

Tai-Horng Young

List of Publications by Year in descending order

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136
papers

2,931
citations

185998

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h-index

197535

49
g-index

138
all docs

138
docs citations

138
times ranked

4205
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlled Decomposable Hydrogel Triggered with a Specific Enzyme. ACS Omega, 2022, 7, 3254-3261.	1.6	3
2	Biological properties of human periodontal ligament cell spheroids cultivated on chitosan and polyvinyl alcohol membranes. Journal of the Formosan Medical Association, 2022, 121, 2191-2202.	0.8	4
3	Overexpression of Nâ€acetylglucosaminyltransferase V promotes human parotid gland acinar cell immortalization via the epidermal receptor activation. Journal of Cellular Physiology, 2022, 237, 1780-1789.	2.0	0
4	Novel Application of Photo-Crosslinked Urocanic-Acid-Modified Chitosan in Corneal Wounds. ACS Biomaterials Science and Engineering, 2022, 8, 2016-2027.	2.6	1
5	Time-lapse imaging using dual-color coded quantitative differential phase contrast microscopy. Journal of Biomedical Optics, 2022, 27, .	1.4	2
6	Development of Injectable Calcium Sulfate and Self-Setting Calcium Phosphate Composite Bone Graft Materials for Minimally Invasive Surgery. International Journal of Molecular Sciences, 2022, 23, 7590.	1.8	4
7	Doxorubicin Loaded PLGA Nanoparticle with Cationic/Anionic Polyelectrolyte Decoration: Characterization, and Its Therapeutic Potency. Polymers, 2021, 13, 693.	2.0	12
8	Chemical Cross-Linking of Corneal Tissue to Reduce Progression of Loss of Sight in Patients With Keratoconus. Translational Vision Science and Technology, 2021, 10, 6.	1.1	2
9	Regeneration of olfactory neuroepithelium in 3-methylindole-induced anosmic rats treated with intranasal chitosan. Biomaterials, 2021, 271, 120738.	5.7	4
10	Developing a Glyoxal-Crosslinked Chitosan/Gelatin Hydrogel for Sustained Release of Human Platelet Lysate to Promote Tissue Regeneration. International Journal of Molecular Sciences, 2021, 22, 6451.	1.8	9
11	Cell detachment ratio on pH-responsive chitosan: A useful biometric for prognostic judgment and drug efficacy assessment in oncology. Carbohydrate Polymers, 2021, 261, 117911.	5.1	2
12	Dopamine-Modified Alginate Hydrogel with Effectiveness and Safety for Preoperative Localization of Lung Nodules. ACS Biomaterials Science and Engineering, 2021, 7, 4637-4644.	2.6	5
13	Effects of Electromagnets on Bovine Corneal Endothelial Cells Treated with Dendrimer Functionalized Magnetic Nanoparticles. Polymers, 2021, 13, 3306.	2.0	1
14	The Feasibility and Efficiency of Remote Spirometry System on the Pulmonary Function for Multiple Ribs Fracture Patients. Journal of Personalized Medicine, 2021, 11, 1067.	1.1	1
15	Poly(allylguanidine)-Coated Surfaces Regulate TGF- β 2 in Glioblastoma Cells to Induce Apoptosis via NF- κ B Pathway Activation. ACS Applied Materials & Interfaces, 2021, 13, 59400-59410.	4.0	5
16	A self-assembled layer-by-layer surface modification to fabricate the neuron-rich model from neural stem/precursor cells. Journal of the Formosan Medical Association, 2020, 119, 430-438.	0.8	2
17	Inhibition of melanin synthesis and melanosome transfer by chitosan biomaterials. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 1239-1250.	1.6	9
18	One injection for one-week controlled release: In vitro and in vivo assessment of ultrasound-triggered drug release from injectable thermoresponsive biocompatible hydrogels. Ultrasonics Sonochemistry, 2020, 62, 104875.	3.8	24

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19	The influence of fibroblast growth factor 2 on the senescence of human adipose-derived mesenchymal stem cells during long-term culture. <i>Stem Cells Translational Medicine</i> , 2020, 9, 518-530.	1.6	19
20	Influence of Human Platelet Lysate on Extracellular Matrix Deposition and Cellular Characteristics in Adipose-Derived Stem Cell Sheets. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 558354.	1.8	14
21	Magnetic nanomedicine for CD133-expressing cancer therapy using locoregional hyperthermia combined with chemotherapy. <i>Nanomedicine</i> , 2020, 15, 2543-2561.	1.7	7
22	<i>In vitro</i> study of SDF-1 β -loaded injectable and thermally responsive hydrogels for adipose stem cell therapy by SDF-1/CXCR4 axis. <i>Journal of Materials Chemistry B</i> , 2020, 8, 10360-10372.	2.9	10
23	Synergic Effect of Novel WS ₂ Carriers Holding Spherical Cobalt Ferrite @cubic Fe ₃ O ₄ (WS ₂ /s-CoFe ₂ O ₄ @c-Fe ₃ O ₄) Nanocomposites in Magnetic Resonance Imaging and Photothermal Therapy for Ocular Treatments and Investigation of Corneal Endothelial Cell Migration. <i>Nanomaterials</i> , 2020, 10, 2555.	1.9	8
24	Hyaluronic acid on the urokinase sustained release with a hydrogel system composed of poloxamer 407: HA/P407 hydrogel system for drug delivery. <i>PLoS ONE</i> , 2020, 15, e0227784.	1.1	21
25	Label-free platform on pH-responsive chitosan: Adhesive heterogeneity for cancer stem-like cell isolation from A549 cells via integrin β 4. <i>Carbohydrate Polymers</i> , 2020, 239, 116168.	5.1	5
26	PCL-Blended Chitosan Substrates for Patterning the Heterotypic Cell Distribution in an Epithelial and Mesenchymal Coculture System. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 4225-4235.	2.6	4
27	Intraventricular Medium B Treatment Benefits an Ischemic Stroke Rodent Model via Enhancement of Neurogenesis and Anti-apoptosis. <i>Scientific Reports</i> , 2020, 10, 6596.	1.6	5
28	Application of 4T-PET fibers/nonwovens for leucocyte filters. <i>Journal of Industrial Textiles</i> , 2019, 49, 633-647.	1.1	1
29	Aggregation of human dental pulp cells into 3D spheroids enhances their migration ability after reseeded. <i>Journal of Cellular Physiology</i> , 2019, 234, 976-986.	2.0	8
30	Regulation of chitosan-mediated differentiation of human olfactory receptor neurons by insulin-like growth factor binding protein-2. <i>Acta Biomaterialia</i> , 2019, 97, 399-408.	4.1	6
31	Neuropeptide Y increases differentiation of human olfactory receptor neurons through the Y1 receptor. <i>Neuropeptides</i> , 2019, 78, 101964.	0.9	3
32	Investigating the effect of chitosan/ polycaprolactone blends in differentiation of corneal endothelial cells and extracellular matrix compositions. <i>Experimental Eye Research</i> , 2019, 185, 107679.	1.2	32
33	Chitosan-hyaluronan: promotion of mucociliary differentiation of respiratory epithelial cells and development of olfactory receptor neurons. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019, 47, 564-570.	1.9	8
34	Increased Cell Detachment Ratio of Mesenchymal-Type Lung Cancer Cells on pH-Responsive Chitosan through the β 3 Integrin. <i>Marine Drugs</i> , 2019, 17, 659.	2.2	6
35	Selective Regulation of Neurons, Glial Cells, and Neural Stem/Precursor Cells by Poly(allylguanidine)-Coated Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 48381-48392.	4.0	8
36	Far-infrared ray radiation promotes neurite outgrowth of neuron-like PC12 cells through AKT1 signaling. <i>Journal of the Formosan Medical Association</i> , 2019, 118, 600-610.	0.8	16

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37	Dual-triggered drug-release vehicles for synergistic cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 788-797.	2.5	8
38	Evaluation of pleurodesis by poly- ϵ -caprolactone (PCL) gel in an animal model using New Zealand white rabbits. <i>Asian Journal of Surgery</i> , 2019, 42, 495-500.	0.2	3
39	Characteristics of melanocyte spheroids formed through different biomaterial-induced processes. <i>Journal of the Formosan Medical Association</i> , 2019, 118, 152-161.	0.8	6
40	Chitosan delaying human fibroblast senescence through downregulation of TGF- β 2 signaling pathway. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1-12.	1.9	9
41	Evaluation of digital real-time PCR assay as a molecular diagnostic tool for single-cell analysis. <i>Scientific Reports</i> , 2018, 8, 3432.	1.6	5
42	The Proliferation Capacity of Cultured Neural Stem Cells Promoted by CSF Collected from SAH Patients Correlates to Clinical Outcome. <i>Scientific Reports</i> , 2018, 8, 1109.	1.6	7
43	Poly (ethylene-co-vinyl alcohol) is a suitable substrate for human olfactory neuroepithelial cell differentiation in vitro through a defined regulatory pathway. <i>Acta Biomaterialia</i> , 2018, 68, 204-213.	4.1	4
44	Development of a chitosan-based tissue-engineered renal proximal tubule conduit. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 9-20.	1.6	4
45	Ultrasound-responsive NIPAM-based hydrogels with tunable profile of controlled release of large molecules. <i>Ultrasonics</i> , 2018, 83, 157-163.	2.1	36
46	Poly(N- ϵ -(4-aminobutyl)acrylamide) as mimetic polylysine for improving survival and differentiation of cerebellar granule neurons. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 1194-1201.	1.6	1
47	Core/shell multicellular spheroids on chitosan as in vitro 3D coculture tumor models. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, S651-S660.	1.9	8
48	Hyaluronan antagonizes the differentiation effect of TGF- β 1 on nasal epithelial cells through down-regulation of TGF- β 2 type I receptor. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 254-263.	1.9	9
49	Therapeutic vaccine targeting Epstein-Barr virus latent protein, LMP1, suppresses LMP1-expressing tumor growth and metastasis in vivo. <i>BMC Cancer</i> , 2017, 17, 18.	1.1	22
50	Sustained release of adipose-derived stem cells by thermosensitive chitosan/gelatin hydrogel for therapeutic angiogenesis. <i>Acta Biomaterialia</i> , 2017, 51, 258-267.	4.1	133
51	Association between ischaemic bowel syndromes and androgen deprivation therapy in patients with prostate cancer: a retrospective cohort study. <i>BMJ Open</i> , 2017, 7, e012950.	0.8	1
52	Study of poly- ϵ -caprolactone membranes for pleurodesis. <i>Journal of the Formosan Medical Association</i> , 2017, 116, 880-887.	0.8	4
53	Far infrared radiation promotes rabbit renal proximal tubule cell proliferation and functional characteristics, and protects against cisplatin-induced nephrotoxicity. <i>PLoS ONE</i> , 2017, 12, e0180872.	1.1	7
54	Induced pluripotent stem cells, form in vitro tissue engineering to in vivo allogeneic transplantation. <i>Journal of Thoracic Disease</i> , 2017, 9, 455-459.	0.6	21

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55	Determining arterial wave transit time from a single aortic pressure pulse in rats: vascular impulse response analysis. <i>Scientific Reports</i> , 2017, 7, 40998.	1.6	5
56	Quantification of contractile mechanics in the rat heart from ventricular pressure alone. <i>Oncotarget</i> , 2017, 8, 96161-96170.	0.8	2
57	CD44 expression trends of mesenchymal stem-derived cell, cancer cell and fibroblast spheroids on chitosan-coated surfaces. <i>Pure and Applied Chemistry</i> , 2016, 88, 843-852.	0.9	3
58	Intraventricular infusion of a low fraction of serum enhances neurogenesis and improves recovery in a rodent stroke model. <i>Neuroscience Letters</i> , 2016, 611, 14-20.	1.0	6
59	Effects of fibroblasts on the function of acinar cells from the same human parotid gland. <i>Head and Neck</i> , 2016, 38, E279-86.	0.9	7
60	Citrus polyphenol for oral wound healing in oral ulcers and periodontal diseases. <i>Journal of the Formosan Medical Association</i> , 2016, 115, 100-107.	0.8	9
61	High glucose-induced reactive oxygen species generation promotes stemness in human adipose-derived stem cells. <i>Cytotherapy</i> , 2016, 18, 371-383.	0.3	54
62	Synthesis and application of polyurethane basic organic-inorganic hybrid materials as highly hydrophobic coatings. <i>Journal of Polymer Research</i> , 2016, 23, 1.	1.2	2
63	Inhibition of growth and migration of oral and cervical cancer cells by citrus polyphenol. <i>Journal of the Formosan Medical Association</i> , 2016, 115, 171-185.	0.8	10
64	Novel microinjector for carrying bone substitutes for bone regeneration in periodontal diseases. <i>Journal of the Formosan Medical Association</i> , 2016, 115, 45-50.	0.8	12
65	Chitosan Treatment Delays the Induction of Senescence in Human Foreskin Fibroblast Strains. <i>PLoS ONE</i> , 2015, 10, e0140747.	1.1	7
66	Hexamine-Induced TGF- β Signaling and Osteogenic Differentiation of Dental Pulp Stem Cells Are Dependent on N-Acetylglucosaminyltransferase V. <i>BioMed Research International</i> , 2015, 2015, 1-11.	0.9	9
67	3,6-Bis(1-methyl-4-vinylpyridinium)-carbazole diiodide as a marker for tracking living neural stem/precursor cells. <i>Journal of Materials Chemistry B</i> , 2015, 3, 2067-2074.	2.9	2
68	Novel Porous Oral Patches for Patients with Mild Obstructive Sleep Apnea and Mouth Breathing. <i>Otolaryngology - Head and Neck Surgery</i> , 2015, 152, 369-373.	1.1	16
69	Preparation and characterization of methoxy- α -poly(ethylene glycol) side chain grafted onto chitosan as a wound dressing film. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	6
70	Programmable Laser-Assisted Surface Microfabrication on a Poly(Vinyl Alcohol)-Coated Glass Chip with Self-Changing Cell Adhesivity for Heterotypic Cell Patterning. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 22322-22332.	4.0	21
71	Effects of biomaterial-derived fibroblast conditioned medium on the α -amylase expression of parotid gland acinar cells. <i>Acta Biomaterialia</i> , 2015, 27, 214-223.	4.1	7
72	Detection of Cell Carcinogenic Transformation by a Quadruplex DNA Binding Fluorescent Probe. <i>PLoS ONE</i> , 2014, 9, e86143.	1.1	10

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73	Prevention of Arterial Stiffening by Using Low-Dose Atorvastatin in Diabetes Is Associated with Decreased Malondialdehyde. PLoS ONE, 2014, 9, e90471.	1.1	13
74	Fabrication of a bioengineered corneal endothelial cell sheet using chitosan/polycaprolactone blend membranes. Colloids and Surfaces B: Biointerfaces, 2014, 116, 403-410.	2.5	38
75	The mechanism for keratinocyte detaching from pH-responsive chitosan. Biomaterials, 2014, 35, 9247-9254.	5.7	8
76	Chitosan as an adjuvant-like substrate for dendritic cell culture to enhance antitumor effects. Biomaterials, 2014, 35, 8867-8875.	5.7	30
77	Differentiation of Neural Stem/Progenitor Cells Using Low-Intensity Ultrasound. Ultrasound in Medicine and Biology, 2014, 40, 2195-2206.	0.7	37
78	Increased mucociliary differentiation and aquaporins formation of respiratory epithelial cells on retinoic acid-loaded hyaluronan-derivative membranes. Acta Biomaterialia, 2013, 9, 6783-6789.	4.1	10
79	Serum-free culture of rat proximal tubule cells with enhanced function on chitosan. Acta Biomaterialia, 2013, 9, 8942-8951.	4.1	5
80	Covalent bonding of GYIGSR to EVAL membrane surface to improve migration and adhesion of cultured neural stem/precursor cells. Colloids and Surfaces B: Biointerfaces, 2013, 102, 53-62.	2.5	19
81	INDUCTION OF NEURONAL DIFFERENTIATION OF EMBRYONIC RAT CORTICAL NEUROSPHERES BY NERVE GROWTH FACTOR AND FETAL BOVINE SERUM ON THE NONADHERENT AND ADHERENT SUBSTRATES. Biomedical Engineering - Applications, Basis and Communications, 2013, 25, 1250053.	0.3	0
82	Combination of media, biomaterials and extracellular matrix proteins to enhance the differentiation of neural stem/precursor cells into neurons. Acta Biomaterialia, 2012, 8, 3035-3048.	4.1	23
83	Chitosan Biomaterials Induce Branching Morphogenesis in a Model of Tissue-Engineered Glandular Organs in Serum-Free Conditions. Tissue Engineering - Part A, 2012, 18, 2220-2230.	1.6	14
84	Chondrogenesis of human bone marrow mesenchymal cells by transforming growth factors β 1 through cell shape changes on controlled biomaterials. Journal of Biomedical Materials Research - Part A, 2012, 100A, 3344-3352.	2.1	10
85	Formation of post-confluence structure in human parotid gland acinar cells on PLGA through regulation of E-cadherin. Biomaterials, 2012, 33, 464-472.	5.7	15
86	Control of cell attachment on pH-responsive chitosan surface by precise adjustment of medium pH. Biomaterials, 2012, 33, 1336-1342.	5.7	106
87	The influence of spheroid formation of human adipose-derived stem cells on chitosan films on stemness and differentiation capabilities. Biomaterials, 2012, 33, 1748-1758.	5.7	309
88	Selective culture of different types of human parotid gland cells. Head and Neck, 2011, 33, 407-414.	0.9	8
89	Human salivary gland acinar cells spontaneously form three-dimensional structures and change the protein expression patterns. Journal of Cellular Physiology, 2011, 226, 3076-3085.	2.0	17
90	A TRANSDERMAL DRUG DELIVERY SYSTEM CONTAINING DEFERIOXAMINE MESYLATE FOR THE TREATMENT OF BETA-THALASSAEMIA MAJOR. Biomedical Engineering - Applications, Basis and Communications, 2011, 23, 29-35.	0.3	0

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91	The phenotypic responses of human anterior cruciate ligament cells cultured on poly(ϵ -caprolactone) and chitosan. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 93A, 1297-1305.	2.1	31
92	The effect of poly (ethylene-co-vinyl alcohol) on senescence-associated alterations of human dermal fibroblasts. <i>Biomaterials</i> , 2010, 31, 1568-1577.	5.7	18
93	Modulation of gene expression and collagen production of anterior cruciate ligament cells through cell shape changes on polycaprolactone/chitosan blends. <i>Biomaterials</i> , 2010, 31, 4695-4705.	5.7	71
94	COLORECTAL CANCER CELL DETECTION BY FOLIC ACID-CONJUGATED CHITOSAN NANOPARTICLES. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2010, 22, 9-17.	0.3	3
95	The application of macroelectrophoresis in studying the cellular behaviors on biomaterials: The relationship between cell membrane potentiation and cellular behaviors. , 2010, , .		0
96	The exhibition of polyethylene imine/DNA coated with oligonucleotides for gene delivery. , 2010, , .		0
97	Immobilization of L-Lysine on Microporous PVDF Membranes for Neuron Culture. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2009, 20, 703-720.	1.9	7
98	The enhancement of dermal papilla cell aggregation by extracellular matrix proteins through effects on cell-substratum adhesivity and cell motility. <i>Biomaterials</i> , 2009, 30, 5031-5040.	5.7	51
99	Induction of differentiation and mineralization in rat tooth germ cells on PVA through inhibition of ERK1/2. <i>Biomaterials</i> , 2009, 30, 541-547.	5.7	11
100	Gallium nitride induces neuronal differentiation markers in neural stem/precursor cells derived from rat cerebral cortex. <i>Acta Biomaterialia</i> , 2009, 5, 2610-2617.	4.1	19
101	The specificity of chitosan in promoting branching morphogenesis of progenitor salivary tissue. <i>Biochemical and Biophysical Research Communications</i> , 2009, 381, 466-470.	1.0	25
102	Formation of Keratocyte Spheroids on Chitosan-Coated Surface Can Maintain Keratocyte Phenotypes. <i>Tissue Engineering - Part A</i> , 2009, 15, 2001-2013.	1.6	42
103	Self-assembly of dermal papilla cells into inductive spheroidal microtissues on poly(ethylene-co-vinyl) Tj ETQq1 1 0.784314 rgBT /Over 5.7 89	5.7	89
104	COMPARISON OF PLGA, PCL, AND CHITOSAN IN SALIVARY GLAND BRANCHING MORPHOGENESIS. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2008, 20, 287-296.	0.3	12
105	NEURONS CULTURED ON GaN AND IS ASSOCIATED WITH SYNAPSIN I AND MAP2 EXPRESSION. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2008, 20, 75-82.	0.3	3
106	EFFECT OF SURFACE CHARACTERISTICS OF POLYHYDROXYALKANOATES (PHAs) ON METABOLIC ACTIVITIES AND MORPHOLOGY OF HUMAN SCHWANN CELLS-LIKE (hSCs-LIKE). <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2007, 19, 91-97.	0.3	0
107	PEI/EVAL blend membranes for granule neuronal cell culture. <i>Journal of Polymer Research</i> , 2007, 14, 229-243.	1.2	9
108	Assessment of GaN chips for culturing cerebellar granule neurons. <i>Biomaterials</i> , 2006, 27, 3361-3367.	5.7	52

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109	Differences in the effect on neural stem cells of fetal bovine serum in substrate-coated and soluble form. <i>Biomaterials</i> , 2006, 27, 5901-5908.	5.7	29
110	Synthesis of Fe ₃ O ₄ /PMMA composite latex particles: Kinetic modeling. <i>Journal of Applied Polymer Science</i> , 2006, 100, 4925-4934.	1.3	2
111	Preparation of Clay/PMMA Nanocomposites with Intercalated or Exfoliated Structure for Bone Cement Synthesis. <i>Macromolecular Materials and Engineering</i> , 2006, 291, 661-669.	1.7	20
112	Rapid cell-patterning and microfluidic chip fabrication by crack-free CO ₂ laser ablation on glass. <i>Journal of Micromechanics and Microengineering</i> , 2006, 16, 1143-1153.	1.5	46
113	Crack-free micromachining on glass using an economic Q-switched 532 nm laser. <i>Journal of Micromechanics and Microengineering</i> , 2006, 16, 2420-2424.	1.5	32
114	Formation of melanocyte spheroids on the chitosan-coated surface. <i>Biomaterials</i> , 2005, 26, 1413-1422.	5.7	69
115	Behavior of embryonic rat cerebral cortical stem cells on the PVA and EVAL substrates. <i>Biomaterials</i> , 2005, 26, 4291-4299.	5.7	60
116	A novel method to prepare chitosan/montmorillonite nanocomposites. <i>Journal of Applied Polymer Science</i> , 2005, 98, 2042-2047.	1.3	76
117	Determination of surface charge properties of PC-12 cells by electrophoresis. <i>Journal of Colloid and Interface Science</i> , 2005, 285, 557-561.	5.0	10
118	Preparation and clinical application of immunomagnetic latex. <i>Journal of Polymer Science Part A</i> , 2005, 43, 1342-1356.	2.5	43
119	IN VITRO RELEASE OF HYDROCORTISONE BY GLYCINE-IMMOBILIZED EVAL MEMBRANE. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2005, 17, 86-90.	0.3	1
120	ELECTROOSMOTIC MIXING INDUCED BY NON-UNIFORM ZETA POTENTIAL AND APPLICATION FOR DNA MICROARRAY IN MICROFLUIDIC CHANNEL. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2005, 17, 281-283.	0.3	6
121	Crack-free direct-writing on glass using a low-power UV laser in the manufacture of a microfluidic chip. <i>Journal of Micromechanics and Microengineering</i> , 2005, 15, 1147-1156.	1.5	104
122	Synthesis of iron oxide/poly(methyl methacrylate) composite latex particles: Nucleation mechanism and morphology. <i>Journal of Polymer Science Part A</i> , 2004, 42, 5695-5705.	2.5	67
123	Direct-write laser micromachining and universal surface modification of PMMA for device development. <i>Sensors and Actuators B: Chemical</i> , 2004, 99, 186-196.	4.0	220
124	Change in electrophoretic mobility of PC12 cells after culturing on PVA membranes modified with different diamines. <i>Journal of Biomedical Materials Research - Part A</i> , 2003, 67A, 1238-1244.	2.1	17
125	Covalent bonding of lysine to EVAL membrane surface to improve survival of cultured cerebellar granule neurons. <i>Biomaterials</i> , 2003, 24, 1477-1486.	5.7	20
126	Kinetic modelling of blood glucose variation in a bioartificial pancreas. <i>Biomaterials</i> , 2003, 24, 2251-2256.	5.7	1

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127	Assessment and modeling of poly(vinyl alcohol) bioartificial pancreas in vivo. <i>Biomaterials</i> , 2002, 23, 3495-3501.	5.7	33
128	Electrophoretic Properties of Latex Particles with Immobilized Bovine Serum Albumin. <i>Journal of Colloid and Interface Science</i> , 2001, 239, 563-567.	5.0	10
129	Human monocyte adhesion and activation on crystalline polymers with different morphology and wettability in vitro. , 2000, 50, 490-498.		24
130	Development of biodegradable polyesterurethane membranes with different surface morphologies for the culture of osteoblasts. <i>Journal of Biomedical Materials Research Part B</i> , 2000, 51, 761-770.	3.0	29
131	The role of cell density in the survival of cultured cerebellar granule neurons. <i>Journal of Biomedical Materials Research Part B</i> , 2000, 52, 748-753.	3.0	23
132	Analysis of ultrahigh molecular weight polyethylene failure in artificial knee joints: Thermal effect on long-term performance. <i>Journal of Biomedical Materials Research Part B</i> , 1999, 48, 159-164.	3.0	17
133	Polyethylene failure in New Jersey low-contact stress total knee arthroplasty. , 1998, 39, 153-160.		28
134	Use of a diffusion model for assessing the performance of poly(vinyl alcohol) bioartificial pancreases. , 1998, 40, 385-391.		37
135	Phase Behavior of EVAL Polymers in Water-2-Propanol Cosolvent. <i>Macromolecules</i> , 1998, 31, 1229-1235.	2.2	54
136	A microfluidic coculture system for cell-cell interaction study. , 0, , .		0