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	Combined surgery and chondrocyte cell-sheet transplantation improves clinical and structural outcomes in knee osteoarthritis. Npj Regenerative Medicine, 2019, 4, 4.	5.2	86
2	Blue Laser Irradiation Generates Intracellular Reactive Oxygen Species in Various Types of Cells. Photomedicine and Laser Surgery, 2013, 31, 95-104.	2.0	60
3	Low Reactive Level Laser Therapy for Mesenchymal Stromal Cells Therapies. Stem Cells International, 2015, 2015, 1-12.	2.5	53
4	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
5	Pilot Study of Prostate Cancer Angiogenesis Imaging Using a Photoacoustic Imaging System. Urology, 2017, 108, 212-219.	1.0	51
6	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
7	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
8	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
9	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
10	Development of a diagnostic system for osteoarthritis using a photoacoustic measurement method. Lasers in Surgery and Medicine, 2006, 38, 249-255.	2.1	19
11	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
12	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
13	Numerical evaluation of linearized image reconstruction based on finite element method for biomedical photoacoustic imaging. Optical Review, 2013, 20, 442-451.	2.0	12
14	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
15	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
16	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
17	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
18	Appropriate timing of blood sampling for blood gas analysis in the ventilated rabbit. Journal of Surgical Research, 2016, 206, 325-336.	1.6	6

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19	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
20	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
21	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
22	Artificially Created Reentry Circuit by Laser Irradiation Causes Atrial Tachycardia to Persist in Murine Atria. Circulation Journal, 2021, , .	1.6	3
23	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
24	Application of Optogenetics in Gene Therapy. Current Gene Therapy, 2018, 18, 40-44.	2.0	2
25	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
26	Ability of photocurable gelatin to prevent stricture recurrence after urethral dilation in rabbits. International Journal of Urology, 2021, , .	1.0	1
27	Noninvasive thermographic visualization of the extent of carotid plaque distribution during carotid endarterectomy using an uncooled infrared camera. , 2014, 5, 144.		1
28	3P-330 IR super-resolution imaging of non-stained cells by 2-color laser spectroscopic technique(The) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.1	0
29	Characterization of photoacoustic signal of plasmonic gold nanoparticles. , 2013, , .		0
30	Recent Progress in Photo-acoustic Imaging. Nippon Laser Igakkaishi, 2013, 34, 10-13.	0.0	0
31	Biological Function of Low Reactive Level Laser Therapy. Nippon Laser Igakkaishi, 2014, 34, 384-393.	0.0	0
32	Control of Cells Function by Optogenetics. Nippon Laser Igakkaishi, 2014, 34, 394-401.	0.0	0
33	Quantitative Photoacoustic Imaging of The Distribution of The Optical Properties in Biological Medium. Nippon Laser Igakkaishi, 2014, 35, 140-150.	0.0	0
34	Prospects for Therapeutic Application of Optogenetics. Nippon Laser Igakkaishi, 2016, 36, 482-488.	0.0	0
35	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
36	Photobiomodulation Therapy in Plastic Surgery and Dermatology. Nippon Laser Igakkaishi, 2021, 41, 370-384.	0.0	0

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37	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
38	Monitoring of Extracellular Matrix Formation using Nanosecond Pulsed Laser. IEEJ Transactions on Electronics, Information and Systems, 2007, 127, 2166-2170.	0.2	0
39	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
40	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
41	State-of-the-art Photo-acoustic Imaging. IEEJ Transactions on Electronics, Information and Systems, 2012, 132, 1287-1290.	0.2	0
42	Photoacoustic Microscopy for In Vitro Cells Imaging. Nippon Laser Igakkaishi, 2013, 33, 392-398.	0.0	0
43	Photoacoustic Imaging for Cancer Diagnosis. The Review of Laser Engineering, 2013, 41, 606.	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