

Ya-Sen Sun

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Hydrophilic–Hydrophobic Nanohybrids of AuNP-Immobilized Two-Dimensional Nanomaterials as Flexible Substrates for High-Efficiency and High-Selectivity Surface-Enhanced Raman Scattering Microbe Detection. ACS Applied Bio Materials, 2022, 5, 1073-1083.	4.6	17
2	Surface Wrinkling on Polymer Films. Langmuir, 2022, 38, 3907-3916.	3.5	8
3	Chain Length Effects of Added Homopolymers on the Phase Behavior in Blend Films of a Symmetric, Weakly Segregated Polystyrene- <i>block</i> -poly(methyl methacrylate). Macromolecules, 2022, 55, 2130-2147.	4.8	4
4	Oxygen Reduction Reaction of Block Copolymer Template-Directed Porous Carbon Catalysts. ACS Applied Energy Materials, 2022, 5, 897-914.	5.1	4
5	Structural Evolution of a Polystyrene- <i>Block</i> -Poly(Ethylene Oxide) Block Copolymer in Tetrahydrofuran/Water Cosolvents. Langmuir, 2022, 38, 5987-5995.	3.5	3
6	Direct Access to Bowl-Like Nanostructures with Block Copolymer Anisotropic Truncated Microspheres. Langmuir, 2021, 37, 636-645.	3.5	5
7	Influence of Osmotic Pressure on Nanostructures in Thin Films of a Weakly-Segregated Block Copolymer and Its Blends with a Homopolymer. Polymers, 2021, 13, 2480.	4.5	8
8	Phase behavior in thin films of weakly segregated block copolymer/homopolymer blends. Soft Matter, 2021, 17, 9189-9197.	2.7	8
9	Distributions of Deuterated Polystyrene Chains in Perforated Layers of Blend Films of a Symmetric Polystyrene- <i>block</i> -poly(methyl methacrylate). Langmuir, 2021, 37, 13046-13058.	3.5	5
10	Surface-enhanced Raman scattering (SERS) spectroscopy on localized silver nanoparticle-decorated porous silicon substrate. Analyst, The, 2021, 146, 7645-7652.	3.5	11
11	Effects of Graphitization and Bonding Configuration in Iron–Nitrogen-Doped Carbon Nanostructures on Surface-Enhanced Raman Scattering. ACS Applied Nano Materials, 2020, 3, 858-868.	5.0	6
12	Hierarchically Porous Carbon Materials from Self-Assembled Block Copolymer/Dopamine Mixtures. Langmuir, 2020, 36, 11754-11764.	3.5	7
13	Dispersity effects on phase behavior and structural evolution in ultrathin films of a deuterated polystyrene- <i>block</i> -poly(methyl methacrylate) diblock copolymer. Polymer, 2020, 210, 123027.	3.8	5
14	Three-Dimensional Interconnected Network of Gold Nanostructures for Molecular Sensing via Surface-Enhanced Raman Scattering Spectroscopy. ACS Applied Nano Materials, 2020, 3, 7950-7962.	5.0	11
15	Effects of the Density of Chemical Cross-links and Physical Entanglements of Ultraviolet-Irradiated Polystyrene Chains on Domain Orientation and Spatial Order of Polystyrene- <i>block</i> -Poly(methyl methacrylate) Diblock Copolymer. Macromolecules, 2020, 53, 1457-1468.	1.0	0
16	Examination of well ordered nanonetwork materials by real- and reciprocal-space imaging. IUCr, 2019, 6, 259-266.	2.2	4
17	Lateral Order and Self-Organized Morphology of Diblock Copolymer Micellar Films. Polymers, 2018, 10, 597.	4.5	0
18	Two-Dimensional Nitrogen-Enriched Carbon Nanosheets with Surface-Enhanced Raman Scattering. Journal of Physical Chemistry C, 2017, 121, 14795-14802.	3.1	11

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19	Block-Copolymer-Templated Hierarchical Porous Carbon Nanostructures with Nitrogen-Rich Functional Groups for Molecular Sensing. ACS Applied Materials & Interfaces, 2017, 9, 31235-31244.	8.0	13
20	Tailoring Carbon Nanostructure with Diverse and Tunable Morphology by the Pyrolysis of Self-Assembled Lamellar Nanodomains of a Block Copolymer. Langmuir, 2017, 33, 2003-2010.	3.5	7
21	Live Templates of a Supramolecular Block Copolymer for the Synthesis of Ordered Nanostructured TiO ₂ Films via Guest Exchange. ACS Applied Materials & Interfaces, 2016, 8, 33221-33229.	8.0	6
22	Tuning polymer-surface chemistries and interfacial interactions with UV irradiated polystyrene chains to control domain orientations in thin films of PS-b-PMMA. Soft Matter, 2016, 12, 2923-2931.	2.7	16
23	Electrocatalytic activity of a nitrogen-enriched mesoporous carbon framework and its hybrids with metal nanoparticles fabricated through the pyrolysis of block copolymers. RSC Advances, 2015, 5, 105760-105773.	3.6	7
24	Film Instability of Amphiphilic Block Copolymer Thin Films Driven by Solvent Annealing and Drying. Macromolecular Chemistry and Physics, 2015, 216, 2020-2031.	2.2	0
25	Conversion from self-assembled block copolymer nanodomains to carbon nanostructures with well-defined morphology. RSC Advances, 2015, 5, 105774-105784.	3.6	13
26	Tailor-made dimensions of diblock copolymer truncated micelles on a solid by UV irradiation. Soft Matter, 2015, 11, 7119-7129.	2.7	12
27	Membranes with Highly Ordered Straight Nanopores by Selective Swelling of Fast Perpendicularly Aligned Block Copolymers. ACS Nano, 2013, 7, 9961-9974.	14.6	139
28	Monolayers of Diblock Copolymer Micelles by Spin-Coating from o-Xylene on SiO ₂ /Si Studied in Real and Reciprocal Space. Macromolecules, 2012, 45, 1963-1971.	4.8	14
29	Tunable electrical memory characteristics by the morphology of self-assembled block copolymers:PCBM nanocomposite films. Soft Matter, 2012, 8, 526-535.	2.7	60
30	Surface relief terraces and self-assembled nanostructures in thin block copolymer films with solvent annealing. Polymer, 2012, 53, 4827-4833.	3.8	5
31	Hierarchically-responded assembly of block copolymer thin films with stimuli of varied solvent selectivity. Polymer, 2012, 53, 5972-5981.	3.8	7
32	Morphology and field-effect transistor characteristics of semicrystalline poly(3-hexylthiophene) and poly(stearyl acrylate) blend nanowires. Journal of Materials Chemistry, 2012, 22, 14682.	6.7	21
33	Kinetically controlled self-assembly of monolayered micelle films of P(S-b-4VP) on bare and PS-grafted substrates. Soft Matter, 2011, 7, 9140.	2.7	19
34	Micellar Transitions in Solvent-Annealed Thin Films of an Amphiphilic Block Copolymer Controlled with Tunable Surface Fields. Langmuir, 2011, 27, 14545-14553.	3.5	21
35	Carboxylic Acid-Directed Clustering and Dispersion of ZrO ₂ Nanoparticles in Organic Solvents: A Study by Small-Angle X-ray/Neutron Scattering and NMR. Journal of Physical Chemistry C, 2011, 115, 11941-11950.	3.1	20
36	Efficient catalysts for ring-opening polymerization of ϵ -caprolactone and γ -butyrolactone: Synthesis and characterization of zinc complexes based on benzotriazole phenoxide ligands. Journal of Polymer Science Part A, 2011, 49, 4027-4036.	2.3	32

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37	Film instability induced evolution of hierarchical structures in annealed ultrathin films of an asymmetric block copolymer on polar substrates. <i>Polymer</i> , 2011, 52, 1180-1190.	3.8	14
38	Effects of Film Instability on Roughness Correlation and Nanodomain Ordering in Ultrathin Films of Asymmetric Block Copolymers. <i>Macromolecules</i> , 2010, 43, 5016-5023.	4.8	14
39	Probing Relief Terraces in Destabilized Thin Films of an Asymmetric Block Copolymer with Grazing-Incidence Small-Angle X-ray Scattering. <i>Macromolecules</i> , 2010, 43, 7250-7260.	4.8	21
40	Polymeric Crystallization under Nanoscale 2D Spatial Confinement. <i>Macromolecules</i> , 2010, 43, 6237-6240.	4.8	49
41	Crystalline Polymers in Nanoscale 1D Spatial Confinement. <i>Macromolecules</i> , 2006, 39, 5782-5788.	4.8	107