Jeng-Shiung Jan

List of Publications by Year
in descending order

84 papers	1,656 citations	318942 23 h-index	425179 34 g-index
84 all docs	84 docs citations	84 times ranked	2184 citing authors

#	Article	IF	Citations
1	Lithium battery enhanced by the combination of in-situ generated poly(ionic liquid) systems and TiO2 nanoparticles. Journal of Membrane Science, 2022, 641, 119891.	4.1	13
2	Design of networked solid-state polymer as artificial interlayer and solid polymer electrolyte for lithium metal batteries. Chemical Engineering Journal, 2022, 431, 133442.	6.6	16
3	Ternary-salt gel polymer electrolyte for anode-free lithium metal batteries with an untreated Cu substrate. Journal of Materials Chemistry A, 2022, 10, 4895-4905.	5.2	16
4	Effect of oilâ€“water interface and payload-DNA interactions on payload-encapsulated DNA nanogels. Journal of Polymer Research, 2022, 29, 1.	1.2	4
5	Effect of tethered sheet-like motif and asymmetric topology on hydrogelation of star-shaped block copolypeptides. Polymer, 2022, 250, 124864.	1.8	5
6	Incorporation of Glutamic Acid or Amino-Protected Glutamic Acid into Poly(Glycerol Sebacate): Synthesis and Characterization. Polymers, 2022, 14, 2206.	2.0	3
7	Synthesis and Hydrogelation of Star-Shaped Graft Copolypetides with Asymmetric Topology. Gels, 2022, 8, 366.	2.1	1
8	Postinjection gelation of an electrolyte with high storage permittivity and low loss permittivity for electrochemical capacitors. Journal of Power Sources, 2021, 481, 228869.	4.0	12
9	In situ formation of polymer electrolytes using a dicationic imidazolium cross-linker for high-performance lithium ion batteries. Journal of Materials Chemistry A, 2021, 9, 5796-5806.	5.2	16
10	Highly stable interface formation in onsite coagulation dual-salt gel electrolyte for lithium-metal batteries. Journal of Materials Chemistry A, 2021, 9, 5675-5684.	5.2	12
11	Biomineralization of mesoporous silica and metal nanoparticle/mesoporous silica nanohybrids by chemo-enzymatically prepared peptides. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 610, 125753.	2.3	5
12	Antioxidant activity of linear and star-shaped polypeptides modified with dopamine and glutathione. European Polymer Journal, 2021, 152, 110497.	2.6	6
13	Block length and topology affect self-assembly and gelation of poly(l-lysine)-block-poly(S-benzyl-l-cysteine) block copolypeptides. Polymer, 2021, 228, 123891.	1.8	12
14	Polypeptide Composition and Topology Affect Hydrogelation of Star-Shaped Poly(L-lysine)-Based Amphiphilic Copolypeptides. Gels, 2021, 7, 131.	2.1	10
15	A scaffold membrane of solid polymer electrolytes for realizing high-stability and dendrite-free lithium-metal batteries. Journal of Materials Chemistry A, 2021, 9, 25408-25417.	5.2	13
16	ZnO-loaded DNA nanogels as neutrophil extracellular trap-like structures in the treatment of mouse peritonitis. Materials Science and Engineering C, 2021, 131, 112484.	3.8	6
17	In Situ Polymerized Electrolytes with Fully Cross-Linked Networks Boosting High Ionic Conductivity and Capacity Retention for Lithium Ion Batteries. ACS Applied Energy Materials, 2021, 4, 14309-14322.	2.5	8
18	Advances in the Application of Nanomaterials as Treatments for Bacterial Infectious Diseases. Pharmaceutics, 2021, 13, 1913.	2.0	9

#	Article	IF	Citations
19	In situ formation of silver nanoparticles-contained gelatin-PEG-dopamine hydrogels via enzymatic cross-linking reaction for improved antibacterial activities. International Journal of Biological Macromolecules, 2020, 146, 1050-1059.	3.6	32
20	On-site-coagulation gel polymer electrolytes with a high dielectric constant for lithium-ion batteries. Journal of Power Sources, 2020, 480, 228802.	4.0	16
21	Peptide Fibrillar Assemblies Exhibit Membranolytic Effects and Antimetastatic Activity on Lung Cancer Cells. Biomacromolecules, 2020, 21, 3836-3846.	2.6	5
22	Biomimetic hydrogels based on L-Dopa conjugated gelatin as pH-responsive drug carriers and antimicrobial agents. Colloids and Surfaces B: Biointerfaces, 2020, 196, 111316.	2.5	29
23	Naturally derived DNA nanogels as pH- and glutathione-triggered anticancer drug carriers. Materials Science and Engineering C, 2020, 114, 111025.	3.8	16
24	Antibacterial polypeptide/heparin composite hydrogels carrying growth factor for wound healing. Materials Science and Engineering C, 2020, 112, 110923.	3.8	22
25	Synthesis, thermal properties and rheological behaviors of novel Poly(ethylene glycol) segmented Poly(arylene ether)s. Polymer, 2020, 196, 122426.	1.8	3
26	Catalase immobilized in polypeptide/silica nanocomposites via emulsion and biomineralization with improved activities. International Journal of Biological Macromolecules, 2020, 159, 931-940.	3.6	14
27	Green synthesis of gold nanoparticle/gelatin/protein nanogels with enhanced bioluminescence/biofluorescence. Materials Science and Engineering C, 2019, 105, 110101.	3.8	24
28	Use of Aligned Microscale Sacrificial Fibers in Creating Biomimetic, Anisotropic Poly(glycerol) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	2.0	8
29	Star-shaped polypeptides exhibit potent antibacterial activities. Nanoscale, 2019, 11, 11696-11708.	2.8	55
30	TRAIL encapsulated to polypeptide-crosslinked nanogel exhibits increased anti-inflammatory activities in Klebsiella pneumoniae-induced sepsis treatment. Materials Science and Engineering C, 2019, 102, 85-95.	3.8	27
31	Polymer electrolytes based on Poly(VdF-co-HFP)/ionic liquid/carbonate membranes for high-performance lithium-ion batteries. Polymer, 2019, 173, 110-118.	1.8	13
32	Synthesis of silica/polypeptide hybrid nanomaterials and mesoporous silica by molecular replication of sheet-like polypeptide complexes through biomimetic mineralization. Journal of Colloid and Interface Science, 2019, 542, 243-252.	5.0	20
33	Preparation of aligned poly(glycerol sebacate) fibrous membranes for anisotropic tissue engineering. Materials Science and Engineering C, 2019, 100, 30-37.	3.8	22
34	The JAK inhibitor antcin H exhibits direct anticancer activity while enhancing chemotherapy against LMP1-expressed lymphoma. Leukemia and Lymphoma, 2019, 60, 1193-1203.	0.6	13
35	Disulfide-cross-linked PEG-block-polypeptide nanoparticles with high drug loading content as glutathione-triggered anticancer drug nanocarriers. Colloids and Surfaces B: Biointerfaces, 2018, 165, 172-181.	2.5	25
36	Zwitterionic polypeptides bearing carboxybetaine and sulfobetaine: synthesis, self-assembly, and their interactions with proteins. Polymer Chemistry, 2018, 9, 1178-1189.	1.9	22

#	Article	IF	Citations
37	Broadband Antireflection Coatings Based on Low Surface Energy/Refractive Index Silica/Fluorinated Polymer Nanocomposites. ACS Applied Nano Materials, 2018, 1, 741-750.	2.4	10
38	Minimization of Ionâ€“Solvent Clusters in Gel Electrolytes Containing Graphene Oxide Quantum Dots for Lithiumâ€Ion Batteries. Small, 2018, 14, e1703571.	5.2	43
39	Fabrication of a mechanically anisotropic poly(glycerol sebacate) membrane for tissue engineering. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 760-770.	1.6	18
40	Self-Assembly and Hydrogelation of Coilâ€“Sheet Poly(<scp>l</scp>-lysine)-block-poly(<scp>l</scp>-threonine) Block Copolypeptides. Macromolecules, 2018, 51, 8054-8063.	2.2	22
41	Synthesis and hydrogelation of star-shaped poly(l-lysine) polypeptides modified with different functional groups. Polymer, 2018, 151, 108-116.	1.8	18
42	Cell-targeted, dual reduction- and pH-responsive saccharide/lipoic acid-modified poly(L-lysine) and poly(acrylic acid) polyionic complex nanogels for drug delivery. Colloids and Surfaces B: Biointerfaces, 2017, 153, 244-252.	2.5	34
43	One-dimensional poly(L-lysine)-block-poly(L-threonine) assemblies exhibit potent anticancer activity by enhancing membranolysis. Acta Biomaterialia, 2017, 55, 283-295.	4.1	22
44	Nanogels comprising reduction-cleavable polymers for glutathione-induced intracellular curcumin delivery. Journal of Polymer Research, 2017, 24, 1.	1.2	10
45	Cross-linked polypeptide-based gel particles by emulsion for efficient protein encapsulation. Polymer, 2017, 115, 261-272.	1.8	23
46	Diode-like gel polymer electrolytes for full-cell lithium ion batteries. Journal of Materials Chemistry A, 2017, 5, 17476-17481.	5.2	19
47	Biomimetic Synthesis of Antireflective Silica/Polymer Composite Coatings Comprising Vesicular Nanostructures. ACS Applied Materials & Interfaces, 2016, 8, 26309-26318.	4.0	12
48	Alkyl-poly(<scp>l</scp>-threonine)/Cyclodextrin Supramolecular Hydrogels with Different Molecular Assemblies and Gel Properties. ACS Macro Letters, 2016, 5, 1201-1205.	2.3	26
49	Fabrication of poly(glycerol sebacate) fibrous membranes by coaxial electrospinning: Influence of shell and core solutions. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 63, 220-231.	1.5	30
50	Activation of tumor suppressor p53 gene expression by magnetic thymine-imprinted chitosan nanoparticles. Chemical Communications, 2016, 52, 2137-2140.	2.2	20
51	Reduction- and pH-Sensitive lipoic acid-modified Poly(l-lysine) and polypeptide/silica hybrid hydrogels/nanogels. Polymer, 2016, 86, 32-41.	1.8	57
52	Synthesis of antireflective silica coatings through the synergy of polypeptide layer-by-layer assemblies and biomineralization. Nanoscale, 2016, 8, 2367-2377.	2.8	14
53	Molecular assembly of alkyl chain-grafted poly(<scp>l</scp>-lysine) tuned by backbone chain length and grafted alkyl chain. RSC Advances, 2015, 5, 22783-22791.	1.7	13
54	Bioactive saccharide-conjugated polypeptide micelles for acid-triggered doxorubicin delivery. Journal of Materials Chemistry B, 2015, 3, 5220-5231.	2.9	13

#	Article	IF	Citations
55	Recognition of Rhodobacter sphaeroides by microcontact-imprinted poly(ethylene-co-vinyl alcohol). Colloids and Surfaces B: Biointerfaces, 2015, 135, 394-399.	2.5	11
56	Genipin cross-linked PEG-block-poly(<scp>l</scp>-lysine)/disulfide-based polymer complex micelles as fluorescent probes and pH-/redox-responsive drug vehicles. RSC Advances, 2015, 5, 87098-87107.	1.7	11
57	Polyelectrolyte complex-silica hybrid colloidal particles decorated with different polyelectrolytes. Journal of Colloid and Interface Science, 2015, 438, 94-101.	5.0	13
58	Probing conformational transitions of polymer chains by microrheology. Polymer, 2014, 55, 3168-3177.	1.8	7
59	Carboxylmethyl chitosan-graft-poly(Î³-benzyl-l-glutamate) glycopeptides: Synthesis and particle formation as encapsulants. Polymer, 2014, 55, 540-549.	1.8	18
60	Crossâ€Linked, Selfâ€Fluorescent Gold Nanoparticle/Polypeptide Nanocapsules Comprising Dityrosine for Protein Encapsulation and Labelâ€Free Imaging. Small, 2014, 10, 1939-1944.	5.2	58
61	Shell and core cross-linked poly(<scp>l</scp>-lysine)/poly(acrylic acid) complex micelles. Soft Matter, 2014, 10, 9568-9576.	1.2	23
62	Alkyl Chain-Grafted Poly(<scp>l</scp>-lysine) Vesicles with Tunable Molecular Assembly and Membrane Permeability. ACS Macro Letters, 2014, 3, 220-223.	2.3	37
63	Genipin-cross-linked poly(l-lysine)-based hydrogels: Synthesis, characterization, and drug encapsulation. Colloids and Surfaces B: Biointerfaces, 2013, 111, 423-431.	2.5	34
64	Examining the inhibitory actions of copolypeptides against amyloid fibrillogenesis of bovine insulin. Biochemical Engineering Journal, 2013, 78, 181-188.	1.8	1
65	Poly(<scp>l</scp>-glutamic acid)-Decorated Hybrid Colloidal Particles from Complex Particle-Templated Silica Mineralization. Journal of Physical Chemistry B, 2013, 117, 10007-10016.	1.2	12
66	The studies of poly (amino acid) assisted synthesis of gold nanoparticles. , 2013, , .		0
67	Bioactive vesicles from saccharide- and hexanoyl-modified poly(l-lysine) copolypeptides and evaluation of the cross-linked vesicles as carriers of doxorubicin for controlled drug release. European Polymer Journal, 2013, 49, 726-737.	2.6	24
68	Synthesis of Gold Nanowire Networks and Nanoparticles by Tyrosine Reduction of Chloroaurate. Journal of Nanoscience and Nanotechnology, 2012, 12, 2802-2809.	0.9	5
69	Curcumin's pre-incubation temperature affects its inhibitory potency toward amyloid fibrillation and fibril-induced cytotoxicity of lysozyme. Biochimica Et Biophysica Acta - General Subjects, 2012, 1820, 1774-1786.	1.1	36
70	Silicification of Genipin-Cross-Linked Polypeptide Hydrogels Toward Biohybrid Materials and Mesoporous Oxides. ACS Applied Materials & Interfaces, 2012, 4, 6865-6874.	4.0	26
71	Lysine-block-tyrosine block copolypeptides: Self-assembly, cross-linking, and conjugation of targeted ligand for drug encapsulation. Polymer, 2012, 53, 913-922.	1.8	38
72	Effects of copolypeptides on amyloid fibrillation of hen eggâ€white lysozyme. Biopolymers, 2012, 97, 107-116.	1.2	15

#	Article	IF	Citations
73	Alkyl chain grafted poly(l-lysine): self-assembly and biomedical application as carriers. Soft Matter, 2011, 7, 3975.	1.2	36
74	Layer-by-Layer Polypeptide Macromolecular Assemblies-Mediated Synthesis of Mesoporous Silica and Gold Nanoparticle/Mesoporous Silica Tubular Nanostructures. Langmuir, 2011, 27, 2834-2843.	1.6	37
75	Layer-by-Layer Assembled Titania Tubular Nanostructures at Different Assembly Conditions. Journal of Nanoscience and Nanotechnology, 2011, 11, 5247-5257.	0.9	3
76	Bioassisted synthesis of catalytic gold/silica nanotubes using layer-by-layer assembled polypeptide templates. Journal of Colloid and Interface Science, 2011, 358, 409-415.	5.0	22
77	Synthesis of Gold Nanoparticle/Silica Nanostructures. Materials Science Forum, 2011, 688, 321-325.	0.3	0
78	Self-propulsion and dispersion of reactive colloids due to entropic anisotropy. Journal of Fluid Mechanics, 2010, 657, 64-88.	1.4	5
79	Efficient and stable enzyme immobilization in a block copolypeptide vesicle-templated biomimetic silica support. Colloids and Surfaces B: Biointerfaces, 2010, 80, 51-58.	2.5	36
80	Supramolecular assembly of lysine-b-glycine block copolypeptides at different solution conditions. Supramolecular Chemistry, 2010, 22, 178-185.	1.5	42
81	Microrheological Study of Polyelectrolyte Collapse and Reexpansion in the Presence of Multivalent Counterions. Macromolecules, 2008, 41, 6517-6522.	2.2	34
82	Biomimetic Synthesis of Inorganic Nanospheres. Chemistry of Materials, 2005, 17, 4310-4317.	3.2	95
83	Helical poly-l-glutamic acid templated nanoporous aluminium oxides. Chemical Communications, 2005, , 2137.	2.2	12
84	Polyethylene failure in New Jersey low-contact stress total knee arthroplasty. , 1998, 39, 153-160.		28