

Lin-Ping Wu

List of Publications by Year in descending order

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60
papers

3,343
citations

117625

34
h-index

144013

57
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62
all docs

62
docs citations

62
times ranked

4820
citing authors

#	ARTICLE	IF	CITATIONS
1	Complement proteins bind to nanoparticle protein corona and undergo dynamic exchange in vivo. <i>Nature Nanotechnology</i> , 2017, 12, 387-393.	31.5	411
2	Nanotechnologies for Alzheimer's disease: diagnosis, therapy, and safety issues. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 521-540.	3.3	240
3	Dendrimers in Medicine: Therapeutic Concepts and Pharmaceutical Challenges. <i>Bioconjugate Chemistry</i> , 2015, 26, 1198-1211.	3.6	193
4	Production and characterization of poly(3-hydroxypropionate-co-4-hydroxybutyrate) with fully controllable structures by recombinant <i>Escherichia coli</i> containing an engineered pathway. <i>Metabolic Engineering</i> , 2012, 14, 317-324.	7.0	116
5	Engineering <i>Halomonas bluephagenesis</i> TD01 for non-sterile production of poly(3-hydroxybutyrate-co-4-hydroxybutyrate). <i>Bioresource Technology</i> , 2017, 244, 534-541.	9.6	114
6	Synthesis of Diblock copolymer poly-3-hydroxybutyrate -block-poly-3-hydroxyhexanoate [PHB-b-PHHx] by a β -oxidation weakened <i>Pseudomonas putida</i> KT2442. <i>Microbial Cell Factories</i> , 2012, 11, 44.	4.0	105
7	Crossing the blood-brain-barrier with nanoligand drug carriers self-assembled from a phage display peptide. <i>Nature Communications</i> , 2019, 10, 4635.	12.8	98
8	Biosynthesis and Characterization of Polyhydroxyalkanoate Block Copolymer P3HB- <i>b</i> -P4HB. <i>Biomacromolecules</i> , 2011, 12, 3166-3173.	5.4	97
9	Grand challenges in nanomedicine. <i>Materials Science and Engineering C</i> , 2020, 106, 110302.	7.3	90
10	Tumour exosomes display differential mechanical and complement activation properties dependent on malignant state: implications in endothelial leakiness. <i>Journal of Extracellular Vesicles</i> , 2015, 4, 29685.	12.2	86
11	C1q-Mediated Complement Activation and C3 Opsonization Trigger Recognition of Stealth Poly(2-methyl-2-oxazoline)-Coated Silica Nanoparticles by Human Phagocytes. <i>ACS Nano</i> , 2018, 12, 5834-5847.	14.6	86
12	Modulatory Role of Surface Coating of Superparamagnetic Iron Oxide Nanoworms in Complement Opsonization and Leukocyte Uptake. <i>ACS Nano</i> , 2015, 9, 10758-10768.	14.6	82
13	Mechanisms of complement activation by dextran-coated superparamagnetic iron oxide (SPIO) nanoworms in mouse versus human serum. <i>Particle and Fibre Toxicology</i> , 2014, 11, 64.	6.2	79
14	A structurally diverse library of safe-by-design citrem-phospholipid lamellar and non-lamellar liquid crystalline nano-assemblies. <i>Journal of Controlled Release</i> , 2016, 239, 1-9.	9.9	76
15	Hyperproduction of poly(4-hydroxybutyrate) from glucose by recombinant <i>Escherichia coli</i> . <i>Microbial Cell Factories</i> , 2012, 11, 54.	4.0	71
16	Microbial Synthesis of Functional Homo-, Random, and Block Polyhydroxyalkanoates by β -Oxidation Deleted <i>Pseudomonas entomophila</i> . <i>Biomacromolecules</i> , 2014, 15, 2310-2319.	5.4	70
17	Overcoming Nanoparticle-Mediated Complement Activation by Surface PEG Pairing. <i>Nano Letters</i> , 2020, 20, 4312-4321.	9.1	70
18	<i>Pseudomonas putida</i> KT2442 as a platform for the biosynthesis of polyhydroxyalkanoates with adjustable monomer contents and compositions. <i>Bioresource Technology</i> , 2013, 142, 225-231.	9.6	68

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19	Biosynthesis, Characterization, and Hemostasis Potential of Tailor-Made Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) Produced by <i>Haloferax mediterranei</i> . <i>Biomacromolecules</i> , 2015, 16, 578-588.	5.4	67
20	High resolution respirometry analysis of polyethylenimine-mediated mitochondrial energy crisis and cellular stress: Mitochondrial proton leak and inhibition of the electron transport system. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013, 1827, 1213-1225.	1.0	63
21	Modulatory Effect of Human Plasma on the Internal Nanostructure and Size Characteristics of Liquid-Crystalline Nanocarriers. <i>Langmuir</i> , 2015, 31, 5042-5049.	3.5	59
22	Synthesis, characterization and biocompatibility of novel biodegradable poly(((R)-3-hydroxybutyrate)-block-(D,L-lactide)-block-(μ -caprolactone)) triblock copolymers. <i>Polymer International</i> , 2008, 57, 939-949.	3.5	49
23	Biosynthesis and Characterization of Diblock Copolymer of P(3-Hydroxypropionate)-P(4-hydroxybutyrate) from Recombinant <i>Escherichia coli</i> . <i>Biomacromolecules</i> , 2013, 14, 862-870.	5.4	53
24	Biodegradation and biocompatibility of haloarchaea-produced poly(3-hydroxybutyrate-co-3-hydroxyvalerate) copolymers. <i>Biomaterials</i> , 2017, 139, 172-186.	11.4	50
25	Synthesis, Characterization and Biocompatibility of Biodegradable Elastomeric Poly(ether-ester) Tj ETQq1 1 0.784314 rgBT /Overlock Melting Polymerization. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2009, 20, 1179-1202.	3.5	49
26	Synthesis, Characterization and Application of Thermoresponsive Polyhydroxyalkanoate-graft-Poly(N-isopropylacrylamide). <i>Biomacromolecules</i> , 2016, 17, 2680-2690.	5.4	49
27	Benzene containing polyhydroxyalkanoates homo- and copolymers synthesized by genome edited <i>Pseudomonas entomophila</i> . <i>Science China Life Sciences</i> , 2014, 57, 4-10.	4.9	48
28	Production of poly(3-hydroxypropionate) and poly(3-hydroxybutyrate-co-3-hydroxypropionate) from glucose by engineering <i>Escherichia coli</i> . <i>Metabolic Engineering</i> , 2015, 29, 189-195.	7.0	45
29	Activation of Human Complement System by Dextran-Coated Iron Oxide Nanoparticles Is Not Affected by Dextran/Fe Ratio, Hydroxyl Modifications, and Crosslinking. <i>Frontiers in Immunology</i> , 2016, 7, 418.	4.8	43
30	Anti-infective biomaterials with surface-decorated tachyplesin I. <i>Biomaterials</i> , 2018, 178, 351-362.	11.4	42
31	Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) Nanoparticles with Polyethylenimine Coat as Simple, Safe, and Versatile Vehicles for Cell Targeting: Population Characteristics, Cell Uptake, and Intracellular Trafficking. <i>Advanced Healthcare Materials</i> , 2014, 3, 817-824.	7.6	41
32	Comparison of four phaC genes from <i>Haloferax mediterranei</i> and their function in different PHBV copolymer biosyntheses in <i>Haloarcula hispanica</i> . <i>Saline Systems</i> , 2010, 6, 9.	2.0	40
33	Blending and characterizations of microbial poly(3-hydroxybutyrate) with dendrimers. <i>Journal of Applied Polymer Science</i> , 2006, 102, 3782-3790.	2.6	37
34	Comb-like temperature-responsive polyhydroxyalkanoate-graft-poly(2-dimethylamino-ethylmethacrylate) for controllable protein adsorption. <i>Polymer Chemistry</i> , 2016, 7, 5957-5965.	3.9	35
35	ImmunoPEGLiposome-mediated reduction of blood and brain amyloid levels in a mouse model of Alzheimer's disease is restricted to aged animals. <i>Biomaterials</i> , 2017, 112, 141-152.	11.4	32
36	Synthesis, characterizations and biocompatibility of novel biodegradable star block copolymers based on poly[(R)-3-hydroxybutyrate] and poly(μ -caprolactone). <i>Acta Biomaterialia</i> , 2010, 6, 1079-1089.	8.3	31

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37	Fabrication of carbon nanotube (CNT)/poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) (PHBHHx) nanocomposite films for human mesenchymal stem cell (hMSC) differentiation. <i>Polymer Chemistry</i> , 2013, 4, 4490.	3.9	31
38	Engineering <i>Pseudomonas entomophila</i> for synthesis of copolymers with defined fractions of 3-hydroxybutyrate and medium-chain-length 3-hydroxyalkanoates. <i>Metabolic Engineering</i> , 2019, 52, 253-262.	7.0	26
39	Nanomaterials for delivery of nucleic acid to the central nervous system (CNS). <i>Materials Science and Engineering C</i> , 2017, 70, 1039-1046.	7.3	25
40	Differential Modulation of Cellular Bioenergetics by Poly(L-lysine)s of Different Molecular Weights. <i>Biomacromolecules</i> , 2015, 16, 2119-2126.	5.4	24
41	Microbial synthesis of a novel terpolyester P(LA-co- β -HB- β -HP) from low-cost substrates. <i>Microbial Biotechnology</i> , 2017, 10, 371-380.	4.2	24
42	Synthesis and Characterization of Electroconductive PHA-graft-Graphene Nanocomposites. <i>Biomacromolecules</i> , 2019, 20, 645-652.	5.4	23
43	Polycation-Mediated Integrated Cell Death Processes. <i>Advances in Genetics</i> , 2014, 88, 353-398.	1.8	21
44	Prevention of excessive scar formation using nanofibrous meshes made of biodegradable elastomer poly(3-hydroxybutyrate-co-3-hydroxyvalerate). <i>Journal of Tissue Engineering</i> , 2020, 11, 204173142094933.	5.5	21
45	Polyester based nanovehicles for siRNA delivery. <i>Materials Science and Engineering C</i> , 2018, 92, 1006-1015.	7.3	20
46	Poly-(amidoamine) dendrimers with a precisely core positioned sulforhodamine B molecule for comparative biological tracing and profiling. <i>Journal of Controlled Release</i> , 2017, 246, 88-97.	9.9	18
47	Change of choline compounds in sodium selenite-induced apoptosis of rats used as quantitative analysis by in vitro 9.4T MR spectroscopy. <i>World Journal of Gastroenterology</i> , 2008, 14, 3891.	3.3	18
48	Dendrimer end-terminal motif-dependent evasion of human complement and complement activation through IgM hitchhiking. <i>Nature Communications</i> , 2021, 12, 4858.	12.8	14
49	Hair follicle-derived mesenchymal stem cells decrease alopecia areata mouse hair loss and reduce inflammation around the hair follicle. <i>Stem Cell Research and Therapy</i> , 2021, 12, 548.	5.5	14
50	Integrin-Targeted, Short Interfering RNA Nanocomplexes for Neuroblastoma Tumor-Specific Delivery Achieve MYCN Silencing with Improved Survival. <i>Advanced Functional Materials</i> , 2021, 31, 2104843.	14.9	12
51	Poly(lactide-co-glycolide) Nanoparticles Mediate Sustained Gene Silencing and Improved Biocompatibility of siRNA Delivery Systems in Mouse Lungs after Pulmonary Administration. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3722-3737.	8.0	12
52	Live-cell fluorescent microscopy platforms for real-time monitoring of polyplex-cell interaction: Basic guidelines. <i>Methods</i> , 2014, 68, 300-307.	3.8	10
53	Environmental biodegradation of haloarchaea-produced poly(3-hydroxybutyrate-co-3-hydroxyvalerate) in activated sludge. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 6893-6902.	3.6	7
54	Cationic Nanomaterials for Autoimmune Diseases Therapy. <i>Frontiers in Pharmacology</i> , 2021, 12, 762362.	3.5	7

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55	Insidious pathogen-mimicking properties of nanoparticles in triggering the lectin pathway of the complement system. <i>European Journal of Nanomedicine</i> , 2015, 7, .	0.6	6
56	Recognition of extremophilic archaeal viruses by eukaryotic cells: a promising nanoplatfrom from the third domain of life. <i>Scientific Reports</i> , 2016, 6, 37966.	3.3	5
57	Interaction of extremophilic archaeal viruses with human and mouse complement system and viral biodistribution in mice. <i>Molecular Immunology</i> , 2017, 90, 273-279.	2.2	5
58	Perturbation of mitochondrial bioenergetics by polycations counteracts resistance to BRAFE600 inhibition in melanoma cells. <i>Journal of Controlled Release</i> , 2019, 309, 158-172.	9.9	3
59	Human serum albumin nanoparticles loaded with phthalocyanine dyes for potential use in photodynamic therapy for atherosclerotic plaques. <i>Precision Nanomedicine</i> , 2019, 2, 279-302.	0.8	3
60	Advanced Applications of Lignin-based Materials. <i>Sustainable Chemistry Series</i> , 2018, , 169-205.	0.1	2