From: Jiangshui Huang, Jiawei Yang, Lihua Jin, David R. Clarke and Zhigang Suo, “Pattern formation in plastic liquid films on elastomers by ratcheting”, Soft Matter, Vol. 12, No. 16, pp 3820-3827, 2016

See:
https://samueli.ucla.edu/people/lihua-jin/
https://scholar.google.com/citations?user=oW77hxEAAAAJ&hl=en
Mechanics of Soft Materials Lab, Mechanical and Aerospace Engineering
University of California Los Angeles, California, USA

Biography:
Jin earned her bachelor’s and master’s degrees from Fudan University, one of China’s most prestigious institutions. With a natural affinity for math that began in childhood, Jin studied mechanical engineering as a graduate student, although, her passion for the field was sparked during her undergraduate sophomore year when she researched shape memory alloys and liquid crystal elastomers. These smart and solid materials can retain their original shape after being bent by responding to stimuli like water, heat or light. By the time Jin was a senior, she knew that she wanted to pursue a doctorate in the United States. So, after completing her master’s degree, she attended Harvard University where she earned her Ph.D. in mechanical engineering and continued her research as a postdoc at Stanford University. Jin has conducted extensive research into hydrogels, which are highly aquatic materials similar to Jell-O. She said, theoretically, hydrogels could be used in medicine: a doctor, for instance, could implant a hydrogel into a patient that could slowly release doses of medication. She won the American Society of Mechanical Engineers — Applied Mechanics Division’s 2016 Haythornthwaite Young Investigator Award for her work involving photo-responsive hydrogels, which respond to light by swelling or deswelling.

Research Interests:

Education:
PhD Harvard University 2014

Selected Publications:
Lihua Jin, Anesia Auguste, Ryan C. Hayward and Zhigang Suo, “Bifurcation diagrams for the formation of wrinkles or creases in soft bilayers”, Journal of Applied Mechanics, Vol. 82, 061008, June 2015
Jiangshui Huang, Jiawei Yang, Lihua Jin, David R. Clarke and Zhigang Suo, “Pattern formation in plastic liquid films on elastomers by ratcheting”, Soft Matter, Vol. 12, No. 16, pp 3820-3827, 2016

https://www.researchgate.net/profile/Lihua_Jin9
Anesia Auguste, Jiawei Yang, Lihua Jin, Dayong Chen, Zhigang Suo and Ryan C. Hayward, “Formation of high aspect ratio wrinkles and ridges on elastic bylayers with small thickness contrast”, Soft Matter, Vol. 14, No. 42, pp 8545-8551, 2018