

# Stéphane Nicolle

## List of Publications by Year in descending order

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Version: 2024-02-01

11  
papers

237  
citations

1163117

8  
h-index

1281871

11  
g-index

13  
all docs

13  
docs citations

13  
times ranked

336  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | A strain-hardening bi-power law for the nonlinear behaviour of biological soft tissues. Journal of Biomechanics, 2010, 43, 927-932.  | 2.1 | 59        |
| 2  | Dehydration effect on the mechanical behaviour of biological soft tissues: Observations on kidney tissues. Journal of the Mechanical Behavior of Biomedical Materials, 2010, 3, 630-635. | 3.1 | 51        |
| 3  | Effect of two loading rates on the elasticity of the human anterior rectus sheath. Journal of the Mechanical Behavior of Biomedical Materials, 2013, 20, 1-5.                            | 3.1 | 31        |
| 4  | Shear mechanical properties of the spleen: Experiment and analytical modelling. Journal of the Mechanical Behavior of Biomedical Materials, 2012, 9, 130-136.                            | 3.1 | 22        |
| 5  | Shear mechanical properties of the porcine pancreas: Experiment and analytical modelling. Journal of the Mechanical Behavior of Biomedical Materials, 2013, 26, 90-97.                   | 3.1 | 15        |
| 6  | New regime in the mechanical behavior of skin: strain-softening occurring before strain-hardening. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 69, 98-106.         | 3.1 | 13        |
| 7  | On the efficiency of attachment methods of biological soft tissues in shear experiments. Journal of the Mechanical Behavior of Biomedical Materials, 2012, 14, 158-162.                  | 3.1 | 12        |
| 8  | Hybrid 3D mass-spring system for simulation of isotropic materials with any Poisson's ratio. Visual Computer, 2020, 36, 809-825.   | 3.5 | 12        |
| 9  | Biomechanical characterization of ex vivo human brain using ultrasound shear wave spectroscopy. Ultrasonics, 2018, 84, 119-125.  | 3.9 | 10        |
| 10 | Comparison of viscoelastic property characterization of plastisol phantoms with magnetic resonance elastography and high-frequency rheometry. , 2016, 2016, 1216-1219.                   |     | 7         |
| 11 | Study of the renal cortex by light scattering. Computer Methods in Biomechanics and Biomedical Engineering, 2012, 15, 113-115.   | 1.6 | 0         |