

Yunlan Su

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3849413/publications.pdf>

Version: 2024-02-01

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	Effect of carbon nanotubes on mechanical properties of polyamide 12 parts by fused filament fabrication. <i>Polymer</i> , 2022, 247, 124784.	0.2	1
2	Crystallization kinetics and nanoparticle ordering in semicrystalline polymer nanocomposites. <i>Progress in Polymer Science</i> , 2022, 128, 101527.	11.8	21
3	Fused filament fabrication of polymer materials: A review of interlayer bond. <i>Additive Manufacturing</i> , 2021, 37, 101658.	1.7	88
4	New insight into the thermal oxidative stability of polyamide 6: A comparison investigation on the effect of hindered amine and CuCl. <i>Polymer Engineering and Science</i> , 2021, 61, 348-361.	1.5	4
5	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
6	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
7	Isothermal Crystallization Kinetics of Poly(ethylene oxide)/Poly(ethylene glycol)-g-silica Nanocomposites. <i>Polymers</i> , 2021, 13, 648.	2.0	6
8	Direct Relationship between Dispersion and Crystallization Behavior in Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 4	2.2	16
9	Fractionated crystallization in semicrystalline polymers. <i>Progress in Polymer Science</i> , 2021, 115, 101376.	11.8	48
10	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
11	Interfacial effects on crystallization behavior of polymer nanocomposites with polymer-grafted nanoparticles. <i>Polymer Crystallization</i> , 2019, 2, e10066.	0.5	2
12	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
13	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
14	Fused deposition modeling with polyamide 1012. <i>Rapid Prototyping Journal</i> , 2019, 25, 1145-1154.	1.6	28
15	Manipulating crystallization behavior of poly(ethylene oxide) by functionalized nanoparticle inclusion. <i>Polymer</i> , 2019, 165, 28-38.	1.8	18
16	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
17	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

#	ARTICLE	IF	CITATIONS
19	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
20	Oil-in-Water Emulsion Templated and Crystallization-Driven Self-Assembly Formation of Poly(ϵ -caprolactone)- <i>l</i> -lysine/Polyoxyethylene-Poly(ϵ -caprolactone) Fibers. <i>Langmuir</i> , 2017, 33, 13060-13067.	1.6	8
21	Synergetic effects of interfacial and spatial confinement in polymer nanocomposites. <i>Modern Physics Letters B</i> , 2017, 31, 1730003.	1.0	7
22	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
23	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
24	Unusual Interfacial Freezing Phenomena in Hexacontane/Silica Composites. <i>Journal of Physical Chemistry B</i> , 2017, 121, 6659-6666.	1.2	3
25	Alkaline lignin derived porous carbon as an efficient scaffold for lithium-selenium battery cathode. <i>Carbon</i> , 2017, 122, 547-555.	5.4	60
26	Mechanical properties of PNIPAM based hydrogels: A review. <i>Materials Science and Engineering C</i> , 2017, 70, 842-855.	3.8	425
27	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
28	Konjac glucomannan/polyacrylamide bicomponent hydrogels: Self-healing originating from semi-interpenetrating network. <i>Polymer</i> , 2016, 103, 146-151.	1.8	17
29	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
30	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
31	Catanionic Surfactant-Assisted Mineralization and Structural Properties of Single-Crystal-like Vaterite Hexagonal Bifrustums. <i>Langmuir</i> , 2015, 31, 2502-2510.	1.6	9
32	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
33	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
34	Crystallization Features of Normal Alkanes in Confined Geometry. <i>Accounts of Chemical Research</i> , 2014, 47, 192-201.	7.6	80
35	Hollow hydroxyapatite spheres fabrication with three-dimensional hydrogel template. <i>CrystEngComm</i> , 2014, 16, 4202-4209.	1.3	38
36	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

#	ARTICLE	IF	CITATIONS
37	Progress in Studies of Confined Crystallization of Long-chain n-Alkanes. <i>Acta Polymerica Sinica</i> , 2014, 014, 22-30.	0.0	2
38	Crystallization and oriented attachment of monohydrocalcite and its crystalline phase transformation. <i>CrystEngComm</i> , 2013, 15, 509-515.	1.3	23
39	Formation of calcite with stepped (104) face under control of poly (ethylene glycol)-b-poly (L-leucine) at the air-water solution interface. <i>CrystEngComm</i> , 2013, 15, 3417.	1.3	4
40	Phase Transition Behavior of a Series of Even n-Alkane C _n /C _{n+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
41	Confined Crystallization of n-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
42	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
43	A tough hydrogel-like hydroxyapatite bone-like composite fabricated in situ by the electrophoresis approach. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1755.	2.9	66
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	Crystallization Behavior of Binary 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
52	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
53	Integrative and intermediate self-assembly of multi-walled hybrid nanotubes for cationic biomimetics. <i>Chemical Communications</i> , 2011, 47, 12482.	2.2	1
54	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

#	ARTICLE	IF	CITATIONS
55	Preparation of High Performance Core-Shell PdRu@Pt/CNT Electrocatalyst. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2011, 27, 2379-2384.	2.2	4
56	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
57	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
58	Study on the preparation process of large particle cerium oxide. <i>Journal of Rare Earths</i> , 2010, 28, 136-138.	2.5	3
59	Probing into double crystallisation behaviour of polypropylene/CaCO ₃ composites. <i>Plastics, Rubber and Composites</i> , 2010, 39, 425-429.	0.9	4
60	Solid [→] Solid Phase Transition of <i>n</i> -Alkanes in Multiple Nanoscale Confinement. <i>Journal of Physical Chemistry B</i> , 2010, 114, 1388-1392.	1.2	31
61	Biomimetic fabrication of pseudohexagonal aragonite tablets through a temperature-varying approach. <i>Chemical Communications</i> , 2010, 46, 4607.	2.2	21
62	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
63	Facile synthesis of elongated calcite superstructure by triblock copolymers with precisely designed block length. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 342, 122-126.	2.3	4
64	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
65	Suppression of the Phase Separation in Binary <i>n</i> -Alkane Solid Solutions by Geometrical Confinement. <i>Journal of Physical Chemistry B</i> , 2009, 113, 3269-3272.	1.2	22
66	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
67	Influence of magnesium source on the crystallization behaviors of magnesium hydroxide. <i>Journal of Crystal Growth</i> , 2008, 310, 3771-3778.	0.7	43
68	Effect of Geometrical Confinement on the Nucleation and Crystallization Behavior of <i>n</i> -Alkane Mixtures. <i>Journal of Physical Chemistry B</i> , 2008, 112, 16485-16489.	1.2	34
69	Fabrication of Silver Nanorods Controlled by a Segmented Copolymer. <i>Journal of Physical Chemistry C</i> , 2007, 111, 13673-13678.	1.5	13
70	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
71	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
72	Synthesis of amphiphilic triblock copolymers and application for morphology control of calcium carbonate crystals. <i>Polymer</i> , 2007, 48, 4344-4351.	1.8	17

#	ARTICLE	IF	CITATIONS
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	Crystal structures and spectroscopic characterization of galactitol complexes of trivalent lanthanide and divalent alkaline earth chlorides. Carbohydrate Research, 2006, 341, 75-83.	1.1	11
75	FT-IR spectroscopic study on the variations of molecular structures of some carboxyl acids induced by free electron laser. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 62, 1209-1215.	2.0	33
76	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
77	New, rapid fluorescence stain method for histologic sections using lanthanide complexes. Analytical Biochemistry, 2005, 347, 89-93.	1.1	12
78	Preparation and characterization of ZnO/TiO ₂ , SO ₄ ²⁻ /ZnO/TiO ₂ photocatalyst and their photocatalysis. Journal of Photochemistry and Photobiology A: Chemistry, 2004, 168, 7-13.	2.0	167
79	Interactions between metal ions and carbohydrates: the coordination behavior of neutral erythritol to transition metal ions. Journal of Inorganic Biochemistry, 2004, 98, 1284-1292.	1.5	20
80	Interactions between metal ions and carbohydrates: the coordination behavior of neutral erythritol to zinc and europium nitrate. Journal of Inorganic Biochemistry, 2004, 98, 1251-1260.	1.5	26
81	Sugar complexes with neodymium nitrate.. Carbohydrate Research, 2003, 338, 2029-2034.	1.1	11
82	Sugar interaction with metal ion: crystal structure and spectroscopic study of SrCl ₂ ·galactitol·4H ₂ O. Journal of Inorganic Biochemistry, 2003, 94, 43-49.	1.5	7
83	Interactions between Metal Ions and Carbohydrates. Coordination Behavior of Neutral Erythritol to Ca(II) and Lanthanide Ions. Inorganic Chemistry, 2003, 42, 5844-5856.	1.9	44
84	Luminescence studies on europium-strontium phthalate system. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2002, 58, 2803-2808.	2.0	3
85	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. Journal of Molecular Structure, 2002, 616, 221-230.	1.8	12
86	Sugar interaction with metal ions. The coordination behavior of neutral galactitol to Ca(II) and lanthanide ions. Carbohydrate Research, 2002, 337, 1485-1493.	1.1	19