Chih-Chia Cheng

List of Publications by Year
in descending order

98	1,831	236925 25	377865 34
papers	citations	h-index	g-index

98	98	98	2032
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Manipulating the self-assembly behavior of graphene nanosheets via adenine-functionalized biodegradable polymers. Applied Surface Science, 2022, 572, 151437.	6.1	6
2	Immobilization of Air-Stable Copper Nanoparticles on Graphene Oxide Flexible Hybrid Films for Smart Clothes. Polymers, 2022, 14, 237.	4.5	4
3	Controlling the Hierarchical Structures of Molybdenum Disulfide Nanomaterials via Self-Assembly of Supramolecular Polymers in Water. Chemistry of Materials, 2022, 34, 3333-3345.	6.7	2
4	Piezoelectric Property Enhancement of PZT/Poly(vinylidenefluoride-co-trifluoroethylene) Hybrid Films for Flexible Piezoelectric Energy Harvesters. ACS Omega, 2022, 7, 793-803.	3.5	25
5	Conductive Supramolecular Polymer Nanocomposites with Tunable Properties to Manipulate Cell Growth and Functions. International Journal of Molecular Sciences, 2022, 23, 4332.	4.1	5
6	PAMAM Dendritic Nanoparticle-Incorporated Hydrogel to Enhance the Immunogenic Cell Death and Immune Response of Immunochemotherapy. ACS Biomaterials Science and Engineering, 2022, 8, 2403-2418.	5.2	8
7	Inducing Silver Nanoparticles on Supramolecular Functionalized Boron Nitride Nanosheets for Photocatalytic Removal of Reactive Blue Dyes. Journal of Nanomaterials, 2022, 2022, 1-13.	2.7	0
8	Water-Soluble Single-Chain Polymeric Nanoparticles for Highly Selective Cancer Chemotherapy. ACS Applied Polymer Materials, 2021, 3, 474-484.	4.4	18
9	Enhanced Thermal Conductivity of Epoxy Composites Filled with Al2O3/Boron Nitride Hybrids for Underfill Encapsulation Materials. Polymers, 2021, 13, 147.	4.5	38
10	Programmed exfoliation of hierarchical graphene nanosheets mediated by dynamic self-assembly of supramolecular polymers. Materials Chemistry Frontiers, 2021, 5, 6998-7011.	5.9	1
11	Self-assembled nanoparticles formed via complementary nucleobase pair interactions between drugs and nanocarriers for highly efficient tumor-selective chemotherapy. Materials Chemistry Frontiers, 2021, 5, 5442-5451.	5.9	6
12	Mercury-containing supramolecular micelles with highly sensitive pH-responsiveness for selective cancer therapy. Acta Biomaterialia, 2021, 129, 235-244.	8.3	13
13	Hydrogen Bond Strength-Mediated Self-Assembly of Supramolecular Nanogels for Selective and Effective Cancer Treatment. Biomacromolecules, 2021, 22, 4446-4457.	5.4	11
14	Polymer-Assisted Dispersion of Boron Nitride/Graphene in a Thermoplastic Polyurethane Hybrid for Cooled Smart Clothes. ACS Omega, 2021, 6, 28779-28787.	3.5	13
15	Photo-Responsive Supramolecular Micelles for Controlled Drug Release and Improved Chemotherapy. International Journal of Molecular Sciences, 2021, 22, 154.	4.1	12
16	Photoreactive Cytosine-Functionalized Self-Assembled Micelles with Enhanced Cellular Uptake Capability for Efficient Cancer Chemotherapy. Biomacromolecules, 2021, 22, 5307-5318.	5.4	3
17	Complementary Nucleobase Interactions Drive Co-Assembly of Drugs and Nanocarriers for Selective Cancer Chemotherapy. Pharmaceutics, 2021, 13, 1929.	4.5	8
18	In vitro siRNA delivery via diethylenetriamine- and tetraethylenepentamine-modified carboxyl group-terminated Poly(amido)amine generation 4.5 dendrimers. Materials Science and Engineering C, 2020, 106, 110245.	7.3	12

#	Article	IF	Citations
19	Multifunctional adenine-functionalized supramolecular micelles for highly selective and effective cancer chemotherapy. Polymer Chemistry, 2020, 11, 849-856.	3.9	12
20	Facile Fabrication of Flexible Electrodes and Immobilization of Silver Nanoparticles on Nanoscale Silicate Platelets to Form Highly Conductive Nanohybrid Films for Wearable Electronic Devices. Nanomaterials, 2020, 10, 65.	4.1	8
21	Photosensitive Supramolecular Micelle-Mediated Cellular Uptake of Anticancer Drugs Enhances the Efficiency of Chemotherapy. International Journal of Molecular Sciences, 2020, 21, 4677.	4.1	14
22	Cytosine-Functionalized Supramolecular Polymer-Mediated Cellular Behavior and Wound Healing. Biomacromolecules, 2020, 21, 3857-3866.	5.4	13
23	Adenineâ€Functionalized Supramolecular Micelles for Selective Cancer Chemotherapy. Macromolecular Bioscience, 2020, 20, e2000233.	4.1	3
24	Enhanced Piezoelectric Properties of Poly(Vinylidenefluoride-Co-Trifluoroethylene)/Carbon-Based Nanomaterial Composite Films for Pressure Sensing Applications. Polymers, 2020, 12, 2999.	4.5	17
25	CO₂-Responsive Water-Soluble Conjugated Polymers for In Vitro and In Vivo Biological Imaging. Biomacromolecules, 2020, 21, 5282-5291.	5.4	8
26	Spontaneous Self-Assembly of Single-Chain Amphiphilic Polymeric Nanoparticles in Water. Nanomaterials, 2020, 10, 2006.	4.1	8
27	Biotin-Decorated PAMAM G4.5 Dendrimer Nanoparticles to Enhance the Delivery, Anti-Proliferative, and Apoptotic Effects of Chemotherapeutic Drug in Cancer Cells. Pharmaceutics, 2020, 12, 443.	4.5	30
28	Self-Assembled Supramolecular Micelles with pH-Responsive Properties for More Effective Cancer Chemotherapy. ACS Biomaterials Science and Engineering, 2020, 6, 4096-4105.	5.2	9
29	Hydrogen-bonded supramolecular micelle-mediated drug delivery enhances the efficacy and safety of cancer chemotherapy. Polymer Chemistry, 2020, 11, 2791-2798.	3.9	20
30	Two-Way CO₂-Responsive Polymer Particles with Controllable Amphiphilic Properties. ACS Omega, 2020, 5, 1862-1869.	3.5	6
31	Controlling the Structures, Flexibility, Conductivity Stability of Three-Dimensional Conductive Networks of Silver Nanoparticles/Carbon-Based Nanomaterials with Nanodispersion and their Application in Wearable Electronic Sensors. Nanomaterials, 2020, 10, 1009.	4.1	22
32	Photosensitive Supramolecular Micelles with Complementary Hydrogen Bonding Motifs To Improve the Efficacy of Cancer Chemotherapy. Biomacromolecules, 2019, 20, 4535-4545.	5.4	21
33	Supramolecular Polymer Network-Mediated Structural Phase Transitions within Polymeric Micelles in Aliphatic Alcohols. ACS Macro Letters, 2019, 8, 1541-1545.	4.8	4
34	Polymer nanoparticles with a sensitive CO 2 â€responsive hydrophilic/hydrophobic surface. Journal of Polymer Science Part A, 2019, 57, 2149-2156.	2.3	4
35	Multistimuli-Responsive Emulsifiers Based on Two-Way Amphiphilic Diblock Polymers. ACS Omega, 2019, 4, 15479-15487.	3.5	14
36	Self-assembling supramolecular polymer membranes for highly effective filtration of water-soluble fluorescent dyes. Polymer Chemistry, 2019, 10, 827-834.	3.9	7

#	Article	IF	Citations
37	Entrapment of an adenine derivative by a photo-irradiated uracil-functionalized micelle confers controlled self-assembly behavior. Journal of Colloid and Interface Science, 2019, 552, 166-178.	9.4	14
38	Dual stimuli-responsive supramolecular boron nitride with tunable physical properties for controlled drug delivery. Nanoscale, 2019, 11, 10393-10401.	5.6	33
39	Dual CO₂/temperature-responsive diblock copolymers confer controlled reversible emulsion behavior. Polymer Chemistry, 2019, 10, 2641-2646.	3.9	11
40	Highly Effective Photocontrollable Drug Delivery Systems Based on Ultrasensitive Light-Responsive Self-Assembled Polymeric Micelles: An in Vitro Therapeutic Evaluation. ACS Applied Bio Materials, 2019, 2, 2162-2170.	4.6	20
41	Highly stable photosensitive supramolecular micelles for tunable, efficient controlled drug release. European Polymer Journal, 2019, 110, 403-412.	5.4	22
42	Synthesis of low surface-energy polyepichlorohydrin triazoles thin film. Journal of Colloid and Interface Science, 2019, 539, 481-489.	9.4	5
43	Self-Assembled pH-Responsive Polymeric Micelles for Highly Efficient, Noncytotoxic Delivery of Doxorubicin Chemotherapy To Inhibit Macrophage Activation: In Vitro Investigation. Biomacromolecules, 2018, 19, 2772-2781.	5.4	39
44	Dual Stimuli-Responsive Nucleobase-Functionalized Polymeric Systems as Efficient Tools for Manipulating Micellar Self-Assembly Behavior. Macromolecules, 2018, 51, 1189-1197.	4.8	37
45	CO₂-Switchable Multi-Stimuli-Responsive Polymer Nanoparticle Dispersion. ACS Applied Nano Materials, 2018, 1, 384-393.	5.0	26
46	Dynamic tungsten diselenide nanomaterials: supramolecular assembly-induced structural transition over exfoliated two-dimensional nanosheets. Chemical Science, 2018, 9, 5452-5460.	7.4	22
47	Waterborne Polyurethane Colloids with Sensitive CO₂â€Switchable Hydrophilic/Hydrophobic Properties. Macromolecular Chemistry and Physics, 2018, 219, 1800247.	2.2	7
48	Supramolecular Polymer Networkâ€Mediated Selfâ€Assembly of Semicrystalline Polymers with Excellent Crystalline Performance. Macromolecular Rapid Communications, 2017, 38, 1600702.	3.9	7
49	Supramolecular fluorescent nanoparticles functionalized with controllable physical properties and temperature-responsive release behavior. Polymer Chemistry, 2017, 8, 2292-2298.	3.9	21
50	Nucleobase-functionalized supramolecular polymer films with tailorable properties and tunable biodegradation rates. Polymer Chemistry, 2017, 8, 1454-1459.	3.9	11
51	Controllable 3D Hot-Junctions of Silver Nanoparticles Stabilized by Amphiphilic Tri-block Copolymer/Graphene Oxide Hybrid Surfactants for Use as Surface-Enhanced Raman Scattering Substrates. Industrial & Engineering Chemistry Research, 2017, 56, 2935-2942.	3.7	15
52	Complementary hydrogen bonding interaction-mediated hole injection in organic light-emitting devices. Journal of Materials Chemistry C, 2017, 5, 4736-4741.	5.5	9
53	Visualization platform of one-dimensional gratings of tethered polyvinyltetrazole brushes on silicon surfaces for sensing of Cr(III). Mikrochimica Acta, 2017, 184, 2723-2730.	5.0	25
54	Dynamic supramolecular self-assembly: hydrogen bonding-induced contraction and extension of functional polymers. Polymer Chemistry, 2017, 8, 3294-3299.	3.9	35

#	Article	IF	Citations
55	CO 2 -switchable behavior of chitosan- g -poly[(2-dimethylamino)ethyl methacrylate] as an emulsifier. Carbohydrate Polymers, 2017, 170, 281-288.	10.2	17
56	Incorporation of supramolecular polymer-functionalized graphene: Towards the development of bio-based high electrically conductive polymeric nanocomposites. Composites Science and Technology, 2017, 148, 89-96.	7.8	21
57	Self-assembled supramolecular polymers with tailorable properties that enhance cell attachment and proliferation. Acta Biomaterialia, 2017, 50, 476-483.	8.3	14
58	Selfâ€Assembled Supramolecular Nanogels as a Safe and Effective Drug Delivery Vector for Cancer Therapy. Macromolecular Bioscience, 2017, 17, 1600370.	4.1	38
59	Non-Covalently Functionalized Boron Nitride Mediated by a Highly Self-Assembled Supramolecular Polymer. Chemistry of Materials, 2017, 29, 8513-8520.	6.7	36
60	Water-soluble fullerene-functionalized polymer micelles for efficient aqueous-processed conductive devices. Polymer Chemistry, 2017, 8, 7469-7474.	3.9	8
61	Supramolecular polymer micelles as universal tools for constructing high-performance fluorescent nanoparticles. Dyes and Pigments, 2017, 137, 284-292.	3.7	14
62	Supramolecular assembly-mediated lithium ion transport in nanostructured solid electrolytes. RSC Advances, 2016, 6, 38223-38227.	3.6	11
63	Supramolecular electrospun nanofibers with high conductivity at ultra-low carbon nanotube content. Journal of Materials Chemistry C, 2016, 4, 5207-5213.	5.5	17
64	New transparent poly(<scp>l</scp>-lactide acid) films as high-performance bio-based nanocomposites. RSC Advances, 2016, 6, 23949-23955.	3.6	8
65	Supramolecular coreâ€“shell nanoparticles for photoconductive device applications. Nanotechnology, 2016, 27, 32LT01.	2.6	4
66	Stimuli-responsive single-chain polymeric nanoparticles towards the development of efficient drug delivery systems. Polymer Chemistry, 2016, 7, 6164-6169.	3.9	47
67	Nucleobaseâ€Functionalized Supramolecular Micelles with Tunable Physical Properties for Efficient Controlled Drug Release. Macromolecular Bioscience, 2016, 16, 1415-1421.	4.1	23
68	Highly efficient drug delivery systems based on functional supramolecular polymers: In vitro evaluation. Acta Biomaterialia, 2016, 33, 194-202.	8.3	45
69	Functionalized graphene nanomaterials: new insight into direct exfoliation of graphite with supramolecular polymers. Nanoscale, 2016, 8, 723-728.	5.6	29
70	High-efficiency self-healing materials based on supramolecular polymer networks. RSC Advances, 2015, 5, 101148-101154.	3.6	28
71	Manipulation of ferrofluids encapsulated in sandwich structures using alternating magnetic field for high contrast in transmittance. Microfluidics and Nanofluidics, 2015, 19, 1441-1453.	2.2	10
72	New bioinspired hole injection/transport materials for highly efficient solution-processed phosphorescent organic light-emitting diodes. Nano Energy, 2015, 13, 1-8.	16.0	27

#	Article	IF	Citations
73	Bio-complementary supramolecular polymers with effective self-healing functionality. RSC Advances, 2015, 5, 90466-90472.	3.6	27
74	Supramolecular polymeric micelles as high performance electrochemical materials. Journal of Materials Chemistry C, 2015, 3, 9528-9533.	5.5	10
75	Supramolecular Assembly Mediates the Formation of Single-Chain Polymeric Nanoparticles. ACS Macro Letters, 2015, 4, 1184-1188.	4.8	41
76	Large-scale production of ureido-cytosine based supramolecular polymers with well-controlled hierarchical nanostructures. RSC Advances, 2015, 5, 76451-76457.	3.6	27
77	Nucleobase-grafted supramolecular polymers for tuning the surface properties. Polymer Chemistry, 2014, 5, 702-705.	3.9	4
78	Synthesis and self-assembly of water-soluble polythiophene-graft-poly(ethylene oxide) copolymers. RSC Advances, 2014, 4, 21830-21839.	3.6	17
79	Nucleobase-grafted polycaprolactones as reversible networks in a novel biocompatible material. RSC Advances, 2013, 3, 12598.	3.6	18
80	Bioinspired assembly of functional block-copolymer nanotemplates. Soft Matter, 2013, 9, 9608.	2.7	9
81	Supramolecular structures of uracil-functionalized PEG with multi-diamidopyridine POSS through complementary hydrogen bonding interactions. Soft Matter, 2013, 9, 5196.	2.7	27
82	Bioinspired supramolecular fibers for mercury ion adsorption. Journal of Materials Chemistry A, 2013, 1, 7745.	10.3	23
83	Supramolecular Functionalities Influence the Thermal Properties, Interactions and Conductivity Behavior of Poly(ethylene glycol)/LiAsF6 Blends. Polymers, 2013, 5, 937-953.	4.5	7
84	A new supramolecular film formed from a silsesquioxane derivative for application in proton exchange membranes. Journal of Materials Chemistry, 2012, 22, 731-734.	6.7	23
85	Block-copolymer-like supramolecules confined in nanolamellae. Soft Matter, 2012, 8, 3747.	2.7	12
86	Bioinspired hole-conducting polymers for application in organic light-emitting diodes. Journal of Materials Chemistry, 2012, 22, 18127.	6.7	31
87	New self-assembled supramolecular polymers formed by self-complementary sextuple hydrogen bond motifs. RSC Advances, 2012, 2, 9952.	3.6	16
88	Bioinspired Photo-Cross-Linked Nanofibers from Uracil-Functionalized Polymers. ACS Macro Letters, 2012, 1, 159-162.	4.8	22
89	A new supramolecular POSS electroluminescent material. Journal of Materials Chemistry, 2012, 22, 9285.	6.7	31
90	A New Supramolecular Hole Injection/Transport Material on Conducting Polymer for Application in Lightâ€Emitting Diodes. Advanced Materials, 2012, 24, 1894-1898.	21.0	32

#	Article	IF	Citations
91	Hierarchical structures formed from self-complementary sextuple hydrogen-bonding arrays. RSC Advances, 2011, 1, 1190.	3.6	15
92	A new benzoxazine containing uracil, complementary functionality. Polymer Chemistry, 2011, 2, 1648.	3.9	20
93	Selfâ€supporting Polymer from a POSS Derivative. Macromolecular Rapid Communications, 2011, 32, 927-932.	3.9	28
94	A New Poly(amide urethane) Solid State Electrolyte Containing Supramolecular Structure. Macromolecules, 2010, 43, 2634-2637.	4.8	11
95	Synthesis and Assembly Behavior of Heteronucleobase-Functionalized Poly(Îµ-caprolactone). Macromolecules, 2010, 43, 1245-1252.	4.8	84
96	Biocomplementary interaction behavior in DNAâ€like and RNAâ€like polymers. Journal of Polymer Science Part A, 2009, 47, 6388-6395.	2.3	36
97	A simple approach toward lowâ€dielectric polyimide nanocomposites: Blending the polyimide precursor with a fluorinated polyhedral oligomeric silsesquioxane. Journal of Polymer Science Part A, 2008, 46, 6296-6304.	2.3	53
98	A â€œplug and playâ€•polymer through biocomplementary hydrogen bonding. Journal of Polymer Science Part A, 2008, 46, 6416-6424.	2.3	46