Se-woon Choe

List of Publications by Year
in descending order

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34 papers	1,130 citations	430874 18 h-index	501196 28 g-index
34 all docs	34 docs citations	34 times ranked	1036 citing authors

#	Article	IF	Citations
1	Real-time imaging of de novo arteriovenous malformation in a mouse model of hereditary hemorrhagic telangiectasia. Journal of Clinical Investigation, 2009, 119, 3487-96.	8.2	238
2	3D In Vivo optical coherence tomography based on a low-voltage, large-scan-range 2D MEMS mirror. Optics Express, 2010, 18, 12065.	3.4	138
3	VEGF neutralization can prevent and normalize arteriovenous malformations in an animal model for hereditary hemorrhagic telangiectasia 2. Angiogenesis, 2014, 17, 823-830.	7.2	99
4	Common and Distinctive Pathogenetic Features of Arteriovenous Malformations in Hereditary Hemorrhagic Telangiectasia 1 and Hereditary Hemorrhagic Telangiectasia 2 Animal Modelsâ€”Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 2232-2236.	2.4	85
5	Transfer Learning in Breast Cancer Diagnoses via Ultrasound Imaging. Cancers, 2021, 13, 738.	3.7	79
6	A Novel Multistage Transfer Learning for Ultrasound Breast Cancer Image Classification. Diagnostics, 2022, 12, 135.	2.6	55
7	Conditional Deletion of Jak2 Reveals an Essential Role in Hematopoiesis throughout Mouse Ontogeny: Implications for Jak2 Inhibition in Humans. PLoS ONE, 2013, 8, e59675.	2.5	53
8	A 2.8-mm Imaging Probe Based On a High-Fill-Factor MEMS Mirror and Wire-Bonding-Free Packaging for Endoscopic Optical Coherence Tomography. Journal of Microelectromechanical Systems, 2012, 21, 1291-1302.	2.5	36
9	SMAD4 Deficiency Leads to Development of Arteriovenous Malformations in Neonatal and Adult Mice. Journal of the American Heart Association, 2018, 7, e009514.	3.7	36
10	Enhanced Responses to Angiogenic Cues Underlie the Pathogenesis of Hereditary Hemorrhagic Telangiectasia 2. PLoS ONE, 2013, 8, e63138.	2.5	31
11	Overexpression of Activin Receptor-Like Kinase 1 in Endothelial Cells Suppresses Development of Arteriovenous Malformations in Mouse Models of Hereditary Hemorrhagic Telangiectasia. Circulation Research, 2020, 127, 1122-1137.	4.5	31
12	Selective effects of oral antiangiogenic tyrosine kinase inhibitors on an animal model of hereditary hemorrhagic telangiectasia. Journal of Thrombosis and Haemostasis, 2017, 15, 1095-1102.	3.8	28
13	A novel therapeutic instrument using an ultrasound-light-emitting diode with an adjustable telephoto lens for suppression of tumor cell proliferation. Measurement: Journal of the International Measurement Confederation, 2019, 147, 106865.	5.0	24
14	Intravital microscopy imaging of macrophage localization to immunogenic particles and co-localized tissue oxygen saturation. Acta Biomaterialia, 2010, 6, 3491-3498.	8.3	23
15	Acoustic Stimulation by Shunt-Diode Pre-Linearizer using Very High Frequency Piezoelectric Transducer for Cancer Therapeutics. Sensors, 2019, 19, 357.	3.8	23
16	Suppression Technique of HeLa Cell Proliferation Using Ultrasonic Power Amplifiers Integrated with a Series-Diode Linearizer. Sensors, 2018, 18, 4248.	3.8	22
17	Drug-loaded sickle cells programmed ex vivo for delayed hemolysis target hypoxic tumor microvessels and augment tumor drug delivery. Journal of Controlled Release, 2013, 171, 184-192.	9.9	20
18	Therapeutic Effect Enhancement by Dual-bias High-voltage Circuit of Transmit Amplifier for Immersion Ultrasound Transducer Applications. Sensors, 2018, 18, 4210.	3.8	20

#	Article	IF	Citations
19	Prospects of Structural Similarity Index for Medical Image Analysis. Applied Sciences (Switzerland), 2022, 12, 3754.	2.5	20
20	A Macro Lens-Based Optical System Design for Phototherapeutic Instrumentation. Sensors, 2019, 19, 5427.	3.8	16
21	Patchless Multi-Stage Transfer Learning for Improved Mammographic Breast Mass Classification. Cancers, 2022, 14, 1280.	3.7	14
22	Progress of Microfluidic Continuous Separation Techniques for Micro-/Nanoscale Bioparticles. Biosensors, 2021, 11, 464.	4.7	12
23	Combinational light emitting diode-high frequency focused ultrasound treatment for HeLa cell. Computer Assisted Surgery, 2017, 22, 79-85.	1.3	8
24	An Alternative Approach to Detecting Cancer Cells by Multi-Directional Fluorescence Detection System Using Cost-Effective LED and Photodiode. Sensors, 2019, 19, 2301.	3.8	5
25	Optical Design of a Novel Collimator System with a Variable Virtual-Object Distance for an Inspection Instrument of Mobile Phone Camera Optics. Applied Sciences (Switzerland), 2021, 11, 3350.	2.5	5
26	Automatic Cancer Cell Taxonomy Using an Ensemble of Deep Neural Networks. Cancers, 2022, 14, 2224.	3.7	5
27	In vivo 3D and Doppler OCT imaging using electrothermal MEMS scanning mirrors. , 2010, , .		1
28	Application of Optimized Gompertz Algorithm for Estimation of Controlled Drug Release. Journal of the Korea Society of Computer and Information, 2014, 19, 219-225.	0.0	1
29	Multimodal stimulation system to control fibroblast proliferation using optical and ultrasonic stimulation. , 2020, 2, .		1
30	Objective Numerical Evaluation of Diffuse, Optically Reconstructed Images Using Structural Similarity Index. Biosensors, 2021, 11, 504.	4.7	1
31	Spectral and fluorescence imaging of immune system and tissue response to an immunogenic agent. Proceedings of SPIE, 2009, , .	0.8	0
32	Application and therapeutic effects of sickle red blood cells for targeted cancer therapy. The Journal of the Korean Institute of Information and Communication Engineering, 2016, 20, 2395-2400.	0.1	0
33	Development of a compact optical measurement system to quantify the optical properties of fluorescently labeled cervical cancer cells. , 2020, 2, .		0
34	Design and analysis of an optical monitoring system for cervical cancer cells. Transactions of the Korean Institute of Electrical Engineers, 2020, 69, 1761-1766.	0.1	0