Chunhui Li

List of Publications by Year
in descending order

45 papers	1,047 citations	516710 16 h-index	414414 32 g-index
45 all docs	45 docs citations	45 times ranked	1017 citing authors

#	Article	IF	Citations
1	Determining elastic properties of skin by measuring surface waves from an impulse mechanical stimulus using phase-sensitive optical coherence tomography. Journal of the Royal Society Interface, 2012, 9, 831-841.	3.4	217
2	Noncontact all-optical measurement of corneal elasticity. Optics Letters, 2012, 37, 1625.	3.3	106
3	Quantitative elastography provided by surface acoustic waves measured by phase-sensitive optical coherence tomography. Optics Letters, 2012, 37, 722.	3.3	103
4	Elastic properties of soft tissue-mimicking phantoms assessed by combined use of laser ultrasonics and low coherence interferometry. Optics Express, 2011, 19, 10153.	3.4	89
5	Detection and characterisation of biopsy tissue using quantitative optical coherence elastography (OCE) in men with suspected prostate cancer. Cancer Letters, 2015, 357, 121-128.	7.2	59
6	Quantitative elasticity measurement of urinary bladder wall using laser-induced surface acoustic waves. Biomedical Optics Express, 2014, 5, 4313.	2.9	46
7	Laser induced surface acoustic wave combined with phase sensitive optical coherence tomography for superficial tissue characterization: a solution for practical application. Biomedical Optics Express, 2014, 5, 1403.	2.9	44
8	Quantitative evaluation of degenerated tendon model using combined optical coherence elastography and acoustic radiation force method. Journal of Biomedical Optics, 2013, 18, 111417.	2.6	39
9	Spatial resolution in dynamic optical coherence elastography. Journal of Biomedical Optics, 2019, 24, 1.	2.6	34
10	Performance Characteristics of Transrectal Shear Wave Elastography Imaging in the Evaluation of Clinically Localized Prostate Cancer: A Prospective Study. Journal of Urology, 2018, 200, 549-558.	0.4	32
11	Second harmonic generation (SHG) imaging of cancer heterogeneity in ultrasound guided biopsies of prostate in men suspected with prostate cancer. Journal of Biophotonics, 2017, 10, 911-918.	2.3	31
12	Evaluating elastic properties of heterogeneous soft tissue by surface acoustic waves detected by phase-sensitive optical coherence tomography. Journal of Biomedical Optics, 2012, 17, 057002.	2.6	30
13	Effects of fixation and preservation on tissue elastic properties measured by quantitative optical coherence elastography (OCE). Journal of Biomechanics, 2016, 49, 1009-1015.	2.1	29
14	Neuroprotective effect of ketamine against TNFâ€Î±â€induced necroptosis in hippocampal neurons. Journal of Cellular and Molecular Medicine, 2021, 25, 3449-3459.	3.6	22
15	Microscale characterization of prostate biopsies tissues using optical coherence elastography and second harmonic generation imaging. Laboratory Investigation, 2018, 98, 380-390.	3.7	18
16	Optical sensory arrays for the detection of urinary bladder cancerâ€related volatile organic compounds. Journal of Biophotonics, 2019, 12, e201800165.	2.3	17
17	Highâ€intensityâ€focused ultrasound and phaseâ€sensitive optical coherence tomography for high resolution surface acoustic wave elastography. Journal of Biophotonics, 2018, 11, e201700051.	2.3	12
18	Ketamine inhibits TNF-Î±-induced cecal damage by enhancing RIP1 ubiquitination to attenuate lethal SIRS. Cell Death Discovery, 2022, 8, 72.	4.7	12

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19	Quantitative urinary proteomics using stable isotope labelling by peptide dimethylation in patients with prostate cancer. Analytical and Bioanalytical Chemistry, 2015, 407, 3393-3404.	3.7	11
20	Feasibility study of using the dispersion of surface acoustic wave impulse for viscoelasticity characterization in tissue mimicking phantoms. Journal of Biophotonics, 2019, 12, e201800177.	2.3	11
21	A comparison of laser ultrasound measurements and finite element simulations for evaluating the elastic properties of tissue mimicking phantoms. Optics and Laser Technology, 2012, 44, 866-871.	4.6	9
22	Quantitative ultrasound shear wave elastography (USWE)-measured tissue stiffness correlates with PIRADS scoring of MRI and Gleason score on whole-mount histopathology of prostate cancer: implications for ultrasound image-guided targeting approach. Insights Into Imaging, 2021, 12, 96.	3.4	8
23	A novel automatic <scp>3D</scp> stitching algorithm for optical coherence tomography angiography and its application in dermatology. Journal of Biophotonics, 2021, 14, e202100152.	2.3	8
24	Quantitative measurement of mechanical properties in wound healing processes in a corneal stroma model by using vibrational optical coherence elastography (OCE). Biomedical Optics Express, 2021, 12, 588.	2.9	8
25	Deep-learning approach for automated thickness measurement of epithelial tissue and scab using optical coherence tomography. Journal of Biomedical Optics, 2022, 27, .	2.6	7
26	Frequency dependence of laser ultrasonic SAW phase velocities measurements. Ultrasonics, 2013, 53, 191-195.	3.9	6
27	Optimal stimulation frequency for vibrational optical coherence elastography. Journal of Biophotonics, 2020, 13, e201960066.	2.3	6
28	A Weighted Average Phase Velocity Inversion Model for Depth-Resolved Elasticity Evaluation in Human Skin In-Vivo. IEEE Transactions on Biomedical Engineering, 2021, 68, 1969-1977.	4.2	6
29	Characterisation of Collagen Re-Modelling in Localised Prostate Cancer Using Second-Generation Harmonic Imaging and Transrectal Ultrasound Shear Wave Elastography. Cancers, 2021, 13, 5553.	3.7	6
30	Full skin quantitative optical coherence elastography achieved by combining vibration and surface acoustic wave methods. Proceedings of SPIE, 2015, , .	0.8	5
31	Relaxation time constant based optical coherence elastography. Journal of Biophotonics, 2020, 13, e201960233.	2.3	4
32	Multimodality Characterization of Cancer-Associated Fibroblasts in Tumor Microenvironment and Its Correlation With Ultrasound Shear Wave-Measured Tissue Stiffness in Localized Prostate Cancer. Frontiers in Oncology, 2022, 12, 822476.	2.8	3
33	Quantitative elastography of skin and skin lesion using phase-sensitive OCT (PhS-OCT) and surface wave method. , 2012, , .		2
34	Prostate Cancer Gleason Score From Biopsy to Radical Surgery: Can Ultrasound Shear Wave Elastography and Multiparametric Magnetic Resonance Imaging Narrow the Gap?. Frontiers in Oncology, 2021, 11, 740724.	2.8	2
35	Structural characterization on in vitro porcine skin treated by ablative fractional laser using optical coherence tomography. , 2018, , .		1
36	High resolution SAW elastography for ex-vivo porcine skin specimen. , 2018, , .		1

#	Article	IF	Citations
37	Optimal frequency for vibrational optical coherence elastography (OCE) on tissue mechanical properties characterization. , 2019, , .		1
38	Evaluation of human corneal ulcer healing process using optical coherence tomography: an in vitro study. , 2019, , .		1
39	Viscoelastic properties characterisation of corneal stromal models using nonâ€contact surface acoustic wave optical coherence elastography (SAWâ€OCE). Journal of Biophotonics, 2021, , e202100253.	2.3	1
40	Mechanical characterization of tissue mimicking phantoms by broadband surface acoustic waves. , 2011, , .		0
41	Optical coherence elastography (OCE) as a method for identifying benign and malignant prostate biopsies. Proceedings of SPIE, 2015, , .	0.8	0
42	High Intensity Focused Ultrasound (HIFU) Combines Optical Coherence Tomography(OCT) for Biological Tissue Treatment and Evaluation. , 2018, , .		0
43	Quantitative assessment of the mechanical properties of prostate tissue with optical coherence elastography. , 2018, , .		0
44	Viscoelastic properties of a corneal stromal model measured by surface acoustic wave optical coherence elastography (SAW-OCE). , 2021, , .		0
45	Bioeffects of low-intensity continuous ultrasound (LICUS) on wound healing in corneal stromal cells in vitro. , 2021, , .		0