

# Kelsey Marie Kennedy

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2144939/publications.pdf>

Version: 2024-02-01

31  
papers

1,770  
citations

430874

18  
h-index

580821

25  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1409  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review of Optical Coherence Elastography: Fundamentals, Techniques and Prospects. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 272-288.	2.9	249
2	Review of tissue simulating phantoms with controllable optical, mechanical and structural properties for use in optical coherence tomography. Biomedical Optics Express, 2012, 3, 1381.	2.9	193
3	Quantitative micro-elastography: imaging of tissue elasticity using compression optical coherence elastography. Scientific Reports, 2015, 5, 15538.	3.3	192
4	Strain estimation in phase-sensitive optical coherence elastography. Biomedical Optics Express, 2012, 3, 1865.	2.9	157
5	Cell-matrix mechanical interaction in electrospun polymeric scaffolds for tissue engineering: Implications for scaffold design and performance. Acta Biomaterialia, 2017, 50, 41-55.	8.3	152
6	Optical coherence micro-elastography: mechanical-contrast imaging of tissue microstructure. Biomedical Optics Express, 2014, 5, 2113.	2.9	132
7	Investigation of Optical Coherence Microelastography as a Method to Visualize Cancers in Human Breast Tissue. Cancer Research, 2015, 75, 3236-3245.	0.9	91
8	Optical palpation: optical coherence tomography-based tactile imaging using a compliant sensor. Optics Letters, 2014, 39, 3014.	3.3	87
9	Needle optical coherence elastography for tissue boundary detection. Optics Letters, 2012, 37, 2310.	3.3	80
10	Needle optical coherence elastography for the measurement of microscale mechanical contrast deep within human breast tissues. Journal of Biomedical Optics, 2013, 18, 121510.	2.6	70
11	Analysis of mechanical contrast in optical coherence elastography. Journal of Biomedical Optics, 2013, 18, 121508.	2.6	62
12	Diagnostic Accuracy of Quantitative Micro-Elastography for Margin Assessment in Breast-Conserving Surgery. Cancer Research, 2020, 80, 1773-1783.	0.9	54
13	Wide-field quantitative micro-elastography of human breast tissue. Biomedical Optics Express, 2018, 9, 1082.	2.9	44
14	Improved measurement of vibration amplitude in dynamic optical coherence elastography. Biomedical Optics Express, 2012, 3, 3138.	2.9	30
15	Three-dimensional optical coherence micro-elastography of skeletal muscle tissue. Biomedical Optics Express, 2014, 5, 3090.	2.9	29
16	In vivo volumetric quantitative micro-elastography of human skin. Biomedical Optics Express, 2017, 8, 2458.	2.9	27
17	Optical palpation<i>in vivo</i>: imaging human skin lesions using mechanical contrast. Journal of Biomedical Optics, 2015, 20, 016013.	2.6	24
18	Immune-mediated ECM depletion improves tumour perfusion and payload delivery. EMBO Molecular Medicine, 2019, 11, e10923.	6.9	23

#	ARTICLE	IF	CITATIONS
19	Clinical feasibility of optical coherence micro-elastography for imaging tumor margins in breast-conserving surgery. Biomedical Optics Express, 2018, 9, 6331.	2.9	20
20	Skin Tissue Engineering: Biological Performance of Electrospun Polymer Scaffolds and Translational Challenges. Regenerative Engineering and Translational Medicine, 2017, 3, 201-214.	2.9	14
21	Optical Coherence Elastography. , 2015, , 1007-1054.		11
22	Optical palpation for tumor margin assessment in breast-conserving surgery. Biomedical Optics Express, 2021, 12, 1666.	2.9	10
23	Investigation of optical coherence micro-elastography as a method to visualize micro-architecture in human axillary lymph nodes. BMC Cancer, 2016, 16, 874.	2.6	9
24	A new method of optical biopsy: demonstration of mechanical contrast in deep tissue using an optical coherence elastography needle probe. Proceedings of SPIE, 2012, , .	0.8	2
25	Sensitivity and resolution in optical coherence micro-elastography. , 2015, , .		2
26	In vivo optical elastography: stress and strain imaging of human skin lesions. , 2015, , .		2
27	Optical Coherence Elastography. Optics and Photonics News, 2015, 26, 32.	0.5	2
28	Measuring elastic contrast in tissue using OCT needle probes. Proceedings of SPIE, 2013, , .	0.8	1
29	Quantifying Tissue Stiffness and the Effect of Nonlinearity using Compression Optical Coherence Elastography. , 2015, , .		1
30	Optical coherence elastography: Strain imaging in tissue using optical coherence tomography. , 2012, , .		0
31	Three-dimensional compression optical coherence elastography of skeletal muscle tissue. , 2014, , .		0