

Jui-Che Lin

List of Publications by Year in descending order

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64
papers

1,743
citations

279487

23
h-index

301761

39
g-index

65
all docs

65
docs citations

65
times ranked

2357
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 2704-2711.	4.1	111
2	Degradation of phenol and TCE using suspended and chitosan-bead immobilized <i>Pseudomonas putida</i> . <i>Journal of Hazardous Materials</i> , 2007, 148, 660-670.	6.5	107
3	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, 1533-1543.	5.7	84
4	Water-based synthesis and processing of novel biodegradable elastomers for medical applications. <i>Journal of Materials Chemistry B</i> , 2014, 2, 5083-5092.	2.9	76
5	Surface characterization and ex vivo blood compatibility study of plasmamodified small diameter tubing: effect of sulphur dioxide and hexamethyl-disiloxane plasmas. <i>Biomaterials</i> , 1995, 16, 1017-1023.	5.7	73
6	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, 413-423.	3.0	69
7	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.	1.6	68
8	MRI of Gallstones with Different Compositions. <i>American Journal of Roentgenology</i> , 2004, 182, 1513-1519.	1.0	65
9	Study of sodium tripolyphosphate-crosslinked chitosan beads entrapped with <i>Pseudomonas putida</i> for phenol degradation. <i>Process Biochemistry</i> , 2008, 43, 83-92.	1.8	65
10	Riboflavin-ultraviolet-A-induced collagen cross-linking treatments in improving dentin bonding. <i>Dental Materials</i> , 2013, 29, 682-692.	1.6	49
11	Surface characterization and platelet adhesion studies on fluorocarbons prepared by plasma-induced graft polymerization. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2000, 11, 701-714.	1.9	45
12	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, 554-565.	3.0	43
13	Cometabolic degradation kinetics of TCE and phenol by <i>Pseudomonas putida</i> . <i>Chemosphere</i> , 2008, 72, 1671-1680.	4.2	41
14	Surface Characterization and Platelet Adhesion Studies of Plasma-Carboxylated Polyethylene. <i>Journal of Colloid and Interface Science</i> , 1993, 156, 207-217.	5.0	40
15	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, 82A, 820-830.	2.1	40
16	The inhibition of TNF- α -induced E-selectin expression in endothelial cells via the JNK/NF- κ B pathways by highly N-acetylated chitooligosaccharides. <i>Biomaterials</i> , 2007, 28, 1355-1366.	5.7	40
17	Characterization and Blood Coagulation Evaluation of the Water-Soluble Chitooligosaccharides Prepared by a Facile Fractionation Method. <i>Biomacromolecules</i> , 2003, 4, 1691-1697.	2.6	39
18	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.	1.9	36

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19	Polyethylene Surface Sulfonation: Surface Characterization and Platelet Adhesion Studies. Journal of Colloid and Interface Science, 1994, 164, 99-106.	5.0	35
20	Surface and blood-contacting properties of alkylsiloxane monolayers supported on silicone rubber. Journal of Biomedical Materials Research Part B, 1995, 29, 535-548.	3.0	35
21	Surface characterization and platelet adhesion studies on polyurethane surface immobilized with C60. Biomaterials, 1999, 20, 1613-1620.	5.7	25
22	Preconditioning Gold Substrates Influences Organothiol Self-assembled Monolayer (SAM) Formation. Journal of Colloid and Interface Science, 2001, 238, 259-266.	5.0	25
23	Surface characterization and platelet adhesion studies of plasma polymerized phosphite and its copolymers with dimethylsulfate. Biomaterials, 1999, 20, 1439-1447.	5.7	23
24	Surface characterization and platelet compatibility evaluation of surface-sulfonated chitosan membrane. Journal of Biomaterials Science, Polymer Edition, 2001, 12, 543-557.	1.9	23
25	Solvent and concentration effects on the surface characteristics and platelet compatibility of zwitterionic sulfobetaine-terminated self-assembled monolayers. Colloids and Surfaces B: Biointerfaces, 2013, 101, 376-383.	2.5	23
26	Studies of a novel human thrombomodulin immobilized substrate: surface characterization and anticoagulation activity evaluation. Journal of Biomaterials Science, Polymer Edition, 2001, 12, 1075-1089.	1.9	22
27	Surface characterization and platelet adhesion studies on polyethylene surface with hirudin immobilization. Journal of Materials Science: Materials in Medicine, 2001, 12, 827-832.	1.7	21
28	Feasibility evaluation of chitosan coatings on polyethylene tubing for biliary stent applications. Journal of Applied Polymer Science, 2005, 97, 893-902.	1.3	20
29	Improving the Surface Biocompatibility with the Use of Mixed Zwitterionic Self-Assembled Monolayers Prepared by a Proper Solvent. Langmuir, 2011, 27, 7091-7098.	1.6	20
30	In Vitro Fibrinogen Adsorption from Various Dilutions of Human Blood Plasma on Glow Discharge Modified Polyethylene. Journal of Colloid and Interface Science, 1996, 182, 315-325.	5.0	19
31	Feasibility of rapid quantitation of stratum corneum lipid content by Fourier transform infrared spectrometry. Spectroscopy, 2004, 18, 423-431.	0.8	19
32	Design and fabrication of a TiO ₂ /nano-silicon composite visible light photocatalyst. Applied Surface Science, 2006, 253, 898-903.	3.1	19
33	Bioactivity and Platelet Adhesion Study of a Human Thrombomodulin-Immobilized Nitinol Surface. Journal of Biomaterials Science, Polymer Edition, 2009, 20, 807-819.	1.9	19
34	Studies of magnetic alginate-based electrospun matrices crosslinked with different methods for potential hyperthermia treatment. Materials Science and Engineering C, 2016, 62, 338-349.	3.8	19
35	Studies of PET nonwovens modified by novel antimicrobials configured with both N-halamine and dual quaternary ammonium with different alkyl chain length. RSC Advances, 2019, 9, 7257-7265.	1.7	19
36	Ex-vivo blood compatibility of silicone-containing biomaterials. Journal of Materials Science: Materials in Medicine, 1994, 5, 207-213.	1.7	18

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37	Studies of sulfonated polyethylene for biliary stent application. <i>Journal of Applied Polymer Science</i> , 2004, 92, 2450-2457.	1.3	17
38	<i>In vitro</i> characterization of magnetic electrospun IDA-grafted chitosan nanofiber composite for hyperthermic tumor cell treatment. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2013, 24, 1152-1163.	1.9	17
39	Surface characterization and platelet compatibility evaluation of the binary mixed self-assembled monolayers. <i>Journal of Colloid and Interface Science</i> , 2007, 308, 474-484.	5.0	16
40	Argon-Plasma-Treated Chitosan: Surface Characterization and Initial Attachment of Osteoblasts. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010, 21, 563-579.	1.9	15
41	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, 429-443.	1.9	13
42	Characteristics and cyto-compatibility of Collagen/Ca ²⁺ coatings on Ti6Al4V substrate. <i>Surface and Coatings Technology</i> , 2011, 205, 4683-4689.	2.2	12
43	Genetic Polymorphisms in Inflammasome-Dependent Innate Immunity among Pediatric Patients with Severe Renal Parenchymal Infections. <i>PLoS ONE</i> , 2015, 10, e0140128.	1.1	12
44	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.	1.7	12
45	Investigations of silane-MDP interaction in universal adhesives: A ToF-SIMS analysis. <i>Dental Materials</i> , 2022, 38, 183-193.	1.6	12
46	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, 156-163.	2.5	11
47	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.	1.8	11
48	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.	1.3	10
49	Platelet Compatibility Improvement by Proper Choice of Acidic Terminal Functionality for Mixed-Charge Self-Assembled Monolayers. <i>Langmuir</i> , 2012, 28, 640-647.	1.6	10
50	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.	2.5	10
51	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.	3.0	9
52	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, 233-250.	1.9	9
53	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.	3.8	9
54	Interaction of silane with 10-MDP on affecting surface chemistry and resin bonding of zirconia. <i>Dental Materials</i> , 2022, 38, 715-724.	1.6	9

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55	Properties of phospholipid monolayer deposited on a fluorinated polyurethane. Journal of Biomaterials Science, Polymer Edition, 2004, 15, 957-969.	1.9	7
56	Surface Modification of Polyurethane Membrane with Various Hydrophilic Monomers and N-Halamine: Surface Characterization and Antimicrobial Properties Evaluation. Polymers, 2021, 13, 2321.	2.0	7
57	Studies of surface grafted collagen and transforming growth factor β 1 combined with cyclic stretching as a dual chemical and physical stimuli approach for rat adipose-derived stem cells (rADSCs) chondrogenesis differentiation. Journal of the Mechanical Behavior of Biomedical Materials, 2020, 112, 104062.	1.5	6
58	Studies of the Sulfonated Hydrogenated Styrene-Isoprene-Styrene Block Copolymer and Its Surface Properties, Cytotoxicity, and Platelet-Contacting Characteristics. Polymers, 2021, 13, 235.	2.0	5
59	A facile novel fluorocarbon copolymer solution coating process for improving platelet compatibility of titanium. Materials Science and Engineering C, 2017, 80, 584-593.	3.8	3
60	Sulfonation and Characterization of Tert-Butyl Styrene/Styrene/Isoprene Copolymer and Polypropylene Blends for Blood Compatibility Applications. Polymers, 2020, 12, 1351.	2.0	2
61	Novel Polymerization of Dental Composites Using Near-Infrared-Induced Internal Upconversion Blue Luminescence. Polymers, 2021, 13, 4304.	2.0	2
62	Studies of zwitterionic sulfobetaine functionalized polypropylene surface with or without polyethylene glycol spacer: surface characterization, antibacterial adhesion, and platelet compatibility evaluation. Journal of Biomaterials Science, Polymer Edition, 2020, 31, 2060-2077.	1.9	1
63	Surface Characterization and In-vitro Blood Compatibility Study of the Mixed Self-assembled Monolayers. IFMBE Proceedings, 2009, , 1418-1421.	0.2	1
64	Studies of polypropylene surface modified with novel beta-thiopropionate-based zwitterionic polymeric brush: synthesis, surface characterization, and significantly reduced fouling characteristics evaluation. Journal of Biomaterials Science, Polymer Edition, 2020, 31, 310-323.	1.9	0