

# Soumya Goswami

## List of Publications by Year in descending order

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15  
papers

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#	ARTICLE	IF	CITATIONS
1	Imaging the Local Nonlinear Viscoelastic Properties of Soft Tissues: Initial Validation and Expected Benefits. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 975-987.	3.0	6
2	Shear Wave Elasticity Imaging Using Nondiffractive Bessel Apodized Acoustic Radiation Force. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 3528-3539.	3.0	9
3	Enabling quantitative robot-assisted compressional elastography via the extended Kalman filter. Physics in Medicine and Biology, 2021, 66, 225014.	3.0	4
4	Non-diffractive Acoustic Radiation Force Push Sequence for Shear Wave Viscoelastography. , 2021, , .		3
5	Shear Wave Speed Ratio for evaluation of nonlinearity of soft tissues. , 2021, , .		0
6	Investigating ARFI Geometry effects on Shearwave Viscoelasticity Reconstructions. , 2021, , .		6
7	Second-Generation Dual Scan Mammoscope With Photoacoustic, Ultrasound, and Elastographic Imaging Capabilities. Frontiers in Oncology, 2021, 11, 779071.	2.8	8
8	Shear Induced Non-Linear Elasticity Imaging: Elastography for Compound Deformations. IEEE Transactions on Medical Imaging, 2020, 39, 3559-3570.	8.9	20
9	Quantitative nonlinear shear modulus mapping using freehand scanning. , 2020, , .		2
10	Evaluating the Feasibility of Nondiffractive Bessel Beams for Shear Wave Elasticity Imaging: A Simulation Study. , 2020, , .		5
11	Local Spectral Nonlinear Elasticity Imaging: Contrast Enhancement in Heterogeneous Elastograms based on Viscoelastic Nonlinear Characterizations. , 2020, , .		4
12	Characterization and Evaluation of a Hydrogel-PVC Aberrator Phantom. , 2020, , .		1
13	Nonlinear Shear Modulus Estimation With Bi-Axial Motion Registered Local Strain. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 1292-1303.	3.0	18
14	Deformation Independent Non-linearity Estimation: Studies and Implementation in Ultrasound Shear Wave Elastography. , 2019, , .		11
15	Hybrid Force/Velocity Control With Compliance Estimation via Strain Elastography for Robot Assisted Ultrasound Screening. , 2018, , .		13