331
12	Polyurethane Elastomer Biostability. Journal of Biomaterials Applications, 1995, 9, 321-354.	1.2	330
13	Characterization of topographical effects on macrophage behavior in a foreign body response model. Biomaterials, 2010, 31, 3479-3491.	5.7	324
14	Chapter 4 Mechanisms of inflammation and infection with implanted devices. Cardiovascular Pathology, 1993, 2, 33-41.	0.7	311
15	Multinucleated giant cells. Current Opinion in Hematology, 2000, 7, 40-47.	1.2	310
16	Proteomic analysis and quantification of cytokines and chemokines from biomaterial surface-adherent macrophages and foreign body giant cells. Journal of Biomedical Materials Research - Part A, 2007, 83A, 585-596.	2.1	286
17	Adsorbed serum proteins responsible for surface dependent human macrophage behavior. Journal of Biomedical Materials Research Part B, 2000, 49, 435-447.	3.0	264
18	Biomaterial adherent macrophage apoptosis is increased by hydrophilic and anionic substrates in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 10287-10292.	3.3	216

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19	Adherent Endotoxin on Orthopedic Wear Particles Stimulates Cytokine Production and Osteoclast Differentiation. Journal of Bone and Mineral Research, 2001, 16, 2082-2091.	3.1	205
20	Biocompatibility of implants: lymphocyte/macrophage interactions. Seminars in Immunopathology, 2011, 33, 221-233.	2.8	204
21	Î²1 and Î²2 Integrins Mediate Adhesion during Macrophage Fusion and Multinucleated Foreign Body Giant Cell Formation. American Journal of Pathology, 2002, 160, 621-630.	1.9	196
22	Giant cell formation and function. Current Opinion in Hematology, 2009, 16, 53-57.	1.2	195
23	Oxidative mechanisms of poly(carbonate urethane) and poly(ether urethane) biodegradation:In vivo andin vitro correlations. Journal of Biomedical Materials Research Part B, 2004, 70A, 245-255.	3.0	186
24	In vivo biocompatibility and biostability of modified polyurethanes. , 1997, 36, 246-257.		175
25	Influence of biomaterial surface chemistry on the apoptosis of adherent cells. Journal of Biomedical Materials Research Part B, 2001, 55, 661-668.	3.0	174
26	In vivo biocompatibility studies. I. The cage implant system and a biodegradable hydrogel. Journal of Biomedical Materials Research Part B, 1983, 17, 301-325.	3.0	165
27	In vivo leukocyte cytokine mRNA responses to biomaterials are dependent on surface chemistry. Journal of Biomedical Materials Research Part B, 2003, 64A, 320-329.	3.0	161
28	Poly(carbonate urethane) and poly(ether urethane) biodegradation:In vivo studies. Journal of Biomedical Materials Research Part B, 2004, 69A, 407-416.	3.0	160
29	The topographical effect of electrospun nanofibrous scaffolds on the <i>in vivo</i> and <i>in vitro</i> foreign body reaction. Journal of Biomedical Materials Research - Part A, 2010, 93A, 1151-1159.	2.1	155
30	Biocompatibility and degradation characteristics of PLGA-based electrospun nanofibrous scaffolds with nanoapatite incorporation. Biomaterials, 2012, 33, 6604-6614.	5.7	151
31	Macrophage Fusion and Multinucleated Giant Cells of Inflammation. Advances in Experimental Medicine and Biology, 2011, 713, 97-111.	0.8	147
32	Biodegradation of polyether polyurethane inner insulation in bipolar pacemaker leads. Journal of Biomedical Materials Research Part B, 2001, 58, 302-307.	3.0	146
33	Tenogenic Induction of Human MSCs by Anisotropically Aligned Collagen Biotextiles. Advanced Functional Materials, 2014, 24, 5762-5770.	7.8	142
34	Role for interleukin-4 in foreign-body giant cell formation on a poly(etherurethane urea)in vivo. Journal of Biomedical Materials Research Part B, 1995, 29, 1267-1275.	3.0	141
35	Issues and perspectives on the biocompatibility and immunotoxicity evaluation of implanted controlled release systems. Journal of Controlled Release, 1999, 57, 107-113.	4.8	132
36	Lymphocytes and the foreign body response: Lymphocyte enhancement of macrophage adhesion and fusion. Journal of Biomedical Materials Research - Part A, 2005, 74A, 222-229.	2.1	115

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37	Vitronectin is a critical protein adhesion substrate for ILâ€4â€induced foreign body giant cell formation. Journal of Biomedical Materials Research - Part A, 2008, 86A, 535-543.	2.1	114
38	In vitro cytotoxicity andin vivo biocompatibility of poly(propylene fumarate-co-ethylene glycol) hydrogels. , 1999, 46, 22-32.		113
39	Oxidative biodegradation mechanisms of biaxially strained poly(etherurethane urea) elastomers. Journal of Biomedical Materials Research Part B, 1995, 29, 337-347.	3.0	112
40	Enzymatic degradation of poly(ether urethane) and poly(carbonate urethane) by cholesterol esterase. Biomaterials, 2006, 27, 3920-3926.	5.7	112
41	In vivo biocompatibility studies of medisorbÂ® 65/35 D,L-lactide/glycolide copolymer microspheres. Journal of Controlled Release, 1993, 24, 81-93.	4.8	107
42	Role of oxygen in biodegradation of poly(etherurethane urea) elastomers. , 1997, 34, 519-530.		103
43	Iron oxide nanoparticles promote macrophage autophagy and inflammatory response through activation of toll-like Receptor-4 signaling. Biomaterials, 2019, 203, 23-30.	5.7	102
44	In vivo biocompatibility study of ABA triblock copolymers consisting of poly(L-lactic-co-glycolic acid) A blocks attached to central poly(oxyethylene) B blocks. , 1996, 30, 31-40.		99
45	Effects of surface-coupled polyethylene oxide on human macrophage adhesion and foreign body giant cell formationin vitro. , 1999, 44, 206-216.		99
46	Phenotypic dichotomies in the foreign body reaction. Biomaterials, 2007, 28, 5114-5120.	5.7	95
47	Matrix metalloproteinases and their inhibitors in the foreign body reaction on biomaterials. Journal of Biomedical Materials Research - Part A, 2008, 84A, 158-166.	2.1	94
48	Protein adsorption and macrophage activation on polydimethylsiloxane and silicone rubber. Journal of Biomaterials Science, Polymer Edition, 1996, 7, 159-169.	1.9	90
49	In vitro andin vivo degradation of poly(propylene fumarate-co-ethylene glycol) hydrogels. , 1998, 42, 312-320.		86
50	Recent advances in biomedical polyurethane biostability and biodegradation. Polymer International, 1998, 46, 163-171.	1.6	85
51	Lymphocyte/macrophage interactions: Biomaterial surfaceâ€dependent cytokine, chemokine, and matrix protein production. Journal of Biomedical Materials Research - Part A, 2008, 87A, 676-687.	2.1	85
52	Controlling fibrous capsule formation through long-term down-regulation of collagen type I (COL1A1) expression by nanofiber-mediated siRNA gene silencing. Acta Biomaterialia, 2013, 9, 4513-4524.	4.1	83
53	Future challenges in the<i>inÂvitro</i>and<i>inÂvivo</i>evaluation of biomaterial biocompatibility. International Journal of Energy Production and Management, 2016, 3, 73-77.	1.9	83
54	Human monocyte/macrophage adhesion, macrophage motility, and IL-4-induced foreign body giant cell formation on silane-modified surfacesin vitro. , 1998, 41, 171-184.		80

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55	Cytoskeletal and Adhesive Structural Polarizations Accompany IL-13-induced Human Macrophage Fusion. Journal of Histochemistry and Cytochemistry, 1999, 47, 65-74.	1.3	78
56	Generation of IL1-like activity in response to biomedical polymer implants: A comparison ofin vitro andin vivo models. Journal of Biomedical Materials Research Part B, 1989, 23, 1007-1026.	3.0	77
57	Morphologic characteristics of adsorbed human plasma proteins on vascular grafts and biomaterials. Journal of Vascular Surgery, 1990, 11, 599-606.	0.6	76
58	Theoretical analysis ofin vivo macrophage adhesion and foreign body gaint cell formation on polydimethylsiloxane, low density polyethylene, and polyetherurethanes. Journal of Biomedical Materials Research Part B, 1994, 28, 73-79.	3.0	74
59	Bacterial surface properties of clinically isolatedStaphylococcus epidermidis strains determine adhesion on polyethylene. , 1998, 42, 425-432.		73
60	Effects of photochemically immobilized polymer coatings on protein adsorption, cell adhesion, and the foreign body reaction to silicone rubber. , 1999, 44, 298-307.		72
61	Multinucleated giant cell formation exhibits features of phagocytosis with participation of the endoplasmic reticulum. Experimental and Molecular Pathology, 2005, 79, 126-135.	0.9	70
62	Surface chemistry mediates adhesive structure, cytoskeletal organization, and fusion of macrophages. Journal of Biomedical Materials Research Part B, 2004, 71A, 439-448.	3.0	69
63	Spatial regulation and surface chemistry control of monocyte/macrophage adhesion and foreign body giant cell formation by photochemically micropatterned surfaces. , 1999, 45, 148-154.		68
64	Quantitative <i>in vivo</i> cytokine analysis at synthetic biomaterial implant sites. Journal of Biomedical Materials Research - Part A, 2009, 89A, 152-159.	2.1	68
65	Plasma protein adsorbed biomedical polymers: Activation of human monocytes and induction of interleukin 1. Journal of Biomedical Materials Research Part B, 1989, 23, 535-548.	3.0	67
66	Biocompatibility studies of naltrexone sustained release formulations. Journal of Controlled Release, 1992, 19, 299-314.	4.8	67
67	Disruption of filamentous actin inhibits human macrophage fusion. FASEB Journal, 1999, 13, 823-832.	0.2	67
68	Adhesion ofStaphylococcus epidermidis to biomedical polymers: Contributions of surface thermodynamics and hemodynamic shear conditions. Journal of Biomedical Materials Research Part B, 1995, 29, 485-493.	3.0	66
69	Adsorbed IgG: A potent adhesive substrate for human macrophages. , 2000, 50, 281-290.		65
70	Foreign Body-Type Multinucleated Giant Cell Formation Is Potently Induced by Î±-Tocopherol and Prevented by the Diacylglycerol Kinase Inhibitor R59022. American Journal of Pathology, 2003, 163, 1147-1156.	1.9	63
71	Biocompatibility studies on plasm polymerized interface materials encompassing both hydrophobic and hydrophilic surfaces. Journal of Biomedical Materials Research Part B, 1992, 26, 915-935.	3.0	61
72	The future of biomedical materials. Journal of Materials Science: Materials in Medicine, 2006, 17, 1025-1028.	1.7	61

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73	Macrophage behavior on surface-modified polyurethanes. Journal of Biomaterials Science, Polymer Edition, 2004, 15, 567-584.	1.9	59
74	Monocyte/lymphocyte interactions and the foreign body response:In vitro effects of biomaterial surface chemistry. Journal of Biomedical Materials Research - Part A, 2005, 74A, 285-293.	2.1	59
75	Antioxidant inhibition of poly(carbonate urethane)in vivo biodegradation. Journal of Biomedical Materials Research - Part A, 2006, 76A, 480-490.	2.1	58
76	Blood and tissue compatibility of modified polyester: Thrombosis, inflammation, and healing. , 1998, 39, 130-140.		56
77	Phospholipid polymer surfaces reduce bacteria and leukocyte adhesion under dynamic flow conditions. Journal of Biomedical Materials Research - Part A, 2005, 73A, 359-366.	2.1	55
78	Biostability and macrophage-mediated foreign body reaction of silicone-modified polyurethanes. Journal of Biomedical Materials Research - Part A, 2005, 74A, 141-155.	2.1	55
79	Effects of adsorbed heat labile serum proteins and fibrinogen on adhesion and apoptosis of monocytes/macrophages on biomaterials. Journal of Materials Science: Materials in Medicine, 2003, 14, 671-675.	1.7	53
80	Host Reactions to Biomaterials and Their Evaluation. , 1996, , 165-214.		52
81	Lymphocyte adhesion and interactions with biomaterial adherent macrophages and foreign body giant cells. Journal of Biomedical Materials Research - Part A, 2009, 91A, 1210-1220.	2.1	52
82	Detection of bacterial adherence on biomedical polymers. , 1998, 39, 415-422.		50
83	Paracrine and juxtacrine lymphocyte enhancement of adherent macrophage and foreign body giant cell activation. Journal of Biomedical Materials Research - Part A, 2009, 89A, 490-498.	2.1	50
84	Phenotypic expression in human monocyte-derived interleukin-4-induced foreign body giant cells and macrophages<i>in vitro</i>: Dependence on material surface properties. Journal of Biomedical Materials Research - Part A, 2015, 103, 1380-1390.	2.1	50
85	Shear stress effects on bacterial adhesion, leukocyte adhesion, and leukocyte oxidative capacity on a polyetherurethane. Journal of Biomedical Materials Research Part B, 1999, 46, 511-519.	3.0	49
86	Morphologic characteristics of adsorbed human plasma proteins on vascular grafts and biomaterials. Journal of Vascular Surgery, 1990, 11, 599-606.	0.6	49
87	Alkylsilane-modified surfaces: Inhibition of human macrophage adhesion and foreign body giant cell formation. , 1999, 46, 11-21.		48
88	Macroporous condensed poly(tetrafluoroethylene). I.In vivo inflammatory response and healing characteristics. Journal of Biomedical Materials Research - Part A, 2006, 76A, 234-242.	2.1	48
89	Î± subunit partners to Î²1 and Î²2 integrins during IL-4-induced foreign body giant cell formation. Journal of Biomedical Materials Research - Part A, 2007, 82A, 568-574.	2.1	48
90	Interleukin-4 inhibits tumor necrosis factor-Î±â€”induced and spontaneous apoptosis of biomaterial-adherent macrophages. Translational Research, 2002, 139, 90-100.	2.4	47

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91	Theoretical analysis ofin vivo macrophage adhesion and foreign body giant cell formation on strained poly(etherurethane urea) elastomers. Journal of Biomedical Materials Research Part B, 1994, 28, 819-829.	3.0	46
92	Vitamin E as an antioxidant for poly(etherurethane urea):In vivo studies. , 1996, 32, 493-504.		46
93	Exploiting the inflammatory response on biomaterials research and development. Journal of Materials Science: Materials in Medicine, 2015, 26, 121.	1.7	46
94	Adhesion ofStaphylococcus epidermidis and transposon mutant strains to hydrophobic polyethylene. , 1998, 39, 341-350.		45
95	Vascular graft-associated complement activation and leukocyte adhesion in an artificial circulation. Journal of Biomedical Materials Research Part B, 1987, 21, 379-397.	3.0	43
96	Adhesion behavior of monocytes, macrophages, and foreign body giant cells on poly (N-isopropylacrylamide) temperature-responsive surfaces. Journal of Biomedical Materials Research Part B, 2002, 59, 136-143.	3.0	43
97	Ion-Selective Microchemical Sensors with Reduced Preconditioning Time. Membrane Biostability Studies and Applications in Blood Analysis. Analytical Letters, 1994, 27, 3039-3063.	1.0	41
98	Electroanalytical and biocompatibility studies on microfabricated array sensors. Electroanalysis, 1995, 7, 864-870.	1.5	41
99	In vitro and in vivo evaluation of the inflammatory response to nanoscale grooved substrates. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 308-317.	1.7	41
100	In vivo leucocyte interactions with the NHLBI-DTB primary reference materials: Polyethylene and silica-free polydimethylsiloxane. Biomaterials, 1987, 8, 12-17.	5.7	40
101	Healing response to the clamshell device for closure of intracardiac defects in humans. Catheterization and Cardiovascular Interventions, 2001, 54, 101-111.	0.7	40
102	Bioactive iron oxide nanoparticles suppress osteoclastogenesis and ovariectomy-induced bone loss through regulating the TRAF6-p62-CYLD signaling complex. Acta Biomaterialia, 2020, 103, 281-292.	4.1	38
103	Comparison of two antioxidants for poly(etherurethane urea) in an acceleratedin vitro biodegradation system. Journal of Biomedical Materials Research Part B, 1997, 34, 493-505.	3.0	37
104	Woven collagen biotextiles enable mechanically functional rotator cuff tendon regeneration during repair of segmental tendon defects <i>in vivo</i>. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 1864-1876.	1.6	36
105	Photochemically immobilized polymer coatings: effects on protein adsorption, cell adhesion, and leukocyte activation. Journal of Biomaterials Science, Polymer Edition, 1999, 10, 1063-1074.	1.9	35
106	Laboratory-scale mass production of a multi-micropatterned grafted surface with different polymer regions. Journal of Biomedical Materials Research Part B, 2000, 53, 584-591.	3.0	35
107	Protein adsorption onto poly(ether urethane ureas) containing methacrol 2138F: A surface-active amphiphilic additive. Journal of Biomedical Materials Research Part B, 1993, 27, 255-267.	3.0	34
108	Foreign body-type multinucleated giant cells induced by interleukin-4 express select lymphocyte co-stimulatory molecules and are phenotypically distinct from osteoclasts and dendritic cells. Experimental and Molecular Pathology, 2011, 91, 673-681.	0.9	33

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109	<i>In vivo</i> quantitative and qualitative assessment of foreign body giant cell formation on biomaterials in mice deficient in natural killer lymphocyte subsets, mast cells, or the interleukinâ€4 receptorÎ± and in severe combined immunodeficient mice. Journal of Biomedical Materials Research - Part A, 2014, 102, 2017-2023.	2.1	33
110	Adsorbed Fibrinogen Enhances Production of Bone- and Angiogenic-Related Factors by Monocytes/Macrophages. Tissue Engineering - Part A, 2014, 20, 250-263.	1.6	33
111	In vivo leucocyte interactions on PellethaneÂ® surfaces. Biomaterials, 1990, 11, 370-378.	5.7	31
112	In Vivo Inflammatory and Wound Healing Effects of Gold Electrode Voltammetry for MEMS Micro-Reservoir Drug Delivery Device. IEEE Transactions on Biomedical Engineering, 2004, 51, 627-635.	2.5	31
113	Effect of surgical wound classification on biologic graft performance in complex hernia repair: An experimental study. Surgery, 2013, 153, 481-492.	1.0	31
114	Protein adsorption to poly(ether urethane ureas) modified with acrylate and methacrylate polymer and copolymer additives. Journal of Biomedical Materials Research Part B, 1993, 27, 367-377.	3.0	30
115	The effect of strain state on the biostability of a poly(etherurethane urea) elastomer. , 1997, 35, 319-329.		30
116	Shear stress and material surface effects on adherent human monocyte apoptosis. Journal of Biomedical Materials Research Part B, 2002, 60, 148-158.	3.0	30
117	Lack of identifiable biologic behavior in a series of porcine mesh explants. Surgery, 2014, 156, 183-189.	1.0	29
118	The biocompatibility of solution cast and acetone-extracted cast biomer. Journal of Biomedical Materials Research Part B, 1986, 20, 799-815.	3.0	28
119	Platelet-mediated adhesion ofStaphylococcus epidermidis to hydrophobic NHLBI reference polyethylene. Journal of Biomedical Materials Research Part B, 1993, 27, 1119-1128.	3.0	28
120	Biocompatibility of a new semisolid bioerodible poly(ortho ester) intended for the ocular delivery of 5-flurouracil. Journal of Biomedical Materials Research Part B, 1994, 28, 1037-1046.	3.0	27
121	Directions for improvement of substitute heart valves: National Heart, Lung, and Blood Institute's working group report on heart valves. , 1997, 38, 263-266.		26
122	Cyclic-strain-induced endothelial cell expression of adhesion molecules and their roles in monocyte-endothelial interaction. , 1999, 44, 87-97.		26
123	Tailoring the Foreign Body Response for <i>In Situ</i> Vascular Tissue Engineering. Tissue Engineering - Part C: Methods, 2015, 21, 436-446.	1.1	26
124	Blood-biomaterial interactions in a flow system in the presence of bacteria: Effect of protein adsorption. Journal of Biomedical Materials Research Part B, 1995, 29, 247-256.	3.0	25
125	Complement-mediated leukocyte adhesion on poly(etherurethane ureas) under shear stressin vitro. , 1996, 32, 99-109.		25
126	Biocompatibility of ABA triblock copolymer microparticles consisting of poly(l-lactic-co-glycolic-acid) A-blocks attached to central poly(oxyethylene) B-blocks in rats after intramuscular injection. European Journal of Pharmaceutics and Biopharmaceutics, 1997, 43, 19-28.	2.0	25

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127	Surface chemistry control of monocyte and macrophage adhesion, morphology, and fusion. , 2000, 49, 141-145.		25
128	Lactosylated N-Alkyl polyethylenimine coated iron oxide nanoparticles induced autophagy in mouse dendritic cells. International Journal of Energy Production and Management, 2018, 5, 141-149.	1.9	25
129	Biotolerance of a semisolid hydrophobic biodegradable poly(ortho ester) for controlled drug delivery. Journal of Biomedical Materials Research Part B, 1993, 27, 677-681.	3.0	24
130	Effect of strain and strain rate on fatigue-accelerated biodegradation of polyurethane. Journal of Biomedical Materials Research Part B, 2003, 66A, 463-475.	3.0	24
131	The effect of hydrocortisone acetate loaded poly(DL-lactide) films on the inflammatory response. Journal of Controlled Release, 1985, 2, 197-203.	4.8	23
132	Instability of selfâ€assembled monolayers as a model material system for macrophage/FBGC cellular behavior. Journal of Biomedical Materials Research - Part A, 2008, 86A, 261-268.	2.1	22
133	Local release of dexamethasone from polymer millirods effectively prevents fibrosis after radiofrequency ablation. Journal of Biomedical Materials Research - Part A, 2006, 76A, 174-182.	2.1	21
134	Iron oxide nanoparticles promote vascular endothelial cells survival from oxidative stress by enhancement of autophagy. International Journal of Energy Production and Management, 2019, 6, 221-229.	1.9	21
135	Biomaterials: Factors Favoring Colonization and Infection. , 2014, , 89-109.		20
136	Activation of caspase 3 during shear stress-induced neutrophil apoptosis on biomaterials. Journal of Biomedical Materials Research Part B, 2002, 62, 163-168.	3.0	18
137	Foreign body-type multinucleated giant cell formation requires protein kinase C Î², Î´, and Î¶. Experimental and Molecular Pathology, 2008, 84, 37-45.	0.9	18
138	Inflammation, Wound Healing, and the Foreign-Body Response. , 2013, , 503-512.		18
139	Methodology of fibroblast and mesenchymal stem cell coating of surgical meshes: A pilot analysis. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2014, 102, 797-805.	1.6	18
140	Implications of the Acute and Chronic Inflammatory Response and the Foreign Body Reaction to the Immune Response of Implanted Biomaterials. , 2017, , 15-36.		18
141	Effect of fibrous capsule formation on doxorubicin distribution in radiofrequency ablated rat livers. Journal of Biomedical Materials Research Part B, 2004, 69A, 398-406.	3.0	17
142	Biomaterial surface-dependent neutrophil mobility. Journal of Biomedical Materials Research Part B, 2004, 69A, 611-620.	3.0	17
143	The Effect of Heparin vs. Citrate on the Interaction of Platelets with Vascular Graft Materials. Thrombosis and Haemostasis, 1985, 54, 842-848.	1.8	17
144	Surface modification of poly(ether urethane urea) with modified dehydroepiandrosterone for improvedin vivo biostability. Journal of Biomedical Materials Research - Part A, 2005, 73A, 108-115.	2.1	16

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145	Ventricular assist device (VAD) pathology analyses: Guidelines for clinical studies. Journal of Applied Biomaterials: an Official Journal of the Society for Biomaterials, 1990, 1, 49-56.	1.1	15
146	Genipin guides and sustains the polarization of macrophages to the pro-regenerative M2 subtype via activation of the pSTAT6-PPAR-gamma pathway. Acta Biomaterialia, 2021, 131, 198-210.	4.1	14
147	Chapter 19 Cardiovascular device retrieval and evaluation. Cardiovascular Pathology, 1993, 2, 199-208.	0.7	12
148	Leukocyte?biomaterial interactions in the presence ofStaphylococcus epidermidis: Flow cytometric evaluation of leukocyte activation (Student Research Award in the Hospital Intern, Resident, or) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62		12
149	Cell-coating affects tissue integration of synthetic and biologic meshes: comparative analysis of the onlay and underlay mesh positioning in rats. Surgical Endoscopy and Other Interventional Techniques, 2016, 30, 4445-4453.	1.3	12
150	Collagen Type Distribution in Healing of Synthetic Arterial Prostheses. Connective Tissue Research, 1986, 15, 141-154.	1.1	11
151	Protein adsorption and endothelial cell attachment and proliferation on PAPI-based additive modified poly(ether urethane ureas). Journal of Biomedical Materials Research Part B, 1993, 27, 499-510.	3.0	11
152	Prevention of monocyte adhesion and inflammatory cytokine production during blood platelet storage: Anin vitro model with implications for transfusion practice. , 2000, 51, 147-154.		11
153	Repeatedin vivo electrochemical activation and the biological effects of microelectromechanical systems drug delivery device. Journal of Biomedical Materials Research Part B, 2004, 71A, 559-568.	3.0	11
154	Attachment and proliferation of bovine aortic endothelial cells onto additive modified poly(ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	3.0	10
155	<i>In vivo</i> kinetic degradation analysis and biocompatibility of aliphatic polyester polyurethanes. Journal of Biomedical Materials Research - Part A, 2010, 94A, 333-343.	2.1	10
156	Perspectives on In Vivo Testing of Biomaterials, Prostheses, and Artificial Organs. Journal of the American College of Toxicology, 1988, 7, 469-479.	0.2	9
157	Polymorphonuclear leukocyte inhibition of monocytes/macrophages in the foreign body reaction. Journal of Biomedical Materials Research - Part A, 2010, 94A, 683-687.	2.1	9
158	An inÂvivo analysis of Miromeshâ€"a novel porcine liver prosthetic created by perfusion decellularization. Journal of Surgical Research, 2016, 201, 29-37.	0.8	9
159	Biocompatibility and Bioresponse to Biomaterials. , 2008, , 704-723.		8
160	Biocompatibility of Tissue Engineered Implants. , 1998, , 152-165.		8
161	High molecular weight kininogen inhibition of endothelial cell function on biomaterials. Journal of Biomedical Materials Research Part B, 2000, 51, 1-9.	3.0	7
162	Mechanism of action of the AdianaÂ® device: a histologic perspective. Contraception, 2011, 84, 299-301.	0.8	7

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163	In Vitro and In Vivo Monocyte, Macrophage, Foreign Body Giant Cell, and Lymphocyte Interactions with Biomaterials. , 2009, , 225-244.		7
164	Tissue Responses to Drug Delivery Systems. , 1984, , 23-39.		7
165	Biocompatibility and Bioresponse to Biomaterials. , 2011, , 693-716.		6
166	Biocompatibility and Bioresponse to Biomaterials. , 2019, , 675-694.		6
167	Dynamic Systems Model for Lymphocyte Interactions with Macrophages at Biomaterial Surfaces. Cellular and Molecular Bioengineering, 2009, 2, 573-590.	1.0	5
168	Biomaterial-Dependent Characteristics of the Foreign Body Response and S. epidermidis Biofilm Interactions. , 2013, , 119-149.		5
169	<i>In Vivo</i> Delivery of M0, M1, and M2 Macrophage Subtypes via Genipin-Cross-Linked Collagen Biotextile. Tissue Engineering - Part A, 2022, 28, 672-684.	1.6	5
170	Host Response to Long Acting Injections and Implants. , 2012, , 25-55.		4
171	In vivo biocompatibility study of ABA triblock copolymers consisting of poly(L-lactic-co-glycolic acid) A blocks attached to central poly(oxyethylene) B blocks. , 1996, 30, 31.		4
172	Human blood protein and cell interactions with cardiovascular materials. , 1991, , 45-55.		4
173	Bacterial surface properties of clinically isolated Staphylococcus epidermidis strains determine adhesion on polyethylene. , 1998, 42, 425.		3
174	Mesenchymal Stem Cell Delivery via Topographically Tenoinductive Collagen Biotextile Enhances Regeneration of Segmental Tendon Defects. American Journal of Sports Medicine, 2022, 50, 2281-2291.	1.9	3
175	Special report: Biomedical materials research in Japan. Journal of Biomedical Materials Research Part B, 1982, 16, 721-733.	3.0	2
176	Monocyte Adhesion to Platelet Concentrate Storage Bags and Cytokine Production. Vox Sanguinis, 2000, 78, 133-133.	0.7	2
177	In vivo biocompatibility and biostability of modified polyurethanes. , 1997, 36, 246.		2
178	Adsorbed serum proteins responsible for surface dependent human macrophage behavior. Journal of Biomedical Materials Research Part B, 2000, 49, 435.	3.0	2
179	Host Reactions to Biomaterials and Their Evaluation. , 1996, , 293-X.		2
180	Hemostatic and healing studies of sodium amylose succinate (IP760). Journal of Biomedical Materials Research Part B, 1982, 16, 51-61.	3.0	1

#	Article	IF	Citations
181	Sung Wan Kim - Early events in blood/material interactions. Journal of Controlled Release, 2021, 330, 31-35.	4.8	1
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