Miya Ishihara

List of Publications by Year
in descending order

44 papers	581 citations	687363 13 h-index	610901 24 g-index
45 all docs	45 docs citations	45 times ranked	831 citing authors

#	Article	IF	Citations
1	Blue Laser Irradiation Decreases the ATP Level in Mouse Skin and Increases the Production of Superoxide Anion and Hypochlorous Acid in Mouse Fibroblasts. Biology, 2022, 11, 301.	2.8	2
2	Spectroscopic photoacoustic microscopic imaging during single spatial scan using broadband excitation light pulses with wavelength-dependent time delay. Photoacoustics, 2022, 26, 100364.	7.8	5
3	Photobiomodulation Therapy in Plastic Surgery and Dermatology. Nippon Laser Igakkaishi, 2021, 41, 370-384.	0.0	0
4	Artificially Created Reentry Circuit by Laser Irradiation Causes Atrial Tachycardia to Persist in Murine Atria. Circulation Journal, 2021, , .	1.6	3
5	Ability of photocurable gelatin to prevent stricture recurrence after urethral dilation in rabbits. International Journal of Urology, 2021, , .	1.0	1
6	Photocrosslinked gelatin hydrogel improves wound healing and skin flap survival by the sustained release of basic fibroblast growth factor. Scientific Reports, 2021, 11, 23094.	3.3	27
7	Numerical Simulation of Photoacoustic Effect and Its Possibility of Applications to Diagnostic Imaging and Treatment Support. Nippon Laser Igakkaishi, 2020, 40, 348-358.	0.0	0
8	Measurement of blood-oxygen saturation using a photoacoustic technique in the rabbit hypoxemia model. Journal of Clinical Monitoring and Computing, 2019, 33, 269-279.	1.6	11
9	Insulinâ€like growth factorÂ1 sustainedâ€release collagen on urethral catheter prevents stricture after urethral injury in a rabbit model. International Journal of Urology, 2019, 26, 572-577.	1.0	15
10	Combined surgery and chondrocyte cell-sheet transplantation improves clinical and structural outcomes in knee osteoarthritis. Npj Regenerative Medicine, 2019, 4, 4.	5.2	86
11	Numerical and experimental investigations of dependence of photoacoustic signals from gold nanoparticles on the optical properties. Optical Review, 2018, 25, 365-374.	2.0	8
12	Application of Optogenetics in Gene Therapy. Current Gene Therapy, 2018, 18, 40-44.	2.0	2
13	Pilot Study of Prostate Cancer Angiogenesis Imaging Using a Photoacoustic Imaging System. Urology, 2017, 108, 212-219.	1.0	51
14	Effects of the approximations of light propagation on quantitative photoacoustic tomography using two-dimensional photon diffusion equation and linearization. Optical Review, 2017, 24, 705-726.	2.0	5
15	A pilot study of photoacoustic imaging system for improved realâ€time visualization of neurovascular bundle during radical prostatectomy. Prostate, 2016, 76, 307-315.	2.3	53
16	Appropriate timing of blood sampling for blood gas analysis in the ventilated rabbit. Journal of Surgical Research, 2016, 206, 325-336.	1.6	6
17	Prospects for Therapeutic Application of Optogenetics. Nippon Laser Igakkaishi, 2016, 36, 482-488.	0.0	0
18	Low Reactive Level Laser Therapy for Mesenchymal Stromal Cells Therapies. Stem Cells International, 2015, 2015, 1-12.	2.5	53

#	Article	IF	Citations
19	Improved angiogenesis and healing in crush syndrome by fibroblast growth factor-2â€“containing low-molecular-weight heparin (Fragmin)/protamine nanoparticles. Journal of Surgical Research, 2015, 196, 247-257.	1.6	15
20	Image reconstruction of the absorption coefficients with l 1-norm minimization from photoacoustic measurements. Quantitative Imaging in Medicine and Surgery, 2015, 5, 78-85.	2.0	3
21	Improved survival rate by temperature control at compression sites in rat model of crush syndrome. Journal of Surgical Research, 2014, 188, 250-259.	1.6	12
22	Biological Function of Low Reactive Level Laser Therapy. Nippon Laser Igakkaishi, 2014, 34, 384-393.	0.0	0
23	Control of Cells Function by Optogenetics. Nippon Laser Igakkaishi, 2014, 34, 394-401.	0.0	0
24	Quantitative Photoacoustic Imaging of The Distribution of The Optical Properties in Biological Medium. Nippon Laser Igakkaishi, 2014, 35, 140-150.	0.0	0
25	Noninvasive thermographic visualization of the extent of carotid plaque distribution during carotid endarterectomy using an uncooled infrared camera. , 2014, 5, 144.		1
26	Numerical evaluation of linearized image reconstruction based on finite element method for biomedical photoacoustic imaging. Optical Review, 2013, 20, 442-451.	2.0	12
27	Characterization of photoacoustic signal of plasmonic gold nanoparticles. , 2013, , .		0
28	Blue Laser Irradiation Generates Intracellular Reactive Oxygen Species in Various Types of Cells. Photomedicine and Laser Surgery, 2013, 31, 95-104.	2.0	60
29	Recent Progress in Photo-acoustic Imaging. Nippon Laser Igakkaishi, 2013, 34, 10-13.	0.0	0
30	Photoacoustic Microscopy for In Vitro Cells Imaging. Nippon Laser Igakkaishi, 2013, 33, 392-398.	0.0	0
31	Photoacoustic Imaging for Cancer Diagnosis. The Review of Laser Engineering, 2013, 41, 606.	0.0	0
32	State-of-the-art Photo-acoustic Imaging. IEEJ Transactions on Electronics, Information and Systems, 2012, 132, 1287-1290.	0.2	0
33	8G-18 Elasticity Measurement of Tissue with Photoacoustic Method. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2011, 2010.23, 271-272.	0.0	0
34	0828 Development of the photoacoustic measurement method : From basic to translational research. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2010, 2009.22, 323.	0.0	0
35	3P-330 IR super-resolution imaging of non-stained cells by 2-color laser spectroscopic technique(The) Tj ETQq1 1 0.784314 rgBT /Ove	0.1	0
36	Monitoring of Extracellular Matrix Formation using Nanosecond Pulsed Laser. IEEJ Transactions on Electronics, Information and Systems, 2007, 127, 2166-2170.	0.2	0

#	Article	IF	Citations
37	Development of a diagnostic system for osteoarthritis using a photoacoustic measurement method. Lasers in Surgery and Medicine, 2006, 38, 249-255.	2.1	19
38	Assessment of expressions of heat shock protein (HSP 72) and apoptosis after ArF excimer laser ablation of the cornea. Journal of Biomedical Optics, 2004, 9, 187.	2.6	7
39	Development of a Method Using Photoacoustic Measurement for Evaluation of the Viscoelasticity of Articular Cartilage in Regenerative Medicine. The Review of Laser Engineering, 2004, 32, 640-644.	0.0	4
40	Measurement of the surface temperature of the cornea during ArF excimer laser ablation by thermal radiometry with a 15-nanosecond time response. Lasers in Surgery and Medicine, 2002, 30, 54-59.	2.1	36
41	Nanosecond, high-intensity pulsed laser ablation of myocardium tissue at the ultraviolet, visible, and near-infrared wavelengths: In-vitro study. Lasers in Surgery and Medicine, 2001, 29, 464-473.	2.1	34
42	Use of a new ICG-Dye-enhanced diode laser for percutaneous laser disc decompression. Lasers in Surgery and Medicine, 2001, 29, 282-287.	2.1	24
43	Validation of IRFEL-induced vibrational excitation effects on ester using fluorescent dye. The Review of Laser Engineering, 2001, 29, 221-222,224.	0.0	0
44	Incorporation of a photosensitiser in tumor tissue and photochemical treatment of the tissue by photoirradiation of a laser. The Review of Laser Engineering, 1999, 27, 174-174,177.	0.0	0