Wooseop Lee

List of Publications by Year
in descending order

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26	560	623734	642732
papers	citations	14 h-index	23 g-index

26	26	26	1032
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In-depth probing of thermally-driven phase separation behavior of lamella-forming PS-b-PMMA films by infrared nanoscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 274, 121095.	3.9	4
2	Microdomain homogeneity evaluation of perpendicular lamellar structures in block copolymer films: X-ray scattering and IR nanospectroscopy analyses. Polymer Testing, 2021, 104, 107409.	4.8	3
3	Molecular Engineering in Hole Transport Ï€â€Conjugated Polymers to Enable High Efficiency Colloidal Quantum Dot Solar Cells. Advanced Energy Materials, 2020, 10, 1902933.	19.5	36
4	PbS-Based Quantum Dot Solar Cells with Engineered Ï€-Conjugated Polymers Achieve 13% Efficiency. ACS Energy Letters, 2020, 5, 3452-3460.	17.4	32
5	Lamellar Orientation and Transition Behavior of PS-b-P2VP Copolymers Supported on Physically Adsorbed Layers. Macromolecules, 2020, 53, 6213-6219.	4.8	4
6	Highâ€Efficiency Solutionâ€Processed Twoâ€Terminal Hybrid Tandem Solar Cells Using Spectrally Matched Inorganic and Organic Photoactive Materials. Advanced Energy Materials, 2020, 10, 2001188.	19.5	37
7	Universal three-dimensional crosslinker for all-photopatterned electronics. Nature Communications, 2020, 11, 1520.	12.8	65
8	Shallow and Deep Trap State Passivation for Low-Temperature Processed Perovskite Solar Cells. ACS Energy Letters, 2020, 5, 1396-1403.	17.4	75
9	Quantum Dot Solar Cells: Molecular Engineering in Hole Transport Ï€â€Conjugated Polymers to Enable High Efficiency Colloidal Quantum Dot Solar Cells (Adv. Energy Mater. 8/2020). Advanced Energy Materials, 2020, 10, 2070035.	19.5	2
10	Order-to-Disorder Transition of Lamella-Forming PS-b-P2VP Films Confined between the Preferential Surface and Neutral Substrate. Macromolecules, 2019, 52, 8672-8681.	4.8	9
11	Instability of Polystyrene Film and Thermal Behaviors Mediated by Unfavorable Silicon Oxide Interlayer. Macromolecules, 2019, 52, 7524-7530.	4.8	9
12	Performance Optimization of Parallelâ€Like Ternary Organic Solar Cells through Simultaneous Improvement in Charge Generation and Transport. Advanced Functional Materials, 2019, 29, 1808731.	14.9	37
13	Irreversible Physisorption of PS-b-PMMA Copolymers on Substrates for Balanced Interfacial Interactions as a Versatile Surface Modification. ACS Macro Letters, 2019, 8, 519-524.	4.8	14
14	Ternary Organic Solar Cells: Performance Optimization of Parallelâ€Like Ternary Organic Solar Cells through Simultaneous Improvement in Charge Generation and Transport (Adv. Funct. Mater. 14/2019). Advanced Functional Materials, 2019, 29, 1970093.	14.9	0
15	Orientation of an Amphiphilic Copolymer to a Lamellar Structure on a Hydrophobic Surface and Implications for CO 2 Capture Membranes. Angewandte Chemie - International Edition, 2019, 58, 1143-1147.	13.8	19
16	Orientation of an Amphiphilic Copolymer to a Lamellar Structure on a Hydrophobic Surface and Implications for CO 2 Capture Membranes. Angewandte Chemie, 2019, 131, 1155-1159.	2.0	9
17	Near-Infrared Harvesting Fullerene-Free All-Small-Molecule Organic Solar Cells Based on Porphyrin Donors. ACS Sustainable Chemistry and Engineering, 2018, 6, 5306-5313.	6.7	34
18	Ordering and Orientation of Giant Nanostructures from High-Molecular-Weight Block Copolymer via Solvent Vapor Annealing Process. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2018, 31, 479-482.	0.3	2

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19	Preferential Wetting Effects on Order-to-Disorder Transition in Polystyrene-b-poly(2-vinylpyridine) Films: A Reconsideration on Thickness Dependence. Macromolecules, 2018, 51, 8550-8560.	4.8	12
20	Improved Processability and Efficiency of Colloidal Quantum Dot Solar Cells Based on Organic Hole Transport Layers. Advanced Energy Materials, 2018, 8, 1800572.	19.5	45
21	Nonmonotonic Glass Transition Temperature of Polymer Films Supported on Polymer Brushes. Macromolecules, 2018, 51, 4451-4461.	4.8	18
22	Effect of Grafting Density of Random Copolymer Brushes on Perpendicular Alignment in PS-b-PMMA Thin Films. Macromolecules, 2017, 50, 5858-5866.	4.8	26
23	Gyroid Structures in Solvent Annealed PS-b-PMMA Films: Controlled Orientation by Substrate Interactions. Macromolecules, 2017, 50, 5033-5041.	4.8	26
24	Thermally Stable Bulk Heterojunction Prepared by Sequential Deposition of Nanostructured Polymer and Fullerene. Polymers, 2017, 9, 456.	4.5	22
25	Glass Transition and Thermal Expansion Behavior of Polystyrene Films Supported on Polystyrene-Grafted Substrates. Macromolecules, 2016, 49, 5291-5296.	4.8	12
26	Autophobic dewetting of polystyrenes on the substrates grafted with chemically identical polymers. Polymer Journal, 2016, 48, 503-507.	2.7	8