Javier Palacio-Torralba

List of Publications by Year
in descending order

8 papers	95 citations	1684188 5 h-index	1720034 7 g-index
8 all docs	8 docs citations	8 times ranked	108 citing authors

#	Article	IF	Citations
1	Quantitative diagnostics of soft tissue through viscoelastic characterization using time-based instrumented palpation. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 41, 149-160.	3.1	56
2	A novel palpationâ€“based method for tumor nodule quantification in soft tissueâ€”computational framework and experimental validation. Medical and Biological Engineering and Computing, 2020, 58, 1369-1381.	2.8	12
3	Quantitative mechanical assessment of the whole prostate gland ex vivo using dynamic instrumented palpation. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2017, 231, 1081-1100.	1.8	7
4	Patient specific modeling of palpationâ€based prostate cancer diagnosis: effects of pelvic cavity anatomy and intrabladder pressure. International Journal for Numerical Methods in Biomedical Engineering, 2016, 32, e02734.	2.1	5
5	Histology-based homogenization analysis of soft tissue: application to prostate cancer. Journal of the Royal Society Interface, 2017, 14, 20170088.	3.4	5
6	A novel method for rapid and quantitative mechanical assessment of soft tissue for diagnostic purposes: A computational study. International Journal for Numerical Methods in Biomedical Engineering, 2018, 34, e2917.	2.1	5
7	Identification of tumor nodule in soft tissue: An inverse finiteâ€element framework based on mechanical characterization. International Journal for Numerical Methods in Biomedical Engineering, 2020, 36, e3369.	2.1	4
8	Locating and sizing tumor nodules in human prostate using instrumented probing â€“ computational framework and experimental validation. Computer Methods in Biomechanics and Biomedical Engineering, 2022, , 1-16.	1.6	1