Juan Peng

List of Publications by Year in descending order

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86 papers	2,780 citations	186265 28 h-index	189892 50 g-index
89 all docs	89 docs citations	89 times ranked	3626 citing authors

#	Article	IF	Citations
1	Semiconducting Spaghetti-like Organicâ€“Inorganic Nanojunctions via Sequential Self-Assembly of Conjugated Polymers and Quantum Dots. Chemistry of Materials, 2022, 34, 847-853.	6.7	6
2	Rapid Meniscusâ€Assisted Solutionâ€Printing of Conjugated Block Copolymers for Fieldâ€Effect Transistors (Adv. Funct. Mater. 14/2022). Advanced Functional Materials, 2022, 32, .	14.9	0
3	Rapid Meniscusâ€Assisted Solutionâ€Printing of Conjugated Block Copolymers for Fieldâ€Effect Transistors. Advanced Functional Materials, 2022, 32, .	14.9	5
4	Unfolding the cocrystallizationâ€“charge transport correlation in all-conjugated triblock copolymers via meticulous molecular engineering for organic field-effect transistors. Nano Energy, 2022, 100, 107489.	16.0	5
5	Transforming Polymorphs via Meniscus-Assisted Solution-Shearing Conjugated Polymers for Organic Field-Effect Transistors. ACS Nano, 2022, 16, 11194-11203.	14.6	18
6	One-dimensional hairy CNT/polymer/Au nanocomposites via ligating with amphiphilic crosslinkable block copolymers. Giant, 2021, 5, 100048.	5.1	7
7	Largeâ€Scale Rapid Positioning of Hierarchical Assemblies of Conjugated Polymers via Meniscusâ€Assisted Selfâ€Assembly. Angewandte Chemie, 2021, 133, 11857-11863.	2.0	4
8	Largeâ€Scale Rapid Positioning of Hierarchical Assemblies of Conjugated Polymers via Meniscusâ€Assisted Selfâ€Assembly. Angewandte Chemie - International Edition, 2021, 60, 11751-11757.	13.8	14
9	Bottlebrush polymers: From controlled synthesis, self-assembly, properties to applications. Progress in Polymer Science, 2021, 116, 101387.	24.7	138
10	Tailoring Cocrystallization and Microphase Separation in Rodâ€“Rod Block Copolymers for Field-Effect Transistors. Macromolecules, 2021, 54, 4571-4581.	4.8	15
11	Correlating crystalline structure with charge mobility in conjugated statistical copolymers for field-effect transistors. Polymer, 2021, 227, 123854.	3.8	4
12	Structural basis for diguanylate cyclase activation by its binding partner in Pseudomonas aeruginosa. ELife, 2021, 10, .	6.0	8
13	Bleifreie Halogenidâ€Perowskitâ€Nanokristalle: Kristallstrukturen, Synthese, StabilitÃten und optische Eigenschaften. Angewandte Chemie, 2020, 132, 1042-1059.	2.0	22
14	Leadâ€Free Halide Perovskite Nanocrystals: Crystal Structures, Synthesis, Stabilities, and Optical Properties. Angewandte Chemie - International Edition, 2020, 59, 1030-1046.	13.8	320
15	A Simple Route to Hierarchical Rings of Diblock Copolymer Micelles. Macromolecular Rapid Communications, 2020, 41, 1900525.	3.9	2
16	Iron facilitates the <scp>RetSâ€Gacâ€Rsm</scp> cascade to inversely regulate protease <scp>IV</scp> (piv) expression via the sigma factor <scp>PvdS</scp> in <scp>Pseudomonas aeruginosa</scp>. Environmental Microbiology, 2020, 22, 5402-5413.	3.8	7
17	Recent advances in conjugated polythiophene-based rodâ€“rod block copolymers: From morphology control to optoelectronic applications. Giant, 2020, 4, 100039.	5.1	25
18	Unravelling the Correlation between Microphase Separation and Cocrystallization in Thiophene-Selenophene Block Copolymers for Organic Field-Effect Transistors. Macromolecules, 2020, 53, 10245-10255.	4.8	13

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19	Rapid Capillaryâ€Assisted Solution Printing of Perovskite Nanowire Arrays Enables Scalable Production of Photodetectors. Angewandte Chemie, 2020, 132, 15052-15059.	2.0	1
20	Rapid Capillaryâ€Assisted Solution Printing of Perovskite Nanowire Arrays Enables Scalable Production of Photodetectors. Angewandte Chemie - International Edition, 2020, 59, 14942-14949.	13.8	36
21	Effect of Block Sequence in All-Conjugated Triblock Copoly(3-alkylthiophene)s on Control of the Crystallization and Field-Effect Mobility. Macromolecules, 2020, 53, 5775-5786.	4.8	16
22	Strongly-ligated perovskite quantum dots with precisely controlled dimensions and architectures for white light-emitting diodes. Nano Energy, 2020, 77, 105043.	16.0	52
23	The SiaA/B/C/D signaling network regulates biofilm formation in Pseudomonas aeruginosa. EMBO Journal, 2020, 39, e103412.	7.8	29
24	Genomic characterisation of clinical Pseudomonas aeruginosa isolate PAG5 with a multidrug-resistant megaplasmid from China. Journal of Global Antimicrobial Resistance, 2020, 21, 130-131.	2.2	7
25	Cocrystallization-Promoted Charge Mobility in All-Conjugated Diblock Copolymers for High-Performance Field-Effect Transistors. ACS Applied Materials & Interfaces, 2020, 12, 58094-58104.	8.0	15
26	Resolving Optical and Catalytic Activities in Thermoresponsive Nanoparticles by Permanent Ligation with Temperatureâ€Sensitive Polymers. Angewandte Chemie, 2019, 131, 12036-12043.	2.0	7
27	Rapid Route to Polar Solvent-Directed Growth of Perovskite Nanowires. ACS Applied Nano Materials, 2019, 2, 7910-7915.	5.0	9
28	Resolving Optical and Catalytic Activities in Thermoresponsive Nanoparticles by Permanent Ligation with Temperatureâ€Sensitive Polymers. Angewandte Chemie - International Edition, 2019, 58, 11910-11917.	13.8	80
29	Visible light-driven superoxide generation by conjugated polymers for organic synthesis. Nano Research, 2018, 11, 1099-1108.	10.4	16
30	Hierarchical Self-Assembly of Conjugated Block Copolymers and Semiconducting Nanorods into One-Dimensional Nanocomposites. Macromolecules, 2018, 51, 8833-8843.	4.8	21
31	Hydrogen-bonding-directed helical nanofibers in a polythiophene-based all-conjugated diblock copolymer. Soft Matter, 2018, 14, 5906-5912.	2.7	13
32	Unravelling the Correlation between Charge Mobility and Cocrystallization in Rodâ€“Rod Block Copolymers for Highâ€Performance Fieldâ€Effect Transistors. Angewandte Chemie - International Edition, 2018, 57, 8644-8648.	13.8	35
33	Unravelling the Correlation between Charge Mobility and Cocrystallization in Rodâ€“Rod Block Copolymers for Highâ€Performance Fieldâ€Effect Transistors. Angewandte Chemie, 2018, 130, 8780-8784.	2.0	4
34	Transformation from Nanofibers to Nanoribbons in Poly(3â€hexylthiophene) Solution by Adding Alkylthiols. Macromolecular Rapid Communications, 2018, 39, e1800048.	3.9	11
35	Preparation and Characterization of Highly Stable and Aqueous Dispersion of Conjugated Polyelectrolyte/Single-Walled Carbon Nanotube Nanocomposites. Acta Chimica Sinica, 2018, 76, 453.	1.4	4
36	Dipicolylamine Functionalized Polyfluorene Based Gel with Lower Critical Solution Temperature: Preparation, Characterization, and Application. ACS Applied Materials & Interfaces, 2017, 9, 8872-8879.	8.0	14

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37	Unconventional Route to Uniform Hollow Semiconducting Nanoparticles with Tailorable Dimensions, Compositions, Surface Chemistry, and Nearâ€Infrared Absorption. Angewandte Chemie - International Edition, 2017, 56, 12946-12951.	13.8	34
38	Tailoring Phase Transition in Poly(3-hexylselenophene) Thin Films and Correlating Their Crystalline Polymorphs with Charge Transport Properties for Organic Field-Effect Transistors. Macromolecules, 2017, 50, 9674-9682.	4.8	29
39	Controlling the morphology and crystallization of a thiophene-based all-conjugated diblock copolymer by solvent blending. Soft Matter, 2017, 13, 5261-5268.	2.7	11
40	Multistimuliâ€Responsive Luminescence Switching of Pyrazine Derivative Based Donorâ€“Acceptorâ€“Donor Luminophores. Chemistry - an Asian Journal, 2016, 11, 285-293.	3.3	24
41	Morphology control of poly(3-hexylthiophene)-b-poly(ethylene oxide) block copolymer by solvent blending. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 544-551.	2.1	14
42	Chemicalâ€Bondingâ€Directed Hierarchical Assembly of Nanoribbonâ€Shaped Nanocomposites of Gold Nanorods and Poly(3â€hexylthiophene). Angewandte Chemie, 2016, 128, 8828-8832.	2.0	17
43	Toward high efficiency organic photovoltaic devices with enhanced thermal stability utilizing P3HT-b-P3PHT block copolymer additives. Journal of Materials Chemistry A, 2016, 4, 18432-18443.	10.3	31
44	RÃ¼cktitelbild: Chemical-Bonding-Directed Hierarchical Assembly of Nanoribbon-Shaped Nanocomposites of Gold Nanorods and Poly(3-hexylthiophene) (Angew. Chem. 30/2016). Angewandte Chemie, 2016, 128, 8912-8912.	2.0	0
45	Chemicalâ€Bondingâ€Directed Hierarchical Assembly of Nanoribbonâ€Shaped Nanocomposites of Gold Nanorods and Poly(3â€hexylthiophene). Angewandte Chemie - International Edition, 2016, 55, 8686-8690.	13.8	30
46	Crystallization and Microphase Morphology of Side-Chain Cross-Linkable Poly(3-hexylthiophene)-block-poly[3-(6-hydroxy)hexylthiophene] Diblock Copolymers. Macromolecules, 2016, 49, 287-297.	4.8	28
47	Controlling morphology and crystalline structure in poly(3-hexylselenophene) solutions during aging. RSC Advances, 2015, 5, 107970-107976.	3.6	13
48	Formation of nanofibers in Poly(9,9-dioctylfluorene) toluene solutions during aging. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 633-639.	2.1	10
49	Self-Assembly of Conjugated Polymers Into Ring Structures by Breath Figures. Science of Advanced Materials, 2015, 7, 848-854.	0.7	1
50	<I>A Special Issue on</I> Functional Polymeric Nanomaterials. Science of Advanced Materials, 2015, 7, 827-829.	0.7	0
51	Synthesis, characterization, and solution structure of all-conjugated polyelectrolyte diblock copoly(3-hexylthiophene)s. RSC Advances, 2014, 4, 19646.	3.6	12
52	High-k titaniumâ€“aluminum oxide dielectric films prepared by inorganicâ€“organic hybrid solution. Journal of Sol-Gel Science and Technology, 2014, 71, 458-463.	2.4	8
53	Formation of starâ€like and linear nanofibers via controlled crystallization of poly(3â€dodecylthiophene). Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 1268-1272.	2.1	5
54	The Influencing Factors on the Ring-shaped Morphology in PI-b-P2VP Diblock Copolymer. Acta Chimica Sinica, 2013, 71, 1141.	1.4	2

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55	Transition from polythiophene-based one-dimensional nanofibers to spherical clusters in ultrafiltration. Soft Matter, 2012, 8, 9981.	2.7	12
56	Insights into poly(3â€hexylthiophene)â€bâ€poly(ethylene oxide) block copolymer: Synthesis and solventâ€induced structure formation in thin films. Journal of Polymer Science Part A, 2012, 50, 5060-5067.	2.3	29
57	Morphologies in Acetone-Annealed Polystyrene-Poly(methyl methacrylate) Diblock Copolymer Thin Films. Acta Chimica Sinica, 2012, 70, 1371.	1.4	1
58	Enhanced white-light emission from multiple fluorophores encapsulated in a single layer of diblock copolymer micelles. Chemical Communications, 2011, 47, 2787.	4.1	30
59	Microphase Separation of Block Copolymer Thin Films. Macromolecular Rapid Communications, 2010, 31, 591-608.	3.9	37
60	From Nanodot to Nanowire: Hybrid Au/Titania Nanoarrays by Block Copolymer Templates. Macromolecular Rapid Communications, 2009, 30, 1857-1861.	3.9	9
61	Photocatalytic printing of inorganic nanopatterns via poly(styrene-block-carbosilane) copolymer thin films on titania substrates. Chemical Communications, 2009, , 1091.	4.1	4
62	Nanostructured Gold Films for SERS by Block Copolymer-Templated Galvanic Displacement Reactions. Nano Letters, 2009, 9, 2384-2389.	9.1	133
63	Simultaneous blue, green, and red emission from diblock copolymer micellar films: a new approach to white-light emission. Chemical Communications, 2009, , 6723.	4.1	35
64	One step route to the fabrication of arrays of TiO₂nanobowls via a complementary block copolymer templating and solâ€“gel process. Soft Matter, 2008, 4, 515-521.	2.7	46
65	Two-Dimensional Arrays of Strings of TiO2 Nanoparticles via Cooperative Block Copolymer Self-Assembly. Chemistry of Materials, 2008, 20, 1200-1202.	6.7	18
66	Simultaneous light emissions from two different types of fluorophores in diblock copolymer micellar films. Applied Physics Letters, 2008, 93, .	3.3	9
67	Dewetting of Thin Polystyrene Films under Confinement. Langmuir, 2007, 23, 2326-2329.	3.5	23
68	Development of Nanodomain and Fractal Morphologies in Solvent Annealed Block Copolymer Thin Films. Macromolecular Rapid Communications, 2007, 28, 1422-1428.	3.9	53
69	Fabrication and Photocatalytic Activities of Morphologyâ€Controlled Titania Nanoobject Arrays by Block Copolymer Templates. Macromolecular Rapid Communications, 2007, 28, 2055-2061.	3.9	25
70	Morphology change of asymmetric diblock copolymer micellar films during solvent annealing. Polymer, 2007, 48, 2434-2443.	3.8	40
71	Morphologies in solvent-annealed thin films of symmetric diblock copolymer. Journal of Chemical Physics, 2006, 125, 064702.	3.0	94
72	An Optical Waveguide Study on the Nanopore Formation in Block Copolymer/Homopolymer Thin Films by Selective Solvent Swelling. Journal of Physical Chemistry B, 2006, 110, 15381-15388.	2.6	35

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73	A Polymer Composite Film with Reversible Responsive Behaviors. Macromolecular Rapid Communications, 2006, 27, 136-141.	3.9	16
74	Solvent vapor induced dewetting in diblock copolymer thin films. Polymer, 2005, 46, 5767-5772.	3.8	43
75	Solvent Induced Sphere Development in Symmetric Diblock Copolymer Thin Films. Macromolecular Rapid Communications, 2005, 26, 738-743.	3.9	26
76	Ordered porous polymer films via phase separation in humidity environment. Polymer, 2005, 46, 5334-5340.	3.8	69
77	Controlling the size of nanostructures in thin films via blending of block copolymers and homopolymers. Journal of Chemical Physics, 2005, 122, 114706.	3.0	49
78	Solvent-induced microphase separation in diblock copolymer thin films with reversibly switchable morphology. Journal of Chemical Physics, 2004, 120, 11163-11170.	3.0	89
79	Pattern formation in a confined polymer film induced by a temperature gradient. Polymer, 2004, 45, 8013-8017.	3.8	33
80	The Formation of Ordered Nanoholes in Binary, Chemically Similar, Symmetric Diblock Copolymer Blend Films. Macromolecular Rapid Communications, 2004, 25, 1181-1185.	3.9	2
81	Direct patterning of polymer-based photo luminescent structures with a mask. Thin Solid Films, 2004, 450, 329-333.	1.8	5
82	The influencing factors on the macroporous formation in polymer films by water droplet templating. Polymer, 2004, 45, 447-452.	3.8	254
83	Reversibly strain-tunable elastomeric photonic crystals. Chemical Physics Letters, 2004, 390, 285-289.	2.6	29
84	Morphology Development of Ultrathin Symmetric Diblock Copolymer Film via Solvent Vapor Treatment. Macromolecules, 2004, 37, 7301-7307.	4.8	199
85	Formation of Regular Hole Pattern in Polymer Films. Macromolecular Chemistry and Physics, 2003, 204, 125-130.	2.2	65
86	Pattern formation in polymer films under the mask. Polymer, 2003, 44, 2379-2384.	3.8	16