Jui-Che Lin

List of Publications by Year
in descending order

64	1,743	279487 23	301761 39
papers	citations	h-index	g-index

65	65	65	2357
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigations of silane-MDP interaction in universal adhesives: A ToF-SIMS analysis. Dental Materials, 2022, 38, 183-193.	1.6	12
2	Interaction of silane with 10-MDP on affecting surface chemistry and resin bonding of zirconia. Dental Materials, 2022, 38, 715-724.	1.6	9
3	Studies of osteoblast-like MG-63 cellular proliferation and differentiation with cyclic stretching cell culture system on biomimetic hydrophilic layers modified polydimethylsiloxane substrate. Biochemical Engineering Journal, 2021, 168, 107946.	1.8	11
4	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. Colloids and Surfaces B: Biointerfaces, 2021, 202, 111674.	2.5	10
5	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
6	Studies of the Sulfonated Hydrogenated Styreneâ€“Isopreneâ€“Styrene Block Copolymer and Its Surface Properties, Cytotoxicity, and Platelet-Contacting Characteristics. Polymers, 2021, 13, 235.	2.0	5
7	Novel Polymerization of Dental Composites Using Near-Infrared-Induced Internal Upconversion Blue Luminescence. Polymers, 2021, 13, 4304.	2.0	2
8	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
9	Studies of surface grafted collagen and transforming growth factor Î²1 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
10	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
11	Sulfonation and Characterization of Tert-Butyl Styrene/Styrene/Isoprene Copolymer and Polypropylene Blends for Blood Compatibility Applications. Polymers, 2020, 12, 1351.	2.0	2
12	Studies of proliferation and chondrogenic differentiation of rat adipose stem cells using an anti-oxidative polyurethane scaffold combined with cyclic compression culture. Materials Science and Engineering C, 2020, 112, 110964.	3.8	9
13	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
14	Effects of silane- and MDP-based primers application orders on zirconiaâ€“resin adhesionâ€”A ToF-SIMS study. Dental Materials, 2017, 33, 923-933.	1.6	68
15	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
16	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
17	Genetic Polymorphisms in Inflammasome-Dependent Innate Immunity among Pediatric Patients with Severe Renal Parenchymal Infections. PLoS ONE, 2015, 10, e0140128.	1.1	12
18	Surface modification of titanium substrate with a novel covalently-bound copolymer thin film for improving its platelet compatibility. Journal of Materials Science: Materials in Medicine, 2015, 26, 79.	1.7	12

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19	Water-based synthesis and processing of novel biodegradable elastomers for medical applications. Journal of Materials Chemistry B, 2014, 2, 5083-5092.	2.9	76
20	In vitrocharacterization of magnetic electrospun IDA-grafted chitosan nanofiber composite for hyperthermic tumor cell treatment. Journal of Biomaterials Science, Polymer Edition, 2013, 24, 1152-1163.	1.9	17
21	Riboflavin-ultraviolet-A-induced collagen cross-linking treatments in improving dentin bonding. Dental Materials, 2013, 29, 682-692.	1.6	49
22	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
23	Surface Phosphorylation for Polyelectrolyte Complex of Chitosan and Its Sulfonated Derivative: Surface Analysis, Blood Compatibility and Adipose Derived Stem Cell Contact Properties. Journal of Biomaterials Science, Polymer Edition, 2012, 23, 233-250.	1.9	9
24	Platelet Compatibility Improvement by Proper Choice of Acidic Terminal Functionality for Mixed-Charge Self-Assembled Monolayers. Langmuir, 2012, 28, 640-647.	1.6	10
25	In vitro feasibility study of the use of a magnetic electrospun chitosan nanofiber composite for hyperthermia treatment of tumor cells. Acta Biomaterialia, 2012, 8, 2704-2711.	4.1	111
26	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
27	Characteristics and cyto-compatibility of Collagen/Caâ€“P coatings on Ti6Al4V substrate. Surface and Coatings Technology, 2011, 205, 4683-4689.	2.2	12
28	Surface characterization and platelet compatibility evaluation of binary mixed self-assembled monolayers containing novel sulfonic acid terminated alkanethiol. Colloids and Surfaces B: Biointerfaces, 2010, 79, 156-163.	2.5	11
29	Argon-Plasma-Treated Chitosan: Surface Characterization and Initial Attachment of Osteoblasts. Journal of Biomaterials Science, Polymer Edition, 2010, 21, 563-579.	1.9	15
30	Synthesis and Characterization of Poly(vinyl alcohol) Membranes with Quaternary Ammonium Groups for Wound Dressing. Journal of Biomaterials Science, Polymer Edition, 2010, 21, 429-443.	1.9	13
31	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
32	Surface Characterization and In-vitro Blood Compatibility Study of the Mixed Self-assembled Monolayers. IFMBE Proceedings, 2009, , 1418-1421.	0.2	1
33	Study of sodium tripolyphosphate-crosslinked chitosan beads entrapped with Pseudomonas putida for phenol degradation. Process Biochemistry, 2008, 43, 83-92.	1.8	65
34	Cometabolic degradation kinetics of TCE and phenol by Pseudomonas putida. Chemosphere, 2008, 72, 1671-1680.	4.2	41
35	Surface characterization and in vitro platelet compatibility study of surface sulfonated chitosan membrane with amino group protectionâ€“deprotection strategy. Journal of Biomaterials Science, Polymer Edition, 2008, 19, 291-310.	1.9	36
36	Surface characterization and platelet adhesion studies for the mixed self-assembled monolayers with amine and carboxylic acid terminated functionalities. Journal of Biomedical Materials Research - Part A, 2007, 82A, 820-830.	2.1	40

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37	The inhibition of TNF-Î±-induced E-selectin expression in endothelial cells via the JNK/NF-ÎºB pathways by highly N-acetylated chitooligosaccharides. Biomaterials, 2007, 28, 1355-1366.	5.7	40
38	Degradation of phenol and TCE using suspended and chitosan-bead immobilized Pseudomonas putida. Journal of Hazardous Materials, 2007, 148, 660-670.	6.5	107
39	Surface characterization and platelet compatibility evaluation of the binary mixed self-assembled monolayers. Journal of Colloid and Interface Science, 2007, 308, 474-484.	5.0	16
40	Design and fabrication of a TiO 2 /nano-silicon composite visible light photocatalyst. Applied Surface Science, 2006, 253, 898-903.	3.1	19
41	Synthesis and property evaluations of photocrosslinkable chitosan derivative and its photocopolymerization with poly(ethylene glycol). Journal of Applied Polymer Science, 2006, 100, 1794-1801.	1.3	10
42	Feasibility evaluation of chitosan coatings on polyethylene tubing for biliary stent applications. Journal of Applied Polymer Science, 2005, 97, 893-902.	1.3	20
43	Feasibility of rapid quantitation of stratum corneum lipid content by Fourier transform infrared spectrometry. Spectroscopy, 2004, 18, 423-431.	0.8	19
44	MRI of Gallstones with Different Compositions. American Journal of Roentgenology, 2004, 182, 1513-1519.	1.0	65
45	Properties of phospholipid monolayer deposited on a fluorinated polyurethane. Journal of Biomaterials Science, Polymer Edition, 2004, 15, 957-969.	1.9	7
46	Studies of sulfonated polyethylene for biliary stent application. Journal of Applied Polymer Science, 2004, 92, 2450-2457.	1.3	17
47	Characterization and Blood Coagulation Evaluation of the Water-Soluble Chitooligosaccharides Prepared by a Facile Fractionation Method. Biomacromolecules, 2003, 4, 1691-1697.	2.6	39
48	Surface characterization and platelet compatibility evaluation of surface-sulfonated chitosan membrane. Journal of Biomaterials Science, Polymer Edition, 2001, 12, 543-557.	1.9	23
49	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
50	Surface characterization and platelet adhesion studies of self-assembled monolayer with phosphonate ester and phosphonic acid functionalities. Journal of Biomedical Materials Research Part B, 2001, 55, 554-565.	3.0	43
51	Preconditioning Gold Substrates Influences Organothiol Self-assembled Monolayer (SAM) Formation. Journal of Colloid and Interface Science, 2001, 238, 259-266.	5.0	25
52	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
53	In vitro andin vivo studies for modified ethyl cyanoacrylate regimens for sclerotherapy. Journal of Biomedical Materials Research Part B, 2000, 53, 799-805.	3.0	9
54	Synthesis, surface characterization, and platelet reactivity evaluation for the self-assembled monolayer of alkanethiol with sulfonic acid functionality. Journal of Biomedical Materials Research Part B, 2000, 51, 413-423.	3.0	69

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55	Surface characterization and platelet adhesion studies on fluorocarbons prepared by plasma-induced graft polymerization. Journal of Biomaterials Science, Polymer Edition, 2000, 11, 701-714.	1.9	45
56	Surface properties and hemocompatibility of alkyl-siloxane monolayers supported on silicone rubber: effect of alkyl chain length and ionic functionality. Biomaterials, 1999, 20, 1533-1543.	5.7	84
57	Surface characterization and platelet adhesion studies of plasma polymerized phosphite and its copolymers with dimethylsulfate. Biomaterials, 1999, 20, 1439-1447.	5.7	23
58	Surface characterization and platelet adhesion studies on polyurethane surface immobilized with C60. Biomaterials, 1999, 20, 1613-1620.	5.7	25
59	In VitroFibrinogen 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
60	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
61	Surface characterization and ex vivo blood compatibility study of plasmamodified small diameter tubing: effect of sulphur dioxide and hexamethyl-disiloxane plasmas. Biomaterials, 1995, 16, 1017-1023.	5.7	73
62	Ex-vivo blood compatibility of silicone-containing biomaterials. Journal of Materials Science: Materials in Medicine, 1994, 5, 207-213.	1.7	18
63	Polyethylene Surface Sulfonation: Surface Characterization and Platelet Adhesion Studies. Journal of Colloid and Interface Science, 1994, 164, 99-106.	5.0	35
64	Surface Characterization and Platelet Adhesion Studies of Plasma-Carboxylated Polyethylene. Journal of Colloid and Interface Science, 1993, 156, 207-217.	5.0	40