

Wonseok Choi

List of Publications by Year in descending order

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Version: 2024-02-01

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	Treatment of the Critical-Sized Bone Defect Involving the Ankle Joint. <i>Journal of Orthopaedic Trauma</i> , 2022, Publish Ahead of Print, .	0.7	0
2	Three-dimensional Multistructural Quantitative Photoacoustic and US Imaging of Human Feet in Vivo. <i>Radiology</i> , 2022, 303, 467-473.	3.6	54
3	Panoramic photoacoustic and ultrasound imaging. , 2022, , .		0
4	Volumetric photoacoustic/ultrasound imaging using 2D matrix array transducer scanner. , 2022, , .		0
5	Quantitative assessment of peripheral vasculature using a 3D bimodal photoacoustic and ultrasound foot scanner. , 2022, , .		0
6	Synergistic agents for tumor-specific therapy mediated by focused ultrasound treatment. <i>Biomaterials Science</i> , 2021, 9, 422-436.	2.6	4
7	Multiparametric Photoacoustic Analysis of Human Thyroid Cancers <i>In Vivo</i> . <i>Cancer Research</i> , 2021, 81, 4849-4860.	0.4	72
8	High-resolution functional photoacoustic monitoring of vascular dynamics in human fingers. <i>Photoacoustics</i> , 2021, 23, 100282.	4.4	61
9	Non-Invasive Photothermal Strain Imaging of Non-Alcoholic Fatty Liver Disease in Live Animals. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 2487-2495.	5.4	5
10	A Deep Learning-Based Model That Reduces Speed of Sound Aberrations for Improved <i>In Vivo</i> Photoacoustic Imaging. <i>IEEE Transactions on Image Processing</i> , 2021, 30, 8773-8784.	6.0	48
11	<i>In Vivo</i> Dual-Modal Photoacoustic and Ultrasound Imaging of Sentinel Lymph Nodes Using a Solid-State Dye Laser System. <i>Sensors</i> , 2020, 20, 3714.	2.1	11
12	Practical photoacoustic tomography: Realistic limitations and technical solutions. <i>Journal of Applied Physics</i> , 2020, 127, .	1.1	54
13	Structure-inherent near-infrared bilayer nanovesicles for use as photoacoustic image-guided chemo-thermotherapy. <i>Journal of Controlled Release</i> , 2020, 320, 283-292.	4.8	17
14	Towards clinical photoacoustic and ultrasound imaging: Probe improvement and real-time graphical user interface. <i>Experimental Biology and Medicine</i> , 2020, 245, 321-329.	1.1	49
15	Three-dimensional clinical handheld photoacoustic/ultrasound scanner. <i>Photoacoustics</i> , 2020, 18, 100173.	4.4	83
16	Nonlinear pth root spectral magnitude scaling beamforming for clinical photoacoustic and ultrasound imaging. <i>Optics Letters</i> , 2020, 45, 4575.	1.7	15
17	Clinical Photoacoustic/Ultrasound Imaging: Systems and Applications. , 2020, , .		4
18	Multifunctional Nanodroplets Encapsulating Naphthalocyanine and Perfluorohexane for Bimodal Image-Guided Therapy. <i>Biomacromolecules</i> , 2019, 20, 3767-3777.	2.6	25

#	ARTICLE	IF	CITATIONS
19	Real-time delay-multiply-and-sum beamforming with coherence factor for in vivo clinical photoacoustic imaging of humans. <i>Photoacoustics</i> , 2019, 15, 100136.	4.4	97
20	Toward in vivo translation of super-resolution localization photoacoustic computed tomography using liquid-state dyed droplets. <i>Light: Science and Applications</i> , 2019, 8, 57.	7.7	7
21	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. <i>Biomaterials</i> , 2019, 217, 119297.	5.7	74
22	Real-Time Photoacoustic Thermometry Combined With Clinical Ultrasound Imaging and High-Intensity Focused Ultrasound. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 3330-3338.	2.5	54
23	Recent updates of real-time clinical photoacoustic and ultrasound imaging system at POSTECH. , 2019, , .		0
24	Clinical photoacoustic imaging platforms. <i>Biomedical Engineering Letters</i> , 2018, 8, 139-155.	2.1	137
25	Bi ₂ Se ₃ nanoplates for contrast-enhanced photoacoustic imaging at 1064 nm. <i>Nanoscale</i> , 2018, 10, 20548-20558.	2.8	47
26	Efficient Codebook Design for Co-Operative MIMO Systems With Decode-and-Forward Relay. <i>IEEE Communications Letters</i> , 2016, 20, 598-601.	2.5	4
27	Maximization of Long-Term Average Throughput for Cooperative Secondary System With HARQ-Based Primary System in Cognitive Radio Network. <i>IEEE Communications Letters</i> , 2016, 20, 356-359.	2.5	4
28	Soft Combining for Cooperative Spectrum Sensing over Fast-Fading Channels. <i>IEEE Communications Letters</i> , 2014, 18, 193-196.	2.5	40
29	Fast nearest neighbor search algorithm using the cache technique. <i>Advanced Robotics</i> , 2013, 27, 1175-1187.	1.1	1