Shuguang Yang

List of Publications by Year
in descending order

95	2,480	218381	243296
papers	citations	26 h-index	44 g-index

96	96	96	3112
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stretchable Optical Diffuser Constructed by Alternate Procedure of Interfacial Complexation and Thermal Crosslinking. Macromolecular Rapid Communications, 2023, 44, .	2.0	2
2	Bendable optical diffuser constructed by interfacial hydrogen-bonding polymer complexation. Materials Today Communications, 2022, 30, 103109.	0.9	4
3	Interfacial Behavior of Giant Amphiphiles Composed of Azobenzene and Polyhedral Oligomeric Silsesquioxane. Langmuir, 2022, 38, 1611-1620.	1.6	3
4	Skeletal Muscle Fibers Inspired Polymeric Actuator by Assembly of Triblock Polymers. Advanced Science, 2022, 9, e2105764.	5.6	14
5	Optical diffuser constructed by assembly of cellulose ether and polymer complex particles. Carbohydrate Polymers, 2022, 294, 119804.	5.1	3
6	Interpenetration of metal cations into polyelectrolyte-multilayer-films via layer-by-layer assembly: Selective antibacterial functionality of cationic guar gum/ polyacrylic acid- Ag+ nanofilm against resistant E. coli. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 610, 125921.	2.3	17
7	Morphological Variation of an LB Film of Giant Amphiphiles Composed of Poly(ethylene oxide) and Hydrophobically Modified POSS. Langmuir, 2021, 37, 4294-4301.	1.6	11
8	Photo-responsive Behaviors of Hydrogen-Bonded Polymer Complex Fibers Containing Azobenzene Functional Groups. Advanced Fiber Materials, 2021, 3, 172-179.	7.9	20
9	Humidity induced relaxation transition of hydrogen-bonded complex fibers. Polymer, 2021, 225, 123794.	1.8	3
10	Phase Behaviors of Giant Surfactants with Different Numbers of Fluorinated Polyhedral Oligomeric Silsesquioxane â€œHeadsâ€•and One Poly(ethylene oxide) â€œTailâ€•at the Airâ€“Water Interface. Langmuir, 2021, 37, 11084-11092.	1.6	5
11	Fabrication of alginate/chitosan complex fibers via diffusion controlled in-situ polyelectrolyte complexation. Carbohydrate Polymer Technologies and Applications, 2021, 2, 100030.	1.6	3
12	Polyelectrolyte complex beads of carboxymethylcellulose and chitosan: The controlled formation and improved properties. Carbohydrate Polymer Technologies and Applications, 2021, 2, 100100.	1.6	3
13	Macromolecular Isomerism in Giant Molecules. Chemistry - A European Journal, 2020, 26, 2985-2992.	1.7	26
14	A quasi-solid-state photothermal supercapacitor via enhanced solar energy harvest. Journal of Materials Chemistry A, 2020, 8, 1829-1836.	5.2	32
15	Fluorinated polyhedral oligomeric silsesquioxanes end-capped poly(ethylene oxide) giant surfactants: precise synthesis and interfacial behaviors. Polymer, 2020, 186, 122055.	1.8	15
16	Impact of asymptomatic COVID-19 patients in global surgical practice during the COVID-19 pandemic. British Journal of Surgery, 2020, 107, e364-e365.	0.1	16
17	Effective Optical Diffuser Based on Interfacial Hydrogen-Bonding Polymer Complexation. ACS Applied Polymer Materials, 2020, 2, 3805-3812.	2.0	9
18	Supramolecular and Physically Double-Cross-Linked Network Strategy toward Strong and Tough Elastic Fibers. ACS Macro Letters, 2020, 9, 1655-1661.	2.3	18

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19	Surgeons' fear of getting infected by COVID19: A global survey. British Journal of Surgery, 2020, 107, e543-e544.	0.1	19
20	Graphitizing N-doped mesoporous carbon nanospheres via facile single atom iron growth for highly efficient oxygen reduction reaction. Nano Research, 2020, 13, 752-758.	5.8	52
21	A Salt Controlled Scalable Approach for Formation of Polyelectrolyte Complex Fiber â€. Chinese Journal of Chemistry, 2020, 38, 465-470.	2.6	11
22	Polyelectrolyte Complex Fiber of Alginate and Poly(diallyldimethylammonium chloride): Humidity-Induced Shape Memory and Mechanical Transition. ACS Applied Polymer Materials, 2020, 2, 2119-2125.	2.0	16
23	The change from hydrophilicity to hydrophobicity of HEC/PAA complex membrane for water-in-oil emulsion separation: Thermal versus chemical treatment. Carbohydrate Polymers, 2020, 241, 116343.	5.1	15
24	Sulfonated poly(Î±,Î²,Î²-trifluorostyrene)-doped PVDF ultrafiltration membrane with enhanced hydrophilicity and antifouling property. Journal of Membrane Science, 2020, 603, 118046.	4.1	14
25	Polymer Complex Fiber for Linear Actuation with High Working Density and Stable Catch-State. ACS Macro Letters, 2020, 9, 1507-1513.	2.3	9
26	Functionalization-Directed Stabilization of Hydrogen-Bonded Polymer Complex Fibers: Elasticity and Conductivity. Advanced Fiber Materials, 2019, 1, 71-81.	7.9	26
27	Complex membrane of cellulose and chitin nanocrystals with cationic guar gum for oil/water separation. Journal of Applied Polymer Science, 2019, 136, 47947.	1.3	25
28	Manipulating the surface wettability of polysaccharide based complex membrane for oil/water separation. Carbohydrate Polymers, 2019, 225, 115231.	5.1	27
29	Complex Aerogels Generated from Nano-Polysaccharides and Its Derivatives for Oilâ€“Water Separation. Polymers, 2019, 11, 1593.	2.0	27
30	Facile preparation of a robust porous photothermal membrane with antibacterial activity for efficient solar-driven interfacial water evaporation. Journal of Materials Chemistry A, 2019, 7, 704-710.	5.2	77
31	Synthesis, Self-Assembly and Characterization of Tandem Triblock BPOSS-PDI-X Shape Amphiphiles. Molecules, 2019, 24, 2114.	1.7	4
32	Polymer complexation for functional fibers. Science China Technological Sciences, 2019, 62, 931-944.	2.0	11
33	Symmetry-guided, divergent assembly of regio-isomeric molecular Janus particles. Chemical Communications, 2019, 55, 6425-6428.	2.2	15
34	Formation and reduction of hydrogen-bonded graphene oxide-poly(ethylene oxide) complex fiber. Materials Today Communications, 2019, 19, 425-432.	0.9	8
35	Nanofiltration membrane constructed by tuning the chain interactions of polymer complexation. Journal of Membrane Science, 2019, 580, 289-295.	4.1	10
36	Hydrogen-bonded thin films of cellulose ethers and poly(acrylic acid). Carbohydrate Polymers, 2019, 215, 58-62.	5.1	30

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37	Symmetry-Dictated Mesophase Formation and Phase Diagram of Perfluorinated Polyhedral Oligomeric Silsesquioxanes. Macromolecules, 2019, 52, 2361-2370.	2.2	19
38	Hydrogen-bonded methylcellulose/poly(acrylic acid) complex membrane for oil-water separation. Surface and Coatings Technology, 2019, 367, 49-57.	2.2	21
39	Manipulating light trapping and water vaporization enthalpy via porous hybrid nanohydrogels for enhanced solar-driven interfacial water evaporation with antibacterial ability. Journal of Materials Chemistry A, 2019, 7, 26769-26775.	5.2	36
40	Facile growth of ultra-small Pd nanoparticles on zeolite-templated mesocellular graphene foam for enhanced alcohol electrooxidation. Nano Research, 2019, 12, 351-356.	5.8	24
41	Engineering SpyCatcher Variants with Proteolytic Sites for Lessâ€Trace Ligation. Chinese Journal of Chemistry, 2019, 37, 113-118.	2.6	4
42	A Versatile and Robust Approach to Stimuli-Responsive Protein Multilayers with Biologically Enabled Unique Functions. Biomacromolecules, 2018, 19, 1065-1073.	2.6	18
43	Visible-Light Photoredox Decarboxylation of Perfluoroarene Iodine(III) Trifluoroacetates for Câ€“H Trifluoromethylation of (Hetero)arenes. ACS Catalysis, 2018, 8, 2839-2843.	5.5	106
44	Regioisomeric Tandem Triblock Shape Amphiphiles Based on Polyhedral Oligomeric Silsesquioxanes. Chemistry - A European Journal, 2018, 24, 12389-12396.	1.7	12
45	SpyCatcher-N^{TEV}: A Circularly Permuted, Disordered SpyCatcher Variant for Less Trace Ligation. Bioconjugate Chemistry, 2018, 29, 1622-1629.	1.8	14
46	Surface nano-structure of polyamide 6 film by hydrothermal treatment. Applied Surface Science, 2018, 442, 595-601.	3.1	11
47	Chain diffusion and exchange during build-up of hydrogen-bonded polymer complex film. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 539, 148-153.	2.3	3
48	Janus [3:5] Polystyreneâ€“Polydimethylsiloxane Star Polymers with a Cubic Core. Macromolecules, 2018, 51, 419-427.	2.2	34
49	Influence of Regio-Configuration on the Phase Diagrams of Double-Chain Giant Surfactants. Macromolecules, 2018, 51, 1110-1119.	2.2	20
50	pH-Responsive Janus Film Constructed with Hydrogen-Bonding Assembly and Dopamine Chemistry. Langmuir, 2018, 34, 6653-6659.	1.6	11
51	Responsive complex capsules prepared with polymerization of dopamine, hydrogen-bonding assembly, and catechol dismutation. Journal of Colloid and Interface Science, 2018, 513, 470-479.	5.0	23
52	Synergistic Enhancement of Enzyme Performance and Resilience via Orthogonal Peptideâ€“Protein Chemistry Enabled Multilayer Construction. Biomacromolecules, 2018, 19, 2700-2707.	2.6	7
53	Engineering Ï€â€“Ï€ interactions for enhanced photoluminescent properties: unique discrete dimeric packing of perylene diimides. RSC Advances, 2017, 7, 6530-6537.	1.7	42
54	Cellulose derivative-lanthanide complex film by hierarchical assembly process. Carbohydrate Polymers, 2017, 168, 240-246.	5.1	8

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55	How does the interplay between bromine substitution at bay area and bulky substituents at imide position influence the photophysical properties of perylene diimides?. RSC Advances, 2017, 7, 16155-16162.	1.7	15
56	Dynamics of Shape-Persistent Giant Molecules: Zimm-like Melt, Elastic Plateau, and Cooperative Glass-like. Macromolecules, 2017, 50, 6637-6646.	2.2	38
57	Synthesis and Self-Assembly of Shape Amphiphiles Based on POSS-Dendron Conjugates. Molecules, 2017, 22, 622.	1.7	7
58	Hydrogen-Bonded Polymer Complex Thin Film of Poly(2-oxazoline) and Poly(acrylic acid). Polymers, 2017, 9, 363.	2.0	19
59	Reversible molecular adsorption of free-standing nano-composite film made from boehmite and poly(acrylic acid). Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 507, 210-217.	2.3	1
60	Synthesis of Difluoroalkylated Arenes by Hydroaryldifluoromethylation of Alkenes with Î±,Î±-Difluoroarylacetic Acids under Photoredox Catalysis. Organic Letters, 2016, 18, 5956-5959.	2.4	72
61	Highly Elastic Fibers Made from Hydrogen-Bonded Polymer Complex. ACS Macro Letters, 2016, 5, 814-818.	2.3	46
62	Anti-fogging and anti-frosting behaviors of layer-by-layer assembled cellulose derivative thin film. Applied Surface Science, 2016, 370, 1-5.	3.1	68
63	Dynamics of the layer-by-layer assembly of a poly(acrylic acid)â€“lanthanide complex colloid and poly(diallyldimethyl ammonium). Soft Matter, 2016, 12, 867-875.	1.2	15
64	Flexible fibers wet-spun from formic acid modified chitosan. Carbohydrate Polymers, 2016, 136, 1137-1143.	5.1	21
65	Solvent effect on hydrogen-bonded thin film of poly(vinylpyrrolidone) and poly(acrylic acid) prepared by layer-by-layer assembly. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 471, 11-18.	2.3	18
66	Reversible Swellingâ€“Shrinking Behavior of Hydrogen-Bonded Free-Standing Thin Film Stabilized by Catechol Reaction. Langmuir, 2015, 31, 5147-5154.	1.6	35
67	Characterization of maxillofacial silicone elastomer reinforced with different hollow microspheres. Journal of Materials Science, 2015, 50, 3976-3983.	1.7	20
68	Copper-Mediated Radical 1,2-Bis(trifluoromethylation) of Alkenes with Sodium Trifluoromethanesulfinate. Organic Letters, 2015, 17, 1906-1909.	2.4	110
69	Dimerization of Rhodamine B in Alumina sol and corresponding dip-coated film. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 486, 139-144.	2.3	8
70	Polymer Complexation by Hydrogen Bonding at the Interface. Australian Journal of Chemistry, 2014, 67, 11.	0.5	22
71	Interfacial complexation behavior of anionic andÂcationic cellulose derivatives. RSC Advances, 2014, 4, 55459-55465.	1.7	10
72	Complexation behavior of poly(acrylic acid) and lanthanide ions. Polymer, 2014, 55, 1183-1189.	1.8	40

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73	Facile seed-assisted hydrothermal fabrication of Î³-AlOOH nanoflake films with superhydrophobicity. New Journal of Chemistry, 2014, 38, 1321.	1.4	22
74	Rhodamine loading and releasing behavior of hydrogen-bonded poly(vinylpyrrolidone)/poly(acrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.3	12
75	Hydrogen bond detachment in polymer complexes. Polymer, 2013, 54, 5382-5390.	1.8	31
76	Preparation, Structure, and Optical Properties of the 1D Chain Red Luminescent Europium Coordination Polymer: {[Eu₂L₆(DMF)Â(H₂O)]Â·2DMFÂ·H₂O}_n (L = C₉H₆ClO₂^{â€“}). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 121-124.	0.6	6
77	Morphology transformation of polystyrene-block-poly(ethylene oxide) vesicle on surface. Polymer, 2013, 54, 3709-3715.	1.8	7
78	â€œSchizophrenicâ€•Micellization of Poly(Acrylic Acid)-B-Poly(2-Dimethylamino)Ethyl Methacrylate and Responsive Behavior of the Micelles. Soft Materials, 2013, 11, 394-402.	0.8	9
79	Hydrogen bonding effect on micellization and morphological transformations of the polystyrene-block-poly(ethylene oxide) micelles. Soft Matter, 2012, 8, 10307.	1.2	12
80	Effect of temperature on the build-up and post hydrothermal processing of hydrogen-bonded PVPON/PAA film. Soft Matter, 2011, 7, 9435.	1.2	22
81	Fluorescence staining and confocal laser scanning microscopy study of hydrogen-bonded poly(vinylpyrrolidone)/poly(acrylic acid) film. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 392, 83-87.	2.3	10
82	A Giant Surfactant of Polystyreneâ˜'(Carboxylic Acid-Functionalized Polyhedral Oligomeric) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td the American Chemical Society, 2010, 132, 16741-16744.	6.6	235
83	Polymethylsilsesquioxane and hydroxylâ€terminated polydimethylsiloxane composite: Vapor incubation before thermal curing. Journal of Applied Polymer Science, 2009, 111, 1454-1461.	1.3	6
84	Doubleâ€network hydrogel with high mechanical strength prepared from two biocompatible polymers. Journal of Applied Polymer Science, 2009, 112, 3063-3070.	1.3	66
85	Patterning of hydrogen-bonded assembly film through ionization in vapor. Thin Solid Films, 2009, 517, 3024-3027.	0.8	8
86	Fabryâ€“PÃ©rot fringes of hydrogen-bonded assembly films. Thin Solid Films, 2008, 516, 4018-4024.	0.8	27
87	The influence of pH on a hydrogen-bonded assembly film. Soft Matter, 2007, 3, 463-469.	1.2	59
88	Preparation, curing kinetics, and thermal properties of bisphenol fluorene epoxy resin. Journal of Applied Polymer Science, 2007, 106, 1476-1481.	1.3	21
89	From Cloudy to Transparent: Chain Rearrangement in Hydrogen-Bonded Layer-by-Layer Assembled Films. ChemPhysChem, 2007, 8, 418-424.	1.0	24
90	Water uptake behavior of hydrogen-bonded PVPONâ€“PAA LBL film. Soft Matter, 2006, 2, 699-704.	1.2	42

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91	Fabryâ"Perot Fringes and Their Application To Study the Film Growth, Chain Rearrangement, and Erosion of Hydrogen-Bonded PVPON/PAA Films. Journal of Physical Chemistry B, 2006, 110, 13484-13490.	1.2	68
92	Composite Thin Film by Hydrogen-Bonding Assembly of Polymer Brush and Poly(vinylpyrrolidone). Langmuir, 2006, 22, 338-343.	1.6	46
93	Porous and Nonporous Nanocapsules by H-Bonding Self-Assembly. Macromolecules, 2004, 37, 10059-10062.	2.2	48
94	Fabrication of Stable Hollow Capsules by Covalent Layer-by-Layer Self-Assembly. Macromolecules, 2003, 36, 4238-4240.	2.2	105
95	Photo-induced DNA cleavage in self-assembly multilayer films. New Journal of Chemistry, 2002, 26, 617-620.	1.4	16