

# Jui-Che Lin

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Investigations of silane-MDP interaction in universal adhesives: A ToF-SIMS analysis.. <i>Dental Materials</i> , <b>2021</b> , 38, 183-183	5.7	2
60	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> , <b>2021</b> , 168, 107946	4.2	1
59	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> , <b>2021</b> , 202, 111674	6	4
58	Sulfonation and Characterization of Tert-Butyl Styrene/Styrene/Isoprene Copolymer and Polypropylene Blends for Blood Compatibility Applications. <i>Polymers</i> , <b>2020</b> , 12,	4.5	1
57	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> , <b>2020</b> , 112, 110964	8.3	5
56	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> , <b>2020</b> , 31, 310-323	3.5	
55	Studies of surface grafted collagen and transforming growth factor $\beta$ 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>	4.1	2
54	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> , <b>2020</b> , 31, 2060-2077	3.5	0
53	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> , <b>2019</b> , 9, 7257-7265	3.7	11
52	Effects of silane- and MDP-based primers application orders on zirconia-resin adhesion-A ToF-SIMS study. <i>Dental Materials</i> , <b>2017</b> , 33, 923-933	5.7	47
51	A facile novel fluorocarbon copolymer solution coating process for improving platelet compatibility of titanium. <i>Materials Science and Engineering C</i> , <b>2017</b> , 80, 584-593	8.3	2
50	Studies of magnetic alginate-based electrospun matrices crosslinked with different methods for potential hyperthermia treatment. <i>Materials Science and Engineering C</i> , <b>2016</b> , 62, 338-49	8.3	13
49	Genetic Polymorphisms in Inflammasome-Dependent Innate Immunity among Pediatric Patients with Severe Renal Parenchymal Infections. <i>PLoS ONE</i> , <b>2015</b> , 10, e0140128	3.7	8
48	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> , <b>2015</b> , 26, 79	4.5	11
47	Water-based synthesis and processing of novel biodegradable elastomers for medical applications. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 5083-5092	7.3	66
46	In vitro characterization of magnetic electrospun IDA-grafted chitosan nanofiber composite for hyperthermic tumor cell treatment. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2013</b> , 24, 1152-63	3.5	15
45	Riboflavin-ultraviolet-A-induced collagen cross-linking treatments in improving dentin bonding. <i>Dental Materials</i> , <b>2013</b> , 29, 682-92	5.7	35

44	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> , <b>2013</b> , 101, 376-83	6	23
43	Platelet compatibility improvement by proper choice of acidic terminal functionality for mixed-charge self-assembled monolayers. <i>Langmuir</i> , <b>2012</b> , 28, 640-7	4	10
42	In vitro feasibility study of the use of a magnetic electrospun chitosan nanofiber composite for hyperthermia treatment of tumor cells. <i>Acta Biomaterialia</i> , <b>2012</b> , 8, 2704-11	10.8	99
41	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> , <b>2012</b> , 23, 233-50	3.5	8
40	Characteristics and cyto-compatibility of Collagen/CaP coatings on Ti6Al4V substrate. <i>Surface and Coatings Technology</i> , <b>2011</b> , 205, 4683-4689	4.4	11
39	Improving the surface biocompatibility with the use of mixed zwitterionic self-assembled monolayers prepared by a proper solvent. <i>Langmuir</i> , <b>2011</b> , 27, 7091-8	4	20
38	Argon-plasma-treated chitosan: surface characterization and initial attachment of osteoblasts. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2010</b> , 21, 563-79	3.5	13
37	Synthesis and characterization of poly(vinyl alcohol) membranes with quaternary ammonium groups for wound dressing. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2010</b> , 21, 429-43	3.5	11
36	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> , <b>2010</b> , 79, 156-63	6	11
35	Bioactivity and platelet adhesion study of a human thrombomodulin-immobilized nitinol surface. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2009</b> , 20, 807-19	3.5	16
34	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> , <b>2009</b> , 1413-1417	0.2	
33	Surface Characterization and In-vitro Blood Compatibility Study of the Mixed Self-assembled Monolayers. <i>IFMBE Proceedings</i> , <b>2009</b> , 1418-1421	0.2	1
32	Cometabolic degradation kinetics of TCE and phenol by <i>Pseudomonas putida</i> . <i>Chemosphere</i> , <b>2008</b> , 72, 1671-80	8.4	39
31	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> , <b>2008</b> , 19, 291-310	3.5	30
30	Study of sodium tripolyphosphate-crosslinked chitosan beads entrapped with <i>Pseudomonas putida</i> for phenol degradation. <i>Process Biochemistry</i> , <b>2008</b> , 43, 83-92	4.8	56
29	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> , <b>2007</b> , 82, 820-30	5.4	39
28	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> , <b>2007</b> , 28, 1355-66	15.6	36
27	Degradation of phenol and TCE using suspended and chitosan-bead immobilized <i>Pseudomonas putida</i> . <i>Journal of Hazardous Materials</i> , <b>2007</b> , 148, 660-70	12.8	97

26	Surface characterization and platelet compatibility evaluation of the binary mixed self-assembled monolayers. <i>Journal of Colloid and Interface Science</i> , <b>2007</b> , 308, 474-84	9.3	14
25	Synthesis and property evaluations of photocrosslinkable chitosan derivative and its photocopolymerization with poly(ethylene glycol). <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 100, 1794-1801	2.9	10
24	Design and fabrication of a TiO <sub>2</sub> /nano-silicon composite visible light photocatalyst. <i>Applied Surface Science</i> , <b>2006</b> , 253, 898-903	6.7	19
23	Feasibility evaluation of chitosan coatings on polyethylene tubing for biliary stent applications. <i>Journal of Applied Polymer Science</i> , <b>2005</b> , 97, 893-902	2.9	17
22	Feasibility of rapid quantitation of stratum corneum lipid content by Fourier transform infrared spectrometry. <i>Spectroscopy</i> , <b>2004</b> , 18, 423-431		10
21	MRI of gallstones with different compositions. <i>American Journal of Roentgenology</i> , <b>2004</b> , 182, 1513-9	5.4	49
20	Properties of phospholipid monolayer deposited on a fluorinated polyurethane. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2004</b> , 15, 957-69	3.5	7
19	Studies of sulfonated polyethylene for biliary stent application. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 92, 2450-2457	2.9	16
18	Characterization and blood coagulation evaluation of the water-soluble chitoooligosaccharides prepared by a facile fractionation method. <i>Biomacromolecules</i> , <b>2003</b> , 4, 1691-7	6.9	32
17	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> , <b>2001</b> , 55, 554-65		41
16	Preconditioning Gold Substrates Influences Organothiol Self-assembled Monolayer (SAM) Formation. <i>Journal of Colloid and Interface Science</i> , <b>2001</b> , 238, 259-266	9.3	25
15	Surface characterization and platelet adhesion studies on polyethylene surface with hirudin immobilization. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2001</b> , 12, 827-32	4.5	20
14	Surface characterization and platelet compatibility evaluation of surface-sulfonated chitosan membrane. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2001</b> , 12, 543-57	3.5	20
13	Studies of a novel human thrombomodulin immobilized substrate: surface characterization and anticoagulation activity evaluation. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2001</b> , 12, 1075-89	3.5	19
12	In vitro and in vivo studies for modified ethyl cyanoacrylate regimens for sclerotherapy. <i>Journal of Biomedical Materials Research Part B</i> , <b>2000</b> , 53, 799-805		9
11	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> , <b>2000</b> , 51, 413-23		64
10	Surface characterization and platelet adhesion studies on fluorocarbons prepared by plasma-induced graft polymerization. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2000</b> , 11, 701-14	3.5	38
9	Surface properties and hemocompatibility of alkyl-siloxane monolayers supported on silicone rubber: effect of alkyl chain length and ionic functionality. <i>Biomaterials</i> , <b>1999</b> , 20, 1533-43	15.6	76

8	Surface characterization and platelet adhesion studies of plasma polymerized phosphite and its copolymers with dimethylsulfate. <i>Biomaterials</i> , <b>1999</b> , 20, 1439-47	15.6	23
7	Surface characterization and platelet adhesion studies on polyurethane surface immobilized with C60. <i>Biomaterials</i> , <b>1999</b> , 20, 1613-20	15.6	25
6	In Vitro Fibrinogen Adsorption from Various Dilutions of Human Blood Plasma on Glow Discharge Modified Polyethylene. <i>Journal of Colloid and Interface Science</i> , <b>1996</b> , 182, 315-325	9.3	18
5	Surface characterization and ex vivo blood compatibility study of plasma-modified small diameter tubing: effect of sulphur dioxide and hexamethyldisiloxane plasmas. <i>Biomaterials</i> , <b>1995</b> , 16, 1017-23	15.6	62
4	Surface and blood-contacting properties of alkylsiloxane monolayers supported on silicone rubber. <i>Journal of Biomedical Materials Research Part B</i> , <b>1995</b> , 29, 535-48		28
3	Ex-vivo blood compatibility of silicone-containing biomaterials. <i>Journal of Materials Science: Materials in Medicine</i> , <b>1994</b> , 5, 207-213	4.5	15
2	Polyethylene Surface Sulfonation: Surface Characterization and Platelet Adhesion Studies. <i>Journal of Colloid and Interface Science</i> , <b>1994</b> , 164, 99-106	9.3	32
1	Surface Characterization and Platelet Adhesion Studies of Plasma-Carboxylated Polyethylene. <i>Journal of Colloid and Interface Science</i> , <b>1993</b> , 156, 207-217	9.3	37