

Jui-Che Lin

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61
papers

1,470
citations

23
h-index

36
g-index

65
ext. papers

1,605
ext. citations

6
avg, IF

4.44
L-index

#	Paper	IF	Citations
61	In vitro feasibility study of the use of a magnetic electrospun chitosan nanofiber composite for hyperthermia treatment of tumor cells. <i>Acta Biomaterialia</i> , 2012 , 8, 2704-11	10.8	99
60	Degradation of phenol and TCE using suspended and chitosan-bead immobilized <i>Pseudomonas putida</i> . <i>Journal of Hazardous Materials</i> , 2007 , 148, 660-70	12.8	97
59	Surface properties and hemocompatibility of alkyl-siloxane monolayers supported on silicone rubber: effect of alkyl chain length and ionic functionality. <i>Biomaterials</i> , 1999 , 20, 1533-43	15.6	76
58	Water-based synthesis and processing of novel biodegradable elastomers for medical applications. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 5083-5092	7.3	66
57	Synthesis, surface characterization, and platelet reactivity evaluation for the self-assembled monolayer of alkanethiol with sulfonic acid functionality. <i>Journal of Biomedical Materials Research Part B</i> , 2000 , 51, 413-23		64
56	Surface characterization and ex vivo blood compatibility study of plasma-modified small diameter tubing: effect of sulphur dioxide and hexamethyldisiloxane plasmas. <i>Biomaterials</i> , 1995 , 16, 1017-23	15.6	62
55	Study of sodium tripolyphosphate-crosslinked chitosan beads entrapped with <i>Pseudomonas putida</i> for phenol degradation. <i>Process Biochemistry</i> , 2008 , 43, 83-92	4.8	56
54	MRI of gallstones with different compositions. <i>American Journal of Roentgenology</i> , 2004 , 182, 1513-9	5.4	49
53	Effects of silane- and MDP-based primers application orders on zirconia-resin adhesion-A ToF-SIMS study. <i>Dental Materials</i> , 2017 , 33, 923-933	5.7	47
52	Surface characterization and platelet adhesion studies of self-assembled monolayer with phosphonate ester and phosphonic acid functionalities. <i>Journal of Biomedical Materials Research Part B</i> , 2001 , 55, 554-65		41
51	Cometabolic degradation kinetics of TCE and phenol by <i>Pseudomonas putida</i> . <i>Chemosphere</i> , 2008 , 72, 1671-80	8.4	39
50	Surface characterization and platelet adhesion studies for the mixed self-assembled monolayers with amine and carboxylic acid terminated functionalities. <i>Journal of Biomedical Materials Research - Part A</i> , 2007 , 82, 820-30	5.4	39
49	Surface characterization and platelet adhesion studies on fluorocarbons prepared by plasma-induced graft polymerization. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2000 , 11, 701-14	3.5	38
48	Surface Characterization and Platelet Adhesion Studies of Plasma-Carboxylated Polyethylene. <i>Journal of Colloid and Interface Science</i> , 1993 , 156, 207-217	9.3	37
47	The inhibition of TNF-alpha-induced E-selectin expression in endothelial cells via the JNK/NF-kappaB pathways by highly N-acetylated chitoooligosaccharides. <i>Biomaterials</i> , 2007 , 28, 1355-66	15.6	36
46	Riboflavin-ultraviolet-A-induced collagen cross-linking treatments in improving dentin bonding. <i>Dental Materials</i> , 2013 , 29, 682-92	5.7	35
45	Characterization and blood coagulation evaluation of the water-soluble chitoooligosaccharides prepared by a facile fractionation method. <i>Biomacromolecules</i> , 2003 , 4, 1691-7	6.9	32

44	Polyethylene Surface Sulfonation: Surface Characterization and Platelet Adhesion Studies. <i>Journal of Colloid and Interface Science</i> , 1994 , 164, 99-106	9.3	32
43	Surface characterization and in vitro platelet compatibility study of surface sulfonated chitosan membrane with amino group protection-deprotection strategy. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2008 , 19, 291-310	3.5	30
42	Surface and blood-contacting properties of alkylsiloxane monolayers supported on silicone rubber. <i>Journal of Biomedical Materials Research Part B</i> , 1995 , 29, 535-48		28
41	Preconditioning Gold Substrates Influences Organothiol Self-assembled Monolayer (SAM) Formation. <i>Journal of Colloid and Interface Science</i> , 2001 , 238, 259-266	9.3	25
40	Surface characterization and platelet adhesion studies on polyurethane surface immobilized with C60. <i>Biomaterials</i> , 1999 , 20, 1613-20	15.6	25
39	Solvent and concentration effects on the surface characteristics and platelet compatibility of zwitterionic sulfobetaine-terminated self-assembled monolayers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 101, 376-83	6	23
38	Surface characterization and platelet adhesion studies of plasma polymerized phosphite and its copolymers with dimethylsulfate. <i>Biomaterials</i> , 1999 , 20, 1439-47	15.6	23
37	Improving the surface biocompatibility with the use of mixed zwitterionic self-assembled monolayers prepared by a proper solvent. <i>Langmuir</i> , 2011 , 27, 7091-8	4	20
36	Surface characterization and platelet adhesion studies on polyethylene surface with hirudin immobilization. <i>Journal of Materials Science: Materials in Medicine</i> , 2001 , 12, 827-32	4.5	20
35	Surface characterization and platelet compatibility evaluation of surface-sulfonated chitosan membrane. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2001 , 12, 543-57	3.5	20
34	Design and fabrication of a TiO ₂ /nano-silicon composite visible light photocatalyst. <i>Applied Surface Science</i> , 2006 , 253, 898-903	6.7	19
33	Studies of a novel human thrombomodulin immobilized substrate: surface characterization and anticoagulation activity evaluation. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2001 , 12, 1075-89	3.5	19
32	In Vitro Fibrinogen Adsorption from Various Dilutions of Human Blood Plasma on Glow Discharge Modified Polyethylene. <i>Journal of Colloid and Interface Science</i> , 1996 , 182, 315-325	9.3	18
31	Feasibility evaluation of chitosan coatings on polyethylene tubing for biliary stent applications. <i>Journal of Applied Polymer Science</i> , 2005 , 97, 893-902	2.9	17
30	Bioactivity and platelet adhesion study of a human thrombomodulin-immobilized nitinol surface. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2009 , 20, 807-19	3.5	16
29	Studies of sulfonated polyethylene for biliary stent application. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 2450-2457	2.9	16
28	In vitro characterization of magnetic electrospun IDA-grafted chitosan nanofiber composite for hyperthermic tumor cell treatment. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2013 , 24, 1152-63	3.5	15
27	Ex-vivo blood compatibility of silicone-containing biomaterials. <i>Journal of Materials Science: Materials in Medicine</i> , 1994 , 5, 207-213	4.5	15

26	Surface characterization and platelet compatibility evaluation of the binary mixed self-assembled monolayers. <i>Journal of Colloid and Interface Science</i> , 2007 , 308, 474-84	9.3	14
25	Studies of magnetic alginate-based electrospun matrices crosslinked with different methods for potential hyperthermia treatment. <i>Materials Science and Engineering C</i> , 2016 , 62, 338-49	8.3	13
24	Argon-plasma-treated chitosan: surface characterization and initial attachment of osteoblasts. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010 , 21, 563-79	3.5	13
23	Studies of PET nonwovens modified by novel antimicrobials configured with both -halamine and dual quaternary ammonium with different alkyl chain length.. <i>RSC Advances</i> , 2019 , 9, 7257-7265	3.7	11
22	Surface modification of titanium substrate with a novel covalently-bound copolymer thin film for improving its platelet compatibility. <i>Journal of Materials Science: Materials in Medicine</i> , 2015 , 26, 79	4.5	11
21	Characteristics and cyto-compatibility of Collagen/CaP coatings on Ti6Al4V substrate. <i>Surface and Coatings Technology</i> , 2011 , 205, 4683-4689	4.4	11
20	Synthesis and characterization of poly(vinyl alcohol) membranes with quaternary ammonium groups for wound dressing. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010 , 21, 429-43	3.5	11
19	Surface characterization and platelet compatibility evaluation of binary mixed self-assembled monolayers containing novel sulfonic acid terminated alkanethiol. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 79, 156-63	6	11
18	Platelet compatibility improvement by proper choice of acidic terminal functionality for mixed-charge self-assembled monolayers. <i>Langmuir</i> , 2012 , 28, 640-7	4	10
17	Synthesis and property evaluations of photocrosslinkable chitosan derivative and its photocopolymerization with poly(ethylene glycol). <i>Journal of Applied Polymer Science</i> , 2006 , 100, 1794-1801	2.9	10
16	Feasibility of rapid quantitation of stratum corneum lipid content by Fourier transform infrared spectrometry. <i>Spectroscopy</i> , 2004 , 18, 423-431		10
15	In vitro and in vivo studies for modified ethyl cyanoacrylate regimens for sclerotherapy. <i>Journal of Biomedical Materials Research Part B</i> , 2000 , 53, 799-805		9
14	Genetic Polymorphisms in Inflammation-Dependent Innate Immunity among Pediatric Patients with Severe Renal Parenchymal Infections. <i>PLoS ONE</i> , 2015 , 10, e0140128	3.7	8
13	Surface phosphorylation for polyelectrolyte complex of chitosan and its sulfonated derivative: surface analysis, blood compatibility and adipose derived stem cell contact properties. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012 , 23, 233-50	3.5	8
12	Properties of phospholipid monolayer deposited on a fluorinated polyurethane. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2004 , 15, 957-69	3.5	7
11	Studies of proliferation and chondrogenic differentiation of rat adipose stem cells using an anti-oxidative polyurethane scaffold combined with cyclic compression culture. <i>Materials Science and Engineering C</i> , 2020 , 112, 110964	8.3	5
10	Effect of alkyl chain length and fluorine content on the surface characteristics and antibacterial activity of surfaces grafted with brushes containing quaternized ammonium and fluoro-containing monomers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 202, 111674	6	4
9	A facile novel fluorocarbon copolymer solution coating process for improving platelet compatibility of titanium. <i>Materials Science and Engineering C</i> , 2017 , 80, 584-593	8.3	2

8	Investigations of silane-MDP interaction in universal adhesives: A ToF-SIMS analysis.. <i>Dental Materials</i> , 2021 , 38, 183-183	5.7	2
7	Studies of surface grafted collagen and transforming growth factor β combined with cyclic stretching as a dual chemical and physical stimuli approach for rat adipose-derived stem cells (rADSCs) chondrogenesis differentiation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020 , 112, 104062	4.1	2
6	Sulfonation and Characterization of Tert-Butyl Styrene/Styrene/Isoprene Copolymer and Polypropylene Blends for Blood Compatibility Applications. <i>Polymers</i> , 2020 , 12,	4.5	1
5	Surface Characterization and In-vitro Blood Compatibility Study of the Mixed Self-assembled Monolayers. <i>IFMBE Proceedings</i> , 2009 , 1418-1421	0.2	1
4	Studies of osteoblast-like MG-63 cellular proliferation and differentiation with cyclic stretching cell culture system on biomimetic hydrophilic layers modified polydimethylsiloxane substrate. <i>Biochemical Engineering Journal</i> , 2021 , 168, 107946	4.2	1
3	Studies of zwitterionic sulfobetaine functionalized polypropylene surface with or without polyethylene glycol spacer: surface characterization, antibacterial adhesion, and platelet compatibility evaluation. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2020 , 31, 2060-2077	3.5	0
2	Synthesis, Surface Characterization and In Vitro Blood Compatibility Studies of the Self-assembled Monolayers (SAMs) Containing Lipid-like Phosphorylethanolamine Terminal Group. <i>IFMBE Proceedings</i> , 2009 , 1413-1417	0.2	
1	Studies of polypropylene surface modified with novel beta-thiopropionate-based zwitterionic polymeric brush: synthesis, surface characterization, and significantly reduced fouling characteristics evaluation. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2020 , 31, 310-323	3.5	