

Yunlan Su

List of Publications by Year in descending order

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86
papers

2,672
citations

201575

27
h-index

206029

48
g-index

86
all docs

86
docs citations

86
times ranked

3837
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical properties of PNIPAM based hydrogels: A review. <i>Materials Science and Engineering C</i> , 2017, 70, 842-855.	3.8	425
2	High-performance Pd@Au bimetallic catalyst with mesoporous silica nanoparticles as support and its catalysis of cinnamaldehyde hydrogenation. <i>Journal of Catalysis</i> , 2012, 291, 36-43.	3.1	195
3	Preparation and characterization of ZnO/TiO ₂ , SO ₄ ²⁻ /ZnO/TiO ₂ photocatalyst and their photocatalysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 168, 7-13.	2.0	167
4	Fused filament fabrication of polymer materials: A review of interlayer bond. <i>Additive Manufacturing</i> , 2021, 37, 101658.	1.7	88
5	Crystallization Features of Normal Alkanes in Confined Geometry. <i>Accounts of Chemical Research</i> , 2014, 47, 192-201.	7.6	80
6	A tough hydrogel@hydroxyapatite bone-like composite fabricated in situ by the electrophoresis approach. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1755.	2.9	66
7	Condensation effect of cholesterol, stigmasterol, and sitosterol on dipalmitoylphosphatidylcholine in molecular monolayers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 293, 123-129.	2.3	60
8	A novel biocompatible double network hydrogel consisting of konjac glucomannan with high mechanical strength and ability to be freely shaped. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1769-1778.	2.9	60
9	Alkaline lignin derived porous carbon as an efficient scaffold for lithium-selenium battery cathode. <i>Carbon</i> , 2017, 122, 547-555.	5.4	60
10	An effective Pd-promoted gold catalyst supported on mesoporous silica particles for the oxidation of benzyl alcohol. <i>Applied Catalysis B: Environmental</i> , 2013, 140-141, 419-425.	10.8	50
11	Fractionated crystallization in semicrystalline polymers. <i>Progress in Polymer Science</i> , 2021, 115, 101376.	11.8	48
12	Nano-hydroxyapatite/polyacrylamide composite hydrogels with high mechanical strengths and cell adhesion properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 959-964.	2.5	47
13	Mechanical properties of 3D parts fabricated by fused deposition modeling: Effect of various fillers in polylactide. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47824.	1.3	46
14	Correlation between Grafting Density and Confined Crystallization Behavior of Poly(ethylene glycol) Grafted to Silica. <i>Macromolecules</i> , 2019, 52, 1505-1516.	2.2	45
15	Interactions between Metal Ions and Carbohydrates. Coordination Behavior of Neutral Erythritol to Ca(II) and Lanthanide Ions. <i>Inorganic Chemistry</i> , 2003, 42, 5844-5856.	1.9	44
16	Influence of magnesium source on the crystallization behaviors of magnesium hydroxide. <i>Journal of Crystal Growth</i> , 2008, 310, 3771-3778.	0.7	43
17	The cationic surfactant-assisted syntheses of 26-faceted and hexapod-shaped Cu ₂ O and their electrochemical performances. <i>CrystEngComm</i> , 2011, 13, 4174.	1.3	41
18	Reexamining the Crystallization of Poly(ϵ -caprolactone) and Isotactic Polypropylene under Hard Confinement: Nucleation and Orientation. <i>Macromolecules</i> , 2017, 50, 9015-9023.	2.2	40

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19	Enhancement of anodic oxidation of formic acid on palladium decorated Pt/C catalyst. <i>Journal of Power Sources</i> , 2010, 195, 6459-6462.	4.0	38
20	Hollow hydroxyapatite spheres fabrication with three-dimensional hydrogel template. <i>CrystEngComm</i> , 2014, 16, 4202-4209.	1.3	38
21	Confined crystallization of binary n-alkane mixtures: stabilization of a new rotator phase by enhanced surface freezing and weakened intermolecular interactions. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 15031.	1.3	35
22	Phase change materials of n-alkane-containing microcapsules: observation of coexistence of ordered and rotator phases. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 2021.	1.3	35
23	In situ synthesis of bilayered gradient poly(vinyl alcohol)/hydroxyapatite composite hydrogel by directional freezing-thawing and electrophoresis method. <i>Materials Science and Engineering C</i> , 2017, 77, 76-83.	3.8	35
24	Effect of Geometrical Confinement on the Nucleation and Crystallization Behavior of n-Alkane Mixtures. <i>Journal of Physical Chemistry B</i> , 2008, 112, 16485-16489.	1.2	34
25	FT-IR spectroscopic study on the variations of molecular structures of some carboxyl acids induced by free electron laser. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 62, 1209-1215.	2.0	33
26	Solid-Solid Phase Transition of n-Alkanes in Multiple Nanoscale Confinement. <i>Journal of Physical Chemistry B</i> , 2010, 114, 1388-1392.	1.2	31
27	Crystallization Behavior of Binary Even-Even n-Alkane Mixtures in Microcapsules: Effect of Composition and Confined Geometry on Solid-Solid phase Separation. <i>Journal of Physical Chemistry B</i> , 2011, 115, 4632-4638.	1.2	29
28	Fused deposition modeling with polyamide 1012. <i>Rapid Prototyping Journal</i> , 2019, 25, 1145-1154.	1.6	28
29	Interactions between metal ions and carbohydrates: the coordination behavior of neutral erythritol to zinc and europium nitrate. <i>Journal of Inorganic Biochemistry</i> , 2004, 98, 1251-1260.	1.5	26
30	Interfacial effect on confined crystallization of poly(ethylene oxide)/silica composites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 414-423.	2.4	25
31	Nanoparticle Enlarged Interfacial Effect on Phase Transition of 1-Octadecanol/Silica Composites. <i>Journal of Physical Chemistry B</i> , 2015, 119, 2074-2080.	1.2	24
32	Structure-Function Relationship of Calcium Alginate Hydrogels: A Novel Crystal-Forming Engineering. <i>Crystal Growth and Design</i> , 2009, 9, 3470-3476.	1.4	23
33	Comparison investigation of the effects of ionic surfactants on the crystallization behavior of calcium oxalate: From cationic to anionic surfactant. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 401, 107-115.	2.3	23
34	Crystallization and oriented attachment of monohydrocalcite and its crystalline phase transformation. <i>CrystEngComm</i> , 2013, 15, 509-515.	1.3	23
35	Suppression of the Phase Separation in Binary n-Alkane Solid Solutions by Geometrical Confinement. <i>Journal of Physical Chemistry B</i> , 2009, 113, 3269-3272.	1.2	22
36	Binary n-Alkane Mixtures from Total Miscibility to Phase Separation in Microcapsules: Enrichment of Shorter Component in Surface Freezing and Enhanced Stability of Rotator Phases. <i>Journal of Physical Chemistry B</i> , 2012, 116, 3099-3105.	1.2	22

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37	Biomimetic fabrication of pseudohexagonal aragonite tablets through a temperature-varying approach. <i>Chemical Communications</i> , 2010, 46, 4607.	2.2	21
38	Crystallization kinetics and nanoparticle ordering in semicrystalline polymer nanocomposites. <i>Progress in Polymer Science</i> , 2022, 128, 101527.	11.8	21
39	Interactions between metal ions and carbohydrates: the coordination behavior of neutral erythritol to transition metal ions. <i>Journal of Inorganic Biochemistry</i> , 2004, 98, 1284-1292.	1.5	20
40	An Ion-Exchange Approach to the Crystal Design of Barium Sulfate in the Presence of Ionic Surfactants. <i>Crystal Growth and Design</i> , 2011, 11, 2084-2090.	1.4	20
41	Sugar interaction with metal ions. The coordination behavior of neutral galactitol to Ca(II) and lanthanide ions. <i>Carbohydrate Research</i> , 2002, 337, 1485-1493.	1.1	19
42	Facile and controllable synthesis of hybrid silica nanoparticles densely grafted with poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	19
43	Crystallization and morphological control of calcium carbonate by functionalized triblock copolymers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 355, 158-162.	2.3	18
44	Confined crystallization behaviors in polyethylene/silica nanocomposites: Synergetic effects of interfacial interactions and filler network. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 498-505.	2.4	18
45	Manipulating crystallization behavior of poly(ethylene oxide) by functionalized nanoparticle inclusion. <i>Polymer</i> , 2019, 165, 28-38.	1.8	18
46	Correlation between welding behavior and mechanical anisotropy of long chain polyamide 12 manufactured with fused filament fabrication. <i>Polymer</i> , 2021, 213, 123318.	1.8	18
47	Synthesis of amphiphilic triblock copolymers and application for morphology control of calcium carbonate crystals. <i>Polymer</i> , 2007, 48, 4344-4351.	1.8	17
48	Konjac glucomannan/polyacrylamide bicomponent hydrogels: Self-healing originating from semi-interpenetrating network. <i>Polymer</i> , 2016, 103, 146-151.	1.8	17
49	Controlled Mineralization of Calcium Carbonate on the Surface of Nonpolar Organic Fibers. <i>Crystal Growth and Design</i> , 2012, 12, 29-32.	1.4	16
50	Confined Crystallization of <i>n</i> -Hexadecane Located inside Microcapsules or outside Submicrometer Silica Nanospheres: A Comparison Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 6323-6329.	1.2	16
51	Direct Relationship Between Interfacial Microstructure and Confined Crystallization in Poly(Ethylene Oxide)/Silica Composites: The Study of Polymer Molecular Weight Effects. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 1608-1616.	2.4	16
52	Direct Relationship between Dispersion and Crystallization Behavior in Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td (oxid	2.2	16
53	The role of poly (ethylene glycol) on crystallization, interlayer bond and mechanical performance of polylactide parts fabricated by fused filament fabrication. <i>Additive Manufacturing</i> , 2020, 35, 101414.	1.7	15
54	Synergistic effect of plasticizer and nucleating agent on crystallization behavior of polylactide during fused filament fabrication. <i>Polymer</i> , 2021, 215, 123426.	1.8	15

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55	Interaction between Metal Nitrates and Carbohydrates: The Topology Coordination Behavior of Galactitol with Trivalent Lanthanide and Divalent Alkaline Earth Ions. <i>Inorganic Chemistry</i> , 2007, 46, 5508-5517.	1.9	14
56	Spectroscopic studies of the effect of the metal ions on the structure of mucin. <i>Journal of Molecular Structure</i> , 2009, 920, 8-13.	1.8	14
57	Fabrication of Silver Nanorods Controlled by a Segmented Copolymer. <i>Journal of Physical Chemistry C</i> , 2007, 111, 13673-13678.	1.5	13
58	Transcriptive Synthesis of Mg(OH) ₂ Hollow Nanospheres and the Non-Equilibrium Shell Fusion Assisted by Catanionic Vesicles. <i>Journal of Physical Chemistry B</i> , 2009, 113, 11362-11366.	1.2	13
59	Complex of trivalent lanthanum ion with galactitol in the solid state: the crystal structure and an FT-IR study of LaCl ₃ ·galactitol·6H ₂ O. <i>Journal of Molecular Structure</i> , 2002, 616, 221-230.	1.8	12
60	New, rapid fluorescence stain method for histologic sections using lanthanide complexes. <i>Analytical Biochemistry</i> , 2005, 347, 89-93.	1.1	12
61	Phase Transition Behavior of a Series of Even <i>n</i> -Alkane C _{<i>n</i>} /C _{<i>n</i>+2} Mixtures Confined in Microcapsules: From Total Miscibility to Phase Separation Determined by Confinement Geometry and Repulsion Energy. <i>Journal of Physical Chemistry B</i> , 2013, 117, 13914-13921.	1.2	12
62	Sugar complexes with neodymium nitrate. <i>Carbohydrate Research</i> , 2003, 338, 2029-2034.	1.1	11
63	Crystal structures and spectroscopic characterization of galactitol complexes of trivalent lanthanide and divalent alkaline earth chlorides. <i>Carbohydrate Research</i> , 2006, 341, 75-83.	1.1	11
64	Pore decoration on microcapsule surface using nonionic surfactant micelles as template: Temperature effect and encapsulation mechanism investigation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2011, 384, 219-227.	2.3	11
65	Catanionic Surfactant-Assisted Mineralization and Structural Properties of Single-Crystal-like Vaterite Hexagonal Bifrustums. <i>Langmuir</i> , 2015, 31, 2502-2510.	1.6	9
66	Oil-in-Water Emulsion Templated and Crystallization-Driven Self-Assembly Formation of Poly(<i>l</i> -lactide)@Polyoxyethylene@Poly(<i>l</i> -lactide) Fibers. <i>Langmuir</i> , 2017, 33, 13060-13067.	1.6	8
67	Effect of carbon nanotubes on mechanical properties of polyamide 12 parts by fused filament fabrication. <i>Polymer</i> , 2022, 247, 124784.	1.8	8
68	Sugar interaction with metal ion: crystal structure and spectroscopic study of SrCl ₂ ·galactitol·4H ₂ O. <i>Journal of Inorganic Biochemistry</i> , 2003, 94, 43-49.	1.5	7
69	Confined Phase Diagram of Binary <i>n</i> -Alkane Mixtures within Three-Dimensional Microcapsules. <i>Journal of Physical Chemistry B</i> , 2014, 118, 12549-12555.	1.2	7
70	Two-Step Freezing in Alkane Monolayers on Colloidal Silica Nanoparticles: From a Stretched-Liquid to an Interface-Frozen State. <i>Journal of Physical Chemistry B</i> , 2016, 120, 7522-7528.	1.2	7
71	Synergetic effects of interfacial and spatial confinement in polymer nanocomposites. <i>Modern Physics Letters B</i> , 2017, 31, 1730003.	1.0	7
72	Isothermal Crystallization Kinetics of Poly(ethylene oxide)/Poly(ethylene glycol)-g-silica Nanocomposites. <i>Polymers</i> , 2021, 13, 648.	2.0	6

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73	Study on the variations of molecular structures of some biomolecules induced by free electron laser using FTIR spectroscopy. Nuclear Instruments & Methods in Physics Research B, 2007, 258, 362-368.	0.6	5
74	Facile synthesis of elongated calcite superstructure by triblock copolymers with precisely designed block length. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 342, 122-126.	2.3	4
75	Probing into double crystallisation behaviour of polypropylene/CaCO ₃ composites. Plastics, Rubber and Composites, 2010, 39, 425-429.	0.9	4
76	Formation of calcite with stepped (104) face under control of poly (ethylene glycol)-b-poly (l-leucine) at the air-solution interface. CrystEngComm, 2013, 15, 3417.	1.3	4
77	New insight into the thermal-oxidative stability of polyamide 6: A comparison investigation on the effect of hindered amine and CuI/KI. Polymer Engineering and Science, 2021, 61, 348-361.	1.5	4
78	Preparation of High Performance Core-Shell PdRu@Pt/CNT Electrocatalyst. Wuli Huaxue Xuebao/ Acta Physico-Chimica Sinica, 2011, 27, 2379-2384.	2.2	4
79	Luminescence studies on europium-strontium phthalate system. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2002, 58, 2803-2808.	2.0	3
80	Study on the preparation process of large particle cerium oxide. Journal of Rare Earths, 2010, 28, 136-138.	2.5	3
81	Unusual Interfacial Freezing Phenomena in Hexacontane/Silica Composites. Journal of Physical Chemistry B, 2017, 121, 6659-6666.	1.2	3
82	Interfacial effects on crystallization behavior of polymer nanocomposites with polymer-grafted nanoparticles. Polymer Crystallization, 2019, 2, e10066.	0.5	2
83	Progress in Studies of Confined Crystallization of Long-chain n-Alkanes. Acta Polymerica Sinica, 2014, 014, 22-30.	0.0	2
84	Effect of dl-homocysteic acid on W/O microemulsions of potassium naphthenate/1-octanol-n-heptane. Journal of Colloid and Interface Science, 2005, 283, 231-237.	5.0	1
85	Integrative and intermediate self-assembly of multi-walled hybrid nanotubes for cationic biomimetics. Chemical Communications, 2011, 47, 12482.	2.2	1
86	æœ%æœ°é«~ã^tãç»“æ™¶çš,,èj“ç•œéœ•ã°”r/4šă»Žæžçf•çffã°é«~ã^tã• Scientia Sinica Chimica, 2022, , .	0.2	1