Shashank Acharya

List of Publications by Year
in descending order

8 papers	74 citations	1684188 5 h-index	1588992 8 g-index
8 all docs	8 docs citations	8 times ranked	29 citing authors

#	Article	IF	Citations
1	A fully resolved multiphysics model of gastric peristalsis and bolus emptying in the upper gastrointestinal tract. Computers in Biology and Medicine, 2022, 143, 104948.	7.0	7
2	Myotomy technique and esophageal contractility impact blown-out myotomy formation in achalasia: an in silico investigation. American Journal of Physiology - Renal Physiology, 2022, 322, G500-G512.	3.4	9
3	Assessment of esophageal body peristaltic work using functional lumen imaging probe panometry. American Journal of Physiology - Renal Physiology, 2021, 320, G217-G226.	3.4	9
4	Mechanics informed fluoroscopy of esophageal transport. Biomechanics and Modeling in Mechanobiology, 2021, 20, 925-940.	2.8	11
5	Pumping Patterns and Work Done During Peristalsis in Finite-Length Elastic Tubes. Journal of Biomechanical Engineering, 2021, 143, .	1.3	9
6	Estimation of mechanical work done to open the esophagogastric junction using functional lumen imaging probe panometry. American Journal of Physiology - Renal Physiology, 2021, 320, G780-G790.	3.4	6
7	Repetitive antegrade contraction: a novel response to sustained esophageal distension is modulated by cholinergic influence. American Journal of Physiology - Renal Physiology, 2020, 319, G696-G702.	3.4	5
8	Stabilization approaches for the hyperelastic immersed boundary method for problems of large-deformation incompressible elasticity. Computer Methods in Applied Mechanics and Engineering, 2020, 365, 112978.	6.6	18