Shuangshuang Chen

List of Publications by Year in Descending Order

97 papers	2,681 citations	30 h-index	48 g-index
100 ext. papers	3,127 ext. citations	6.6 avg, IF	5.38 L-index

#	Paper	IF	Citations
97	The horizon of bone organoid: A perspective on construction and application.. *Bioactive Materials*, **2022**, 18, 15-25	16.7	7
96	Continuous microflow synthesis of dimethyl-substituted cyclobutanetetracarboxylic dianhydrides and its application on polyimide films. *Journal of Flow Chemistry*, **2022**, 12, 91	3.3	0
95	Molecular Chirality and Morphological Structural Chirality of Exogenous Chirality-Induced Liquid Crystalline Block Copolymers. *Macromolecules*, **2022**, 55, 1566-1575	5.5	2
94	Close to Real: Large-Volume 3D Cell Spheroids on a Superamphiphobic Surface. *Advanced Materials Interfaces*, **2021**, 8, 2100039	4.6	0
93	Highly Integrated Cell-Imprinted Biomimetic Interface for All-in-One Diagnosis of Heterogeneous Circulating Tumor Cells. *ACS Applied Materials & Interfaces*, **2021**, 13, 19603-19612	9.5	0
92	Reversible Micrometer-Scale Spiral Self-Assembly in Liquid Crystalline Block Copolymer Film with Controllable Chiral Response. *Angewandte Chemie - International Edition*, **2021**, 60, 12308-12312	16.4	6
91	Self-Healable, Recyclable, and Ultrastrong Adhesive Ionogel for Multifunctional Strain Sensor. *ACS Applied Materials & Interfaces*, **2021**, 13, 20653-20661	9.5	20
90	Reversible Micrometer-Scale Spiral Self-Assembly in Liquid Crystalline Block Copolymer Film with Controllable Chiral Response. *Angewandte Chemie*, **2021**, 133, 12416-12420	3.6	4
89	A Near-Infrared-Triggered Dynamic Wrinkling Biointerface for Noninvasive Harvesting of Practical Cell Sheets. *ACS Applied Materials & Interfaces*, **2021**, 13, 32790-32798	9.5	4
88	Reversible Dendritic-Crystal-Reinforced Polymer Gel for Bioinspired Adaptable Adhesive. *Advanced Materials*, **2021**, 33, e2103174	24	11
87	-Inspired Circular Polarized Luminescence in a Solid Block Copolymer Film with a Controllable Helix. *ACS Nano*, **2020**, 14, 8939-8948	16.7	15
86	Polyphosphazene-Based Drug Self-Framed Delivery System as a Universal Intelligent Platform for Combination Therapy against Multidrug-Resistant Tumors.. *ACS Applied Bio Materials*, **2020**, 3, 2284-2294	4.1	11
85	Synthesis of highly transparent and thermally stable copolyimide with fluorine-containing dianhydride and alicyclic dianhydride. *Journal of Applied Polymer Science*, **2020**, 137, 48603	2.9	5
84	Incorporating bis-benzimidazole into polyimide chains for effectively improving thermal resistance and dimensional stability. *Polymer International*, **2020**, 69, 93-99	3.3	13
83	Self-Assembled GO Honeycomb Microarray for Selective Cancer Cell Capture and Single Cell Analysis of Proteolytic Expression. *Advanced Healthcare Materials*, **2020**, 9, e2001006	10.1	0
82	Solvent polarity driven helicity inversion and circularly polarized luminescence in chiral aggregation induced emission fluorophores. *Chemical Science*, **2020**, 11, 9989-9993	9.4	35
81	High throughput profiling drug response and apoptosis of single polar cells. *Journal of Materials Chemistry B*, **2020**, 8, 8614-8622	7.3	1

80	Role of Intrinsic Factors of Polyimides in Glass Transition Temperature: An Atomistic Investigation. *Journal of Physical Chemistry B*, **2019**, 123, 8569-8579	3.4	13
79	Dual-responsive polyphosphazene as a common platform for highly efficient drug self-delivery. *Journal of Materials Chemistry B*, **2019**, 7, 4319-4327	7.3	10
78	Gradient Photothermal Field for Precisely Directing Cell Sheet Detachment. *Advanced Biology*, **2019**, 3, e1800334	3.5	5
77	Ductile Polyimide/Reduced Graphene Oxide Nanohybrid Films with Porous Structure Fabricated by a Green Hydrogel Strategy. *ACS Applied Polymer Materials*, **2019**, 1, 914-923	4.3	2
76	High-Level Extraction of Recyclable Nanocatalysts by Using Polyphosphazene Microparticles. *Langmuir*, **2019**, 35, 5168-5175	4	4
75	Synthesis of highly transparent and heat-resistant polyimides containing bulky pendant moieties. *Polymer International*, **2019**, 68, 1186-1193	3.3	14
74	Cell-imprinted biomimetic interface for intelligent recognition and efficient capture of CTCs. *Biomaterials Science*, **2019**, 7, 4027-4035	7.4	11
73	Perspectives on the Next Generation of Sunscreen: Safe, Broadband, and Long-Term Photostability **2019**, 1, 336-343		7
72	Durable superamphiphobic silica aerogel surfaces for the culture of 3D cellular spheroids. *National Science Review*, **2019**, 6, 1255-1265	10.8	5
71	Low Dielectric Constant Polyimide Hybrid Films Prepared by in Situ Blow-Balloon Method. *ACS Applied Polymer Materials*, **2019**, 1, 2189-2196	4.3	16
70	Strain sensor based on a flexible polyimide ionogel for application in high- and low-temperature environments. *Journal of Materials Chemistry C*, **2019**, 7, 9625-9632	7.1	25
69	Single Polar Cell Trapping Based on the Breath Figure Method. *ACS Omega*, **2019**, 4, 20223-20229	3.9	2
68	Real-Time Profiling of Anti-(Epithelial Cell Adhesion Molecule)-Based Immune Capture from Molecules to Cells Using Multiparameter Surface Plasmon Resonance. *Langmuir*, **2019**, 35, 1040-1046	4	3
67	Process Analysis on Preparation of Cyclobutanetetracarboxylic Dianhydride in a Photomicroreactor within Gas–Liquid Taylor Flow. *Industrial & Engineering Chemistry Research*, **2018**, 57, 2476-2485	3.9	14
66	Oxidoreductase-Initiated Radical Polymerizations to Design Hydrogels and Micro/Nanogels: Mechanism, Molding, and Applications. *Advanced Materials*, **2018**, 30, e1705668	24	36
65	A study on the micromixing performance in microreactors for polymer solutions. *AICHE Journal*, **2018**, 64, 3479-3490	3.6	14
64	Designing 3D Biological Surfaces via the Breath-Figure Method. *Advanced Healthcare Materials*, **2018**, 7, e1701043	10.1	22
63	Mesogen-co-polymerized transparent polyimide as a liquid-crystal alignment layer with enhanced anchoring energy.. *RSC Advances*, **2018**, 8, 11119-11126	3.7	6

62	Biodegradable Cyclomatrix Polyphosphazene Nanoparticles: A Novel pH-Responsive Drug Self-Framed Delivery System. *ACS Applied Materials & Interfaces*, **2018**, 10, 25983-25993	9.5	43
61	Process Characteristics and Rheological Properties of Free Radical Polymerization in Microreactors. *Industrial & Engineering Chemistry Research*, **2018**, 57, 10922-10934	3.9	10
60	Ionic liquid containing electron-rich, porous polyphosphazene nanoreactors catalyze the transformation of CO2 to carbonates. *Journal of Materials Chemistry A*, **2018**, 6, 20916-20925	13	14
59	Double-Helical Nanostructures with Controllable Handedness in Bulk Diblock Copolymers. *Angewandte Chemie*, **2018**, 130, 15368-15372	3.6	4
58	Synthesis of Superheat-Resistant Polyimides with High Tg and Low Coefficient of Thermal Expansion by Introduction of Strong Intermolecular Interaction. *Macromolecules*, **2018**, 51, 10127-10135	5.5	60
57	Double-Helical Nanostructures with Controllable Handedness in Bulk Diblock Copolymers. *Angewandte Chemie - International Edition*, **2018**, 57, 15148-15152	16.4	22
56	A facile method to fabricate tough hydrogel with ultra-wide adjustable stiffness, stress, and fast recoverability. *Journal of Polymer Science, Part B: Polymer Physics*, **2018**, 56, 1469-1474	2.6	5
55	Enhancement of the Photoalignment Stability of Block Copolymer Brushes by Anchor Segments. *Macromolecular Chemistry and Physics*, **2018**, 219, 1800153	2.6	2
54	A Computational Probe into the Dissolution Inhibitation Effect of Diazonaphthoquinone Photoactive Compounds on Positive Tone Photosensitive Polyimides. *Journal of Physical Chemistry C*, **2017**, 121, 1704-1714	3.8	6
53	Control of the alignment of liquid crystal molecules on a sequence-polymerized film by surface migration and polarized light irradiation. *Polymer Chemistry*, **2017**, 8, 7316-7324	4.9	5
52	Thermostable birefringent copolyimide films based on azobenzene-containing pyrimidine diamines. *Journal of Materials Chemistry C*, **2017**, 5, 10375-10382	7.1	8
51	Effects of concave and convex substrate curvature on cell mechanics and the cytoskeleton. *Chinese Chemical Letters*, **2017**, 28, 818-826	8.1	10
50	Comparison of hybrid polyimide films with silica and organosilica obtained via sol–gel process. *High Performance Polymers*, **2017**, 29, 1049-1057	1.6	7
49	A strategy for the synthesis of cyclomatrix-polyphosphazene nanoparticles from non-aromatic monomers. *RSC Advances*, **2016**, 6, 75552-75561	3.7	6
48	The fabrication of helical fibers with circularly polarized luminescence via ionic linkage of binaphthol and tetraphenylethylene derivatives. *Journal of Materials Chemistry C*, **2016**, 4, 1497-1503	7.1	28
47	Transparent, thermally and mechanically stable superhydrophobic coating prepared by an electrochemical template strategy. *Journal of Materials Chemistry A*, **2015**, 3, 3801-3807	13	61
46	Water-triggered self-assembly polycondensation for the one-pot synthesis of cyclomatrix polyphosphazene nanoparticles from amino acid ester. *Chemical Communications*, **2015**, 51, 8373-6	5.8	38
45	One-pot synthesis of highly cross-linked fluorescent polyphosphazene nanoparticles for cell imaging. *Polymer Chemistry*, **2015**, 6, 3155-3163	4.9	37

44	Targeted grafting of thermoresponsive polymers from a penetrative honeycomb structure for cell sheet engineering. *Soft Matter*, **2015**, 11, 7420-7	3.6	18
43	One-pot synthesis of fluorescent and cross-linked polyphosphazene nanoparticles for highly sensitive and selective detection of dopamine in body fluids. *RSC Advances*, **2015**, 5, 92762-92768	3.7	12
42	Injectable and cross-linkable polyphosphazene hydrogels for space-filling scaffolds. *Polymer Chemistry*, **2015**, 6, 143-149	4.9	16
41	Biomimetic honeycomb-patterned surface as the tunable cell adhesion scaffold. *Biomaterials Science*, **2015**, 3, 85-93	7.4	29
40	Electrochemically Tunable Cell Adsorption on a Transparent and Adhesion-Switchable Superhydrophobic Polythiophene Film. *Macromolecular Rapid Communications*, **2015**, 36, 1205-10	4.8	24
39	Multifunctional polypyrene/silica hybrid coatings with stable excimer fluorescence and robust superhydrophobicity derived from electrodeposited polypyrene films. *Journal of Materials Chemistry C*, **2015**, 3, 2086-2092	7.1	26
38	Thermally tunable circular dichroism and circularly polarized luminescence of tetraphenylethene with two cholesterol pendants. *Journal of Materials Chemistry C*, **2015**, 3, 6997-7003	7.1	51
37	In situ growth of a polyphosphazene nanoparticle coating on a honeycomb surface: facile formation of hierarchical structures for bioapplication. *Chemical Communications*, **2015**, 51, 5698-701	5.8	12
36	Preparation of aggregation-induced emission dots for long-term two-photon cell imaging. *Journal of Materials Chemistry B*, **2015**, 3, 3091-3097	7.3	32
35	Self-healing polymers with PEG oligomer side chains based on multiple H-bonding and adhesion properties. *Polymer Chemistry*, **2015**, 6, 5086-5092	4.9	43
34	Fluorescent and cross-linked organic-inorganic hybrid nanoshells for monitoring drug delivery. *ACS Applied Materials & Interfaces*, **2015**, 7, 4990-7	9.5	55
33	Controllable and mass fabrication of highly luminescent N-doped carbon dots for bioimaging applications. *RSC Advances*, **2015**, 5, 22343-22349	3.7	11
32	Reversible Switching of Water-Droplet Adhesion on a Superhydrophobic Polythiophene Surface. *Advanced Materials Interfaces*, **2014**, 1, 1400011	4.6	19
31	Formation and properties of liquid crystalline supramolecules with anisotropic fluorescence emission. *Polymer Chemistry*, **2014**, 5, 2567	4.9	5
30	"Fastening" porphyrin in highly cross-linked polyphosphazene hybrid nanoparticles: powerful red fluorescent probe for detecting mercury ion. *Langmuir*, **2014**, 30, 4458-64	4	46
29	Formation of Helical Phases in Achiral Block Copolymers by Simple Addition of Small Chiral Additives. *Macromolecules*, **2014**, 47, 6547-6553	5.5	35
28	Electro-responsively reversible transition of polythiophene films from superhydrophobicity to superhydrophilicity. *ACS Applied Materials & Interfaces*, **2014**, 6, 14736-43	9.5	40
27	Highly cross-linked and biocompatible polyphosphazene-coated superparamagnetic Fe3O4 nanoparticles for magnetic resonance imaging. *Langmuir*, **2013**, 29, 9156-63	4	58

26	Polydiacetylene-embedded supramolecular electrospun fibres for a colourimetric sensor of organic amine vapour. *RSC Advances*, **2013**, 3, 22841	3.7	25
25	Anisotropic Fluorescence Emission of Ionic Complex Induced by the Orientation of Azobenzene Unit. *Macromolecules*, **2013**, 46, 3376-3383	5.5	9
24	Facile synthesis of superparamagnetic Fe3O4@polyphosphazene@Au shells for magnetic resonance imaging and photothermal therapy. *ACS Applied Materials & Interfaces*, **2013**, 5, 4586-91	9.5	102
23	Gold nanoparticles as computerized tomography (CT) contrast agents. *RSC Advances*, **2012**, 2, 12515	3.7	106
22	Fabrication of reduced graphene oxide hybrid materials that exhibit strong fluorescence. *Journal of Materials Chemistry*, **2012**, 22, 14868		11
21	A photosensitive fluorinated ionic complex with tunable surface wetting properties: mesostructure and photosensitivity. *Polymer Chemistry*, **2011**, 2, 2528	4.9	5
20	Precipitation supramolecular complex for photoinduced anisotropic material with dual mesogenic units. *Polymer*, **2011**, 52, 3243-3250	3.9	4
19	Core@shell nanostructures for photothermal conversion: Tunable noble metal nanoshells on cross-linked polymer submicrospheres. *Journal of Materials Chemistry*, **2010**, 20, 5493		30
18	Preparation and cellular uptake of pH-dependent fluorescent single-wall carbon nanotubes. *Chemistry - A European Journal*, **2010**, 16, 556-61	4.8	25
17	One-Pot Synthesis of Highly Magnetically Sensitive Nanochains Coated with a Highly Cross-Linked and Biocompatible Polymer. *Angewandte Chemie*, **2010**, 122, 8654-8657	3.6	11
16	One-pot synthesis of highly magnetically sensitive nanochains coated with a highly cross-linked and biocompatible polymer. *Angewandte Chemie - International Edition*, **2010**, 49, 8476-9	16.4	69
15	Targeted delivery and controlled release of doxorubicin to cancer cells using modified single wall carbon nanotubes. *Biomaterials*, **2009**, 30, 6041-7	15.6	419
14	Superhydrophobic surface created by the silver mirror reaction and its drag-reduction effect on water. *Journal of Materials Chemistry*, **2009**, 19, 3301		46
13	Anisotropic electronic properties of Ni nanowires in oriented mesoporous silica film. *Applied Physics Letters*, **2009**, 95, 153102	3.4	7
12	The ionic liquid-associated synthesis of a cellulose/SWCNT complex and its remarkable biocompatibility. *Journal of Materials Chemistry*, **2009**, 19, 3612		51
11	Photosensitive Liquid-Crystalline Supramolecules Self-Assembled from Ionic Liquid Crystal and Polyelectrolyte for Laser-Induced Optical Anisotropy. *Macromolecules*, **2008**, 41, 3884-3892	5.5	55
10	Hierarchical self-assembly of helical amylose/SWNTs complex. *Science in China Series B: Chemistry*, **2008**, 51, 269-274		4
9	A Facile Strategy for Preparation of Fluorescent SWNT Complexes with High Quantum Yields Based on Ion Exchange. *Advanced Functional Materials*, **2008**, 18, 857-864	15.6	32

8	Photoorientation of Liquid Crystalline Azo-Dendrimer by Nanosecond Pulsed Laser for Liquid Crystal Alignment. *Macromolecules*, **2007**, 40, 3306-3312	5.5	40
7	Large-Scale Production of Homogeneous Helical Amylose/SWNTs Complexes with Good Biocompatibility. *Macromolecular Rapid Communications*, **2007**, 28, 2180-2184	4.8	31
6	Creating superhydrophobic surfaces with flowery structures on nickel substrates through a wet-chemical-process. *Journal of Materials Chemistry*, **2007**, 17, 4772		77
5	Cytotoxicity of ionic liquids and precursor compounds towards human cell line HeLa. *Green Chemistry*, **2007**, 9, 1191	10	168
4	Superhydrophobic modification of polyimide films based on gold-coated porous silver nanostructures and self-assembled monolayers. *Journal of Materials Chemistry*, **2006**, 16, 4504		58
3	PREPARATION OF TIN OXIDE NANOPARTICLES BY LASER ABLATION IN SOLUTION. *International Journal of Nanoscience*, **2006**, 05, 259-264	0.6	5
2	Synthesis and properties of polyimides from 1,3-bis(4-piperidino-l,S-naphthalic anhydride)propane. *Polymer Bulletin*, **2003**, 49, 417-423	2.4	8
1	Preparation of aromatic polyimides highly soluble in conventional solvents. *Journal of Polymer Science Part A*, **2002**, 40, 229-234	2.5	39