

Wrinkling instabilities in polymer films and their applic

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Colloidal Surface Assemblies: Nanotechnology Meets Bioinspiration. <i>Advanced Functional Materials</i> , 2013, 23, 4529-4541.	7.8	65
2	Fabrication of Oligonucleotide and Protein Arrays on Rigid and Flexible Substrates Coated with Reactive Polymer Multilayers. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 351-359.	4.0	21
3	Reversible Heat-Induced Microwrinkling of PEDOT:PSS Nanofilm Surface Over a Monodomain Liquid Crystal Elastomer. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 572, 40-49.	0.4	12
4	Low-Voltage Switching of Crease Patterns on Hydrogel Surfaces. <i>Advanced Materials</i> , 2013, 25, 5555-5559.	11.1	35
5	Oriented gold ripple-like structures on poly-L-lactic acid. <i>Applied Surface Science</i> , 2014, 321, 503-510.	3.1	19
6	Multifunctional POSS-Based Nano-Photo-Initiator for Overcoming the Oxygen Inhibition of Photo-Polymerization and for Creating Self-Wrinkled Patterns. <i>Advanced Materials Interfaces</i> , 2014, 1, 1400385.	1.9	26
7	Self-structured serrated edges of chemically oxidized poly(dimethylsiloxane) disks. <i>Journal of Applied Polymer Science</i> , 2014, 131, n/a-n/a.	1.3	3
8	Effect of Wrinkled Microstructure on Surface Wettability of <i>Ginkgo</i> Leaves. <i>Key Engineering Materials</i> , 0, 609-610, 1437-1441.	0.4	0
9	Biopolymer nanostructures induced by plasma irradiation and metal sputtering. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 332, 7-10.	0.6	7
10	Nanopressing: Toward Tailored Polymer Microstructures and Nanostructures. <i>Macromolecular Rapid Communications</i> , 2014, 35, 84-90.	2.0	6
11	High Aspect Ratio Wrinkles via Substrate Prestretch. <i>Advanced Materials</i> , 2014, 26, 5626-5631.	11.1	79
12	Deformation kinetics of pH-sensitive hydrogels. <i>Polymer International</i> , 2014, 63, 1578-1583.	1.6	34
13	Evolution of a Wavelike Undulation in Polymer Thin Films with Immobilized Film Spanning Nanoparticles. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1639-1646.	1.1	1
14	Mechanics of inhomogeneous large deformation of photo-thermal sensitive hydrogels. <i>International Journal of Solids and Structures</i> , 2014, 51, 4440-4451.	1.3	79
15	Versatile Approach for the Fabrication of Functional Wrinkled Polymer Surfaces. <i>Langmuir</i> , 2014, 30, 13244-13254.	1.6	10
16	Wrinkling of the metal-polymer bilayer: the effect of periodical distribution of stresses and strains. <i>RSC Advances</i> , 2014, 4, 7389.	1.7	15
17	Recent advances in wrinkle-based dry adhesion. <i>Soft Matter</i> , 2014, 10, 5028.	1.2	68
18	Tilted Pillars on Wrinkled Elastomers as a Reversibly Tunable Optical Window. <i>Advanced Materials</i> , 2014, 26, 4127-4133.	11.1	118

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19	Systematic investigation of the benchtop surface wrinkling process by corona discharge. RSC Advances, 2014, 4, 59122-59129.	1.7	5
20	Thermal wrinkling of nanoimprinted SU-8 with masked UV-exposure. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2015, 33, 06F603.	0.6	3
21	Switching band-gaps of a phononic crystal slab by surface instability. Smart Materials and Structures, 2015, 24, 075009.	1.8	29
22	On-Demand Wrinkling Patterns in Thin Metal Films Generated from Self-Assembling Liquid Crystals. Advanced Functional Materials, 2015, 25, 1360-1365.	7.8	29
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30	Area-selective microwrinkle formation on poly(dimethylsiloxane) by treatment with strong acid. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 167-174.	2.4	10
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40	Modification of poly(dimethylsiloxane) as a basis for surface wrinkle formation: Chemical and mechanical characterization. <i>Polymer</i> , 2016, 98, 327-335.	1.8	20
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52	Multi-Responsive Wrinkling Patterns by the Photoswitchable Supramolecular Network. <i>ACS Macro Letters</i> , 2017, 6, 848-853.	2.3	32
53	Buckled Thin-Film Transistors and Circuits on Soft Elastomers for Stretchable Electronics. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 28750-28757.	4.0	54
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62	Carbon-metal vibrating nanomembranes for high frequency microresonators. <i>Diamond and Related Materials</i> , 2018, 81, 138-145.	1.8	3
63	Controlled Wrinkling of Gradient Metal Films. <i>Langmuir</i> , 2018, 34, 14249-14253.	1.6	18
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73	PÔ12: Late News Poster: Influence of Index Matching Epoxy Filler at the Encapsulation Part for the Performance of TEOLED with Internal Wrinkle Structure. <i>Digest of Technical Papers SID International Symposium</i> , 2019, 50, 1963-1965.	0.1	1

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87	Design and applications of light responsive liquid crystal polymer thin films. Applied Physics Reviews, 2020, 7, .	5.5	44
88	Direct nanofluidic channels <i>via</i> hardening and wrinkling of thin polymer films. Nanoscale, 2020, 12, 16895-16900.	2.8	0
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121	<i>Protic</i> Ionic Liquids for Intrinsically Stretchable Conductive Polymers. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 3202-3213.	4.0	3
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