Shisheng Xiong

List of Publications by Year
in descending order

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33 papers	886 citations	567281 15 h-index	454955 30 g-index
33 all docs	33 docs citations	33 times ranked	1296 citing authors

#	Article	IF	Citations
1	Co decoration of molybdenum sulfide and carbon for improving lithium ion capacity of large monolayer MXene cathodes. Journal of Alloys and Compounds, 2022, 902, 163702.	5.5	2
2	Fabrication of Nanodevices Through Block Copolymer Self-Assembly. Frontiers in Nanotechnology, 2022, 4, .	4.8	15
3	Dewettingâ€Assisted Patterning of Organic Semiconductors for Microâ€OLED Arrays with a Pixel Size of 1ÂÂµm. Small Methods, 2022, 6, e2101509.	8.6	12
4	Roadmap on emerging hardware and technology for machine learning. Nanotechnology, 2021, 32, 012002.	2.6	104
5	CO₂â€Based Dualâ€Tone Resists for Electron Beam Lithography. Advanced Functional Materials, 2021, 31, 2007417.	14.9	20
6	Electron Beam Lithography: CO₂â€Based Dualâ€Tone Resists for Electron Beam Lithography (Adv. Funct. Mater. 13/2021). Advanced Functional Materials, 2021, 31, 2170086.	14.9	1
7	Highly Luminescent and Patternable Block Copolymer Templated 3D Perovskite Films. Advanced Materials Technologies, 2021, 6, 2001209.	5.8	10
8	Self-Aligned Assembly of a Poly(2-vinylpyridine)-b-Polystyrene-b-Poly(2-vinylpyridine) Triblock Copolymer on Graphene Nanoribbons. ACS Applied Materials & Interfaces, 2021, 13, 41190-41199.	8.0	0
9	MonkeyPosekit: Automated Markerless 2D Pose Estimation of Monkey. , 2021, , .		0
10	Nanotube network arrays with nickel oxide canopies as flexible high-energy anodes for lithium storage. Journal of Alloys and Compounds, 2020, 847, 156366.	5.5	4
11	Boundary-directed epitaxy of block copolymers. Nature Communications, 2020, 11, 4151.	12.8	22
12	Three-Dimensional PrGO-Based Sandwich Composites With MoS2 Flowers as Stuffings for Superior Lithium Storage. Frontiers in Chemistry, 2020, 8, 94.	3.6	1
13	Directed self-assembly of block copolymers for sub-10 nm fabrication. International Journal of Extreme Manufacturing, 2020, 2, 032006.	12.7	35
14	Combining double patterning with self-assembled block copolymer lamellae to fabricate 10.5 nm full-pitch line/space patterns. Nanotechnology, 2019, 30, 455302.	2.6	8
15	Enhanced microphase separation of thin films of low molecular weight block copolymer by the addition of an ionic liquid. Soft Matter, 2019, 15, 9991-9996.	2.7	2
16	Pathways to Mesoporous Resin/Carbon Thin Films with Alternating Gyroid Morphology. ACS Nano, 2018, 12, 347-358.	14.6	35
17	Sub-10 nm silicon FinFET devices on SOI substrate made by block copolymer lithography. , 2018, , .		1
18	The Solvent Distribution Effect on the Self-Assembly of Symmetric Triblock Copolymers during Solvent Vapor Annealing. Macromolecules, 2018, 51, 7145-7151.	4.8	20

#	Article	IF	Citations
19	Directed Self-Assembly of Polystyrene-b-poly(propylene carbonate) on Chemical Patterns via Thermal Annealing for Next Generation Lithography. Nano Letters, 2017, 17, 1233-1239.	9.1	97
20	Sub-10-nm patterning via directed self-assembly of block copolymer films with a vapour-phase deposited topcoat. Nature Nanotechnology, 2017, 12, 575-581.	31.5	155
21	Quantitative Three-Dimensional Characterization of Block Copolymer Directed Self-Assembly on Combined Chemical and Topographical Prepatterned Templates. ACS Nano, 2017, 11, 1307-1319.	14.6	43
22	The Oneâ€Pot Directed Assembly of Cylinderâ€Forming Block Copolymer on Adjacent Chemical Patterns for Bimodal Patterning. Macromolecular Rapid Communications, 2017, 38, 1700285.	3.9	9
23	Directed self-assembly of high-chi block copolymer for nano fabrication of bit patterned media via solvent annealing. Nanotechnology, 2016, 27, 415601.	2.6	19
24	Directed Self-Assembly of Triblock Copolymer on Chemical Patterns for Sub-10-nm Nanofabrication via Solvent Annealing. ACS Nano, 2016, 10, 7855-7865.	14.6	62
25	Directed self-assembly of block copolymer films on atomically-thin graphene chemical patterns. Scientific Reports, 2016, 6, 31407.	3.3	20
26	Evolutionary Optimization of Directed Self-Assembly of Triblock Copolymers on Chemically Patterned Substrates. ACS Macro Letters, 2014, 3, 747-752.	4.8	64
27	InAs Nanowires Grown by Metalâ€“Organic Vapor-Phase Epitaxy (MOVPE) Employing PS/PMMA Diblock Copolymer Nanopatterning. Nano Letters, 2013, 13, 5979-5984.	9.1	15
28	Revealing the Interfacial Self-Assembly Pathway of Large-Scale, Highly-Ordered, Nanoparticle/Polymer Monolayer Arrays at an Air/Water Interface. Nano Letters, 2013, 13, 1041-1046.	9.1	22
29	Transformation of a Close-Packed Au Nanoparticle/Polymer Monolayer into a Large Area Array of Oriented Au Nanowires via E-beam Promoted Uniaxial Deformation and Room Temperature Sintering. Journal of the American Chemical Society, 2011, 133, 11410-11413.	13.7	10
30	Integration of a Closeâ€Packed Quantum Dot Monolayer with a Photonicâ€Crystal Cavity Via Interfacial Selfâ€Assembly and Transfer. Small, 2010, 6, 2126-2129.	10.0	13
31	Free-Standing, Patternable Nanoparticle/Polymer Monolayer Arrays Formed by Evaporation Induced Self-Assembly at a Fluid Interface. Journal of the American Chemical Society, 2008, 130, 3284-3285.	13.7	61
32	Removing twin images in X-ray fluorescence holography. Optics Communications, 2004, 229, 123-129.	2.1	2
33	A method of improving spatial resolution in X-ray fluorescence holography. Optik, 2003, 114, 317-321.	2.9	2