Wonseok Choi

List of Publications by Year
in descending order

29 papers	967 citations	566801 15 h-index	642321 23 g-index
29 all docs	29 docs citations	29 times ranked	711 citing authors

#	Article	IF	Citations
1	Clinical photoacoustic imaging platforms. Biomedical Engineering Letters, 2018, 8, 139-155.	2.1	137
2	Real-time delay-multiply-and-sum beamforming with coherence factor for in vivo clinical photoacoustic imaging of humans. Photoacoustics, 2019, 15, 100136.	4.4	97
3	Three-dimensional clinical handheld photoacoustic/ultrasound scanner. Photoacoustics, 2020, 18, 100173.	4.4	83
4	Tumor vasodilation by N-Heterocyclic carbene-based nitric oxide delivery triggered by high-intensity focused ultrasound and enhanced drug homing to tumor sites for anti-cancer therapy. Biomaterials, 2019, 217, 119297.	5.7	74
5	Multiparametric Photoacoustic Analysis of Human Thyroid Cancers *In Vivo*. Cancer Research, 2021, 81, 4849-4860.	0.4	72
6	High-resolution functional photoacoustic monitoring of vascular dynamics in human fingers. Photoacoustics, 2021, 23, 100282.	4.4	61
7	Real-Time Photoacoustic Thermometry Combined With Clinical Ultrasound Imaging and High-Intensity Focused Ultrasound. IEEE Transactions on Biomedical Engineering, 2019, 66, 3330-3338.	2.5	54
8	Practical photoacoustic tomography: Realistic limitations and technical solutions. Journal of Applied Physics, 2020, 127, .	1.1	54
9	Three-dimensional Multistructural Quantitative Photoacoustic and US Imaging of Human Feet in Vivo. Radiology, 2022, 303, 467-473.	3.6	54
10	Towards clinical photoacoustic and ultrasound imaging: Probe improvement and real-time graphical user interface. Experimental Biology and Medicine, 2020, 245, 321-329.	1.1	49
11	A Deep Learning-Based Model That Reduces Speed of Sound Aberrations for Improved *In Vivo* Photoacoustic Imaging. IEEE Transactions on Image Processing, 2021, 30, 8773-8784.	6.0	48
12	Bi_2Se_3 nanoplates for contrast-enhanced photoacoustic imaging at 1064 nm. Nanoscale, 2018, 10, 20548-20558.	2.8	47
13	Soft Combining for Cooperative Spectrum Sensing over Fast-Fading Channels. IEEE Communications Letters, 2014, 18, 193-196.	2.5	40
14	Multifunctional Nanodroplets Encapsulating Naphthalocyanine and Perfluorohexane for Bimodal Image-Guided Therapy. Biomacromolecules, 2019, 20, 3767-3777.	2.6	25
15	Structure-inherent near-infrared bilayer nanovesicles for use as photoacoustic image-guided chemo-thermotherapy. Journal of Controlled Release, 2020, 320, 283-292.	4.8	17
16	Nonlinear pth root spectral magnitude scaling beamforming for clinical photoacoustic and ultrasound imaging. Optics Letters, 2020, 45, 4575.	1.7	15
17	In Vivo Dual-Modal Photoacoustic and Ultrasound Imaging of Sentinel Lymph Nodes Using a Solid-State Dye Laser System. Sensors, 2020, 20, 3714.	2.1	11
18	Toward in vivo translation of super-resolution localization photoacoustic computed tomography using liquid-state dyed droplets. Light: Science and Applications, 2019, 8, 57.	7.7	7

#	ARTICLE	IF	CITATIONS
19	Non-Invasive Photothermal Strain Imaging of Non-Alcoholic Fatty Liver Disease in Live Animals. IEEE Transactions on Medical Imaging, 2021, 40, 2487-2495.	5.4	5
20	Efficient Codebook Design for Co-Operative MIMO Systems With Decode-and-Forward Relay. IEEE Communications Letters, 2016, 20, 598-601.	2.5	4
21	Maximization of Long-Term Average Throughput for Cooperative Secondary System With HARQ-Based Primary System in Cognitive Radio Network. IEEE Communications Letters, 2016, 20, 356-359.	2.5	4
22	Synergistic agents for tumor-specific therapy mediated by focused ultrasound treatment. Biomaterials Science, 2021, 9, 422-436.	2.6	4
23	Clinical Photoacoustic/Ultrasound Imaging: Systems and Applications. , 2020, , .		4
24	Fast nearest neighbor search algorithm using the cache technique. Advanced Robotics, 2013, 27, 1175-1187.	1.1	1
25	Recent updates of real-time clinical photoacoustic and ultrasound imaging system at POSTECH. , 2019, , .		0
26	Treatment of the Critical-Sized Bone Defect Involving the Ankle Joint. Journal of Orthopaedic Trauma, 2022, Publish Ahead of Print, .	0.7	0
27	Panoramic photoacoustic and ultrasound imaging. , 2022, , .		0
28	Volumetric photoacoustic/ultrasound imaging using 2D matrix array transducer scanner. , 2022, , .		0
29	Quantitative assessment of peripheral vasculature using a 3D bimodal photoacoustic and ultrasound foot scanner. , 2022, , .		0