

Ming-Fa Hsieh

List of Publications by Year in descending order

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82
papers

2,869
citations

186209

28
h-index

175177

52
g-index

86
all docs

86
docs citations

86
times ranked

4427
citing authors

#	ARTICLE	IF	CITATIONS
1	Epigallocatechin-3-Gallate-Loaded Liposomes Favor Anti-Inflammation of Microglia Cells and Promote Neuroprotection. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3037.	1.8	43
2	Electricity-producing <i>Staphylococcus epidermidis</i> counteracts <i>Cutibacterium acnes</i> . <i>Scientific Reports</i> , 2021, 11, 12001.	1.6	13
3	Cytoprotective Effect of Liposomal Puerarin on High Glucose-Induced Injury in Rat Mesangial Cells. <i>Antioxidants</i> , 2021, 10, 1177.	2.2	5
4	Therapeutic Efficacy of Subcutaneous and Intraperitoneal Injections of a Single Dose of Human Umbilical Mesenchymal Stem Cells in Acute and Chronic Colitis in a Mouse Model. <i>Journal of Medical and Biological Engineering</i> , 2020, 40, 82-90.	1.0	3
5	Mouse Abdominal Fat Depots Reduced by Butyric Acid-Producing <i>Leuconostoc mesenteroides</i> . <i>Microorganisms</i> , 2020, 8, 1180.	1.6	6
6	1,4-Disubstituted 1H-1,2,3-Triazoles for Renal Diseases: Studies of Viability, Anti-Inflammatory, and Antioxidant Activities. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3823.	1.8	18
7	Progress in Polymeric Nano-Medicines for Theranostic Cancer Treatment. <i>Polymers</i> , 2020, 12, 598.	2.0	72
8	Cysteine-Capped Hydrogels Incorporating Copper as Effective Antimicrobial Materials against Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Microorganisms</i> , 2020, 8, 149.	1.6	6
9	Recent advances in theranostic polymeric nanoparticles for cancer treatment: A review. <i>International Journal of Pharmaceutics</i> , 2020, 582, 119314.	2.6	106
10	Therapeutic effects of a single injection of human umbilical mesenchymal stem cells on acute and chronic colitis in mice. <i>Scientific Reports</i> , 2019, 9, 5832.	1.6	8
11	Protective mechanisms of resveratrol derivatives against TNF- α -induced inflammatory responses in rat mesangial cells. <i>Cytokine</i> , 2019, 113, 380-392.	1.4	13
12	Facile synthesis of indole heterocyclic compounds based micellar nano anti-cancer drugs. <i>RSC Advances</i> , 2018, 8, 37905-37914.	1.7	44
13	PLGA Microspheres Loaded with β -Cyclodextrin Complexes of Epigallocatechin-3-Gallate for the Anti-Inflammatory Properties in Activated Microglial Cells. <i>Polymers</i> , 2018, 10, 519.	2.0	16
14	Healing of Osteochondral Defects Implanted with Biomimetic Scaffolds of Poly(μ -Caprolactone)/Hydroxyapatite and Glycidyl-Methacrylate-Modified Hyaluronic Acid in a Minipig. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1125.	1.8	39
15	Microbiome precision editing: Using PEG as a selective fermentation initiator against methicillin-resistant <i>Staphylococcus aureus</i> . <i>Biotechnology Journal</i> , 2017, 12, .	1.8	31
16	Synthesis, characterization, and pharmacological studies of ferrocene-1H-1,2,3-triazole hybrids. <i>Journal of Molecular Structure</i> , 2017, 1146, 536-545.	1.8	41
17	Preparation, characterization of chitosan/bamboo charcoal/poly(methacrylate) composite beads. <i>Bulletin of Materials Science</i> , 2017, 40, 1179-1187.	0.8	9
18	Osteochondral Regeneration Induced by TGF- β 2 Loaded Photo Cross-Linked Hyaluronic Acid Hydrogel Infiltrated in Fused Deposition-Manufactured Composite Scaffold of Hydroxyapatite and Poly (Ethylene Glycol)-Block-Poly(μ -Caprolactone). <i>Polymers</i> , 2017, 9, 182.	2.0	20

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19	ID3024 Polymeric nanoparticles display bactericidal effect and selective fermentation for the treatment of acne vulgaris. <i>Biomedical Research and Therapy</i> , 2017, 4, 34.	0.3	0
20	The mPEG-PCL Copolymer for Selective Fermentation of <i>Staphylococcus lugdunensis</i> Against <i>Candida parapsilosis</i> in the Human Microbiome. <i>Journal of Microbial & Biochemical Technology</i> , 2016, 8, 259-265.	0.2	6
21	Bactericidal Effect of Lauric Acid-Loaded PCL-PEG-PCL Nano-Sized Micelles on Skin Commensal <i>Propionibacterium acnes</i> . <i>Polymers</i> , 2016, 8, 321.	2.0	30
22	An Online Chronic Diseases Consulting System: A Hyper Heuristic Algorithm Using Random and Greedy Strategy for Complex Scheduling Problems. <i>Journal of Medical Imaging and Health Informatics</i> , 2016, 6, 233-239.	0.2	0
23	513 Selective fermentation of probiotic <i>Staphylococcus lugdunensis</i> interferes with the growth of <i>Candida parapsilosis</i> in the human dandruff microbiome. <i>Journal of Investigative Dermatology</i> , 2016, 136, S90.	0.3	0
24	Improved accuracy of 3D-printed navigational template during complicated tibial plateau fracture surgery. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2015, 38, 109-117.	1.4	48
25	Analysis of Mild Functional Tricuspid Regurgitation in Patients with Mitral Stenosis and Mitral Regurgitation. <i>Journal of Medical Imaging and Health Informatics</i> , 2015, 5, 807-813.	0.2	0
26	The Osteogenesis of Bone Marrow Stem Cells on mPEG-PCL-mPEG/Hydroxyapatite Composite Scaffold via Solid Freeform Fabrication. <i>BioMed Research International</i> , 2014, 2014, 1-13.	0.9	28
27	Synthesis of Gelatin- β -Polyglutamic Acid-Based Hydrogel for the In Vitro Controlled Release of Epigallocatechin Gallate (EGCG) from <i>Camellia sinensis</i> . <i>Polymers</i> , 2014, 6, 39-58.	2.0	42
28	Endocytosis Pathways of the Folate Tethered Star-Shaped PEG-PCL Micelles in Cancer Cell Lines. <i>Polymers</i> , 2014, 6, 634-650.	2.0	23
29	<i>In situ</i> gelation of PEG-PLGA-PEG hydrogels containing high loading of hydroxyapatite: <i>in vitro</i> and <i>in vivo</i> characteristics. <i>Biomedical Materials (Bristol)</i> , 2014, 9, 015011.	1.7	18
30	Copper(II), nickel(II), and ruthenium(III) complexes of an oxopyrrolidine-based heterocyclic ligand as anticancer agents. <i>Journal of Coordination Chemistry</i> , 2014, 67, 2110-2130.	0.8	21
31	Anticancer metallodrugs of glutamic acid sulphonamides: <i>in silico</i> , DNA binding, hemolysis and anticancer studies. <i>RSC Advances</i> , 2014, 4, 29629-29641.	1.7	84
32	Development of oxopyrrolidine-based anti-cancer compounds: DNA binding, <i>in silico</i> , cell line studies, drug-likeness and mechanism at supra-molecular level. <i>Chemical Papers</i> , 2014, 68, .	1.0	14
33	Synthesis, DNA binding, hemolysis assays and anticancer studies of copper(II), nickel(II) and iron(III) complexes of a pyrazoline-based ligand. <i>Future Medicinal Chemistry</i> , 2013, 5, 135-146.	1.1	120
34	Curcumin-I Knoevenagel TM s condensates and their Schiff TM s bases as anticancer agents: Synthesis, pharmacological and simulation studies. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 3808-3820.	1.4	139
35	Biofabrication and <i>in vitro</i> study of hydroxyapatite/mPEG TM -PCL TM -mPEG scaffolds for bone tissue engineering using air pressure-aided deposition technology. <i>Materials Science and Engineering C</i> , 2013, 33, 680-690.	3.8	21
36	Solid freeform fabrication and <i>in-vitro</i> response of osteoblast cells of mPEG-PCL-mPEG bone scaffolds. <i>Biomedical Microdevices</i> , 2013, 15, 369-379.	1.4	14

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37	Tubular scaffolds of gelatin and poly(ϵ -caprolactone)-block-poly(γ -glutamic acid) blending hydrogel for the proliferation of the primary intestinal smooth muscle cells of rats. Biomedical Materials (Bristol), 2013, 8, 065002.	1.7	4
38	DOXORUBICIN-LOADED MICELLES OF Y-SHAPED PEG-(PCL) ₂ AGAINST DRUG-RESISTANT BREAST CANCER CELLS. Biomedical Engineering - Applications, Basis and Communications, 2013, 25, 1340009.	0.3	3
39	MESHED SCAFFOLDS MADE OF ϵ -BIS(2-HYDROXYETHYL METHACRYLATE) POLY(ETHYLENE GLYCOL) THROUGH 3D STEREO LITHOGRAPHY. Biomedical Engineering - Applications, Basis and Communications, 2013, 25, 1340002.	0.3	1
40	Curcumin-Loaded Chitosan/Gelatin Composite Sponge for Wound Healing Application. International Journal of Polymer Science, 2013, 2013, 1-7.	1.2	87
41	Targeted delivery of doxorubicin to human breast cancers by folate-decorated star-shaped PEG-PCL micelle. Journal of Materials Chemistry, 2012, 22, 1006-1020.	6.7	71
42	Title is missing!. Journal of Medical and Biological Engineering, 2012, 32, 215.	1.0	8
43	Doxorubicin-Loaded Nanosized Micelles of a Star-Shaped Poly(ϵ -Caprolactone)-Polyphosphoester Block Co-polymer for Treatment of Human Breast Cancer. Journal of Biomaterials Science, Polymer Edition, 2011, 22, 1409-1426.	1.9	29
44	Molecular Targeting of Liposomal Nano-Particles to Lymphatic System. Current Cancer Drug Targets, 2011, 11, 147-155.	0.8	17
45	Electrochemical corrosion protection studies of aniline-capped aniline trimer-based electroactive polyurethane coatings. Electrochimica Acta, 2011, 58, 614-620.	2.6	44
46	Eradication of drug resistant Staphylococcus aureus by liposomal oleic acids. Biomaterials, 2011, 32, 214-221.	5.7	162
47	Enhancement of catechin skin permeation via a newly fabricated mPEG-PCL-graft-2-hydroxycellulose membrane. Journal of Membrane Science, 2011, 371, 134-140.	4.1	18
48	Editorial [Hot Topics: The Prospects of Nanomaterials on Healthcare Technology (Guest Editor:) Tj ETQq0 0 0 rgBT /Overlock 0 Tf 50 30	0.7	0
49	Overcoming Multidrug Resistance of Breast Cancer Cells by the Micellar Doxorubicin Nanoparticles of mPEG-PCL-Graft-Cellulose. Journal of Nanoscience and Nanotechnology, 2011, 11, 53-60.	0.9	22
50	Doxorubicin-Loaded PEG-PCL-PEG Micelle Using Xenograft Model of Nude Mice: Effect of Multiple Administration of Micelle on the Suppression of Human Breast Cancer. Cancers, 2011, 3, 61-78.	1.7	68
51	Fabrication of synthesized PCL-PEG-PCL tissue engineering scaffolds using an air pressure-aided deposition system. Rapid Prototyping Journal, 2011, 17, 288-297.	1.6	38
52	An Innate Bactericidal Oleic Acid Effective Against Skin Infection of Methicillin-Resistant Staphylococcus aureus: A Therapy Concordant with Evolutionary Medicine. Journal of Microbiology and Biotechnology, 2011, 21, 391-399.	0.9	61
53	Application of gamma irradiation in ginseng for both photodegradation of pesticide pentachloronitrobenzene and microbial decontamination. Journal of Hazardous Materials, 2010, 176, 280-287.	6.5	20
54	Synthesis, <i>in vitro</i> macrophage response and detoxification of bamboo charcoal beads for purifying blood. Journal of Biomedical Materials Research - Part A, 2010, 94A, 1133-1140.	2.1	4

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55	Synthesis and characterization of PEG-PCL-PEG triblock copolymers as carriers of doxorubicin for the treatment of breast cancer. <i>Journal of Applied Polymer Science</i> , 2010, 117, 3694-3703.	1.3	12
56	The essentiality of Î±2-macroglobulin in human salivary innate immunity against new H1N1 swine origin influenza A virus. <i>Proteomics</i> , 2010, 10, 2396-2401.	1.3	40
57	Regulation of Particle Morphology of pH-Dependent Poly(Îµ-caprolactone)-Poly(Î³-glutamic acid) Micellar Nanoparticles to Combat Breast Cancer Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 6283-6297.	0.9	6
58	Tracking of Cellular Uptake of Hydrophilic CdSe/ZnS Quantum Dots/Hydroxyapatite Composites Nanoparticles in MC3T3-E1 Osteoblast Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 2758-2762.	0.9	22
59	Recent Advances in Pharmacokinetics of Polymeric Excipients Used in Nanosized Anti-Cancer Drugs. <i>Current Drug Metabolism</i> , 2009, 10, 842-850.	0.7	17
60	Development of a rapid and sensitive immunomagnetic-bead based assay for detecting <i>Bacillus cereus</i> in milk. <i>European Food Research and Technology</i> , 2009, 229, 73-81.	1.6	12
61	Overcoming Multidrug Resistance of Breast Cancer Cells by the Micellar Drug Carriers of mPEG-PCL-graft-cellulose. <i>IFMBE Proceedings</i> , 2009, , 1224-1227.	0.2	1
62	Recent Development in Nano-Sized Dosage Forms of Plant Alkaloid Camptothecin-Derived Drugs. <i>Recent Patents on Anti-Cancer Drug Discovery</i> , 2009, 4, 254-261.	0.8	8
63	Use of Nanoparticles as Therapy for Methicillin-Resistant <i>Staphylococcus aureus</i> Infections. <i>Current Drug Metabolism</i> , 2009, 10, 875-884.	0.7	25
64	Editorial: [Hot topic: The Metabolism of Nanotechnology-Based Drugs (Guest Editors: Ming-Fa Hsieh) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 0,7</i>	0.7	0
65	Effect of Crosslinkers on Physical Properties of Gelatin Hollow Tubes for Tissue Engineering Application. <i>IFMBE Proceedings</i> , 2009, , 293-296.	0.2	2
66	Comparative studies for the effect of dual- and mono-organic modifiers on the physical properties of polyimide-clay nanocomposite membranes. <i>Journal of Applied Polymer Science</i> , 2008, 109, 1730-1737.	1.3	8
67	Optoelectronic Characteristics of Inorganic/Organic Hybrid Device Based on Poly(N-vinylcarbazole)/Cadmium Selenide Thin Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 1330-1335.	0.9	26
68	Nano-Sized Micelles of Block Copolymers of Methoxy Poly(ethylene glycol)-Poly(<i>Îµ</i> -caprolactone). <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 2362-2368.	0.9	10
69	Preparation of gradually componential metal electrode on solution-casted Nafion [®] membrane. <i>New Biotechnology</i> , 2007, 24, 434-437.	2.7	15
70	Photo-luminescent hydroxyapatite coatings through a bio-mimetic process. <i>New Biotechnology</i> , 2007, 24, 459-461.	2.7	4
71	Advanced environmentally friendly anticorrosive materials prepared from water-based polyacrylate/Na ⁺ -MMT clay nanocomposite latexes. <i>European Polymer Journal</i> , 2007, 43, 4219-4228.	2.6	52
72	Antimicrobial effects and human gingival biocompatibility of hydroxyapatite sol-gel coatings. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006, 76B, 169-178.	1.6	95

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73	Thermogelling emulsions for vascular embolization and sustained release of drugs. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2005, 75B, 185-192.	1.6	35
74	Anti-Microbial Hydroxyapatite Particles Synthesized by a Sol-Gel Route. Journal of Sol-Gel Science and Technology, 2005, 33, 229-239.	1.1	79
75	Hydroxyapatite layers deposited from aqueous solutions on hydrophilic silicon substrate. Surface and Coatings Technology, 2003, 165, 194-200.	2.2	34
76	FTIR, XRD, SEM and solid state NMR investigations of carbonate-containing hydroxyapatite nano-particles synthesized by hydroxide-gel technique. Journal of Physics and Chemistry of Solids, 2003, 64, 193-199.	1.9	344
77	Hydroxyapatite coating on Ti6Al4V alloy using a sol-gel derived precursor. Materials Chemistry and Physics, 2002, 74, 245-250.	2.0	122
78	Formation Mechanisms of Sol-Gel-Derived Hydroxyapatite Using Different Thermal Processings. Journal of Sol-Gel Science and Technology, 2002, 23, 205-214.	1.1	5
79	Phase purity of sol-gel-derived hydroxyapatite ceramic. Biomaterials, 2001, 22, 2601-2607.	5.7	106
80	X-Ray Diffractometry and X-Ray Photoelectron Spectroscopy Investigations of Nanocrystalline Hydroxyapatite Synthesized by a Hydroxide Gel Technique. Japanese Journal of Applied Physics, 2001, 40, 5030-5035.	0.8	19
81	Gel-to-Ceramic Conversion during Hydroxyapatite Synthesis. Journal of the American Ceramic Society, 2001, 84, 2123-2125.	1.9	9
82	Micro-Lithographic Fabrication of Collagen and Hyaluronic Acid Hydrogel Scaffolds. Advanced Materials Research, 0, 647, 170-175.	0.3	1