

Yuji Morimoto

List of Publications by Year in descending order

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105
papers

3,994
citations

147726

31
h-index

123376

61
g-index

109
all docs

109
docs citations

109
times ranked

5488
citing authors

#	ARTICLE	IF	CITATIONS
1	Common Defects of ABCG2, a High-Capacity Urate Exporter, Cause Gout: A Function-Based Genetic Analysis in a Japanese Population. <i>Science Translational Medicine</i> , 2009, 1, 5ra11.	5.8	334
2	Mutations in Glucose Transporter 9 Gene SLC2A9 Cause Renal Hypouricemia. <i>American Journal of Human Genetics</i> , 2008, 83, 744-751.	2.6	317
3	Design and development of dendrimer photosensitizer-incorporated polymeric micelles for enhanced photodynamic therapy. <i>Advanced Drug Delivery Reviews</i> , 2009, 61, 327-338.	6.6	250
4	Intraoperative Lymphography Using Indocyanine Green Dye for Near-Infrared Fluorescence Labeling in Lymphedema. <i>Annals of Plastic Surgery</i> , 2007, 59, 180-184.	0.5	179
5	Tissue-adhesive wirelessly powered optoelectronic device for metronomic photodynamic cancer therapy. <i>Nature Biomedical Engineering</i> , 2019, 3, 27-36.	11.6	155
6	Vascularization in vivo caused by the controlled release of fibroblast growth factor-2 from an injectable chitosan/non-anticoagulant heparin hydrogel. <i>Biomaterials</i> , 2004, 25, 699-706.	5.7	153
7	Enhanced photodynamic cancer treatment by supramolecular nanocarriers charged with dendrimer phthalocyanine. <i>Journal of Controlled Release</i> , 2009, 133, 245-251.	4.8	142
8	Discrimination between normal and malignant human gastric tissues by Fourier transform infrared spectroscopy. <i>Cancer Detection and Prevention</i> , 2004, 28, 32-36.	2.1	141
9	Supramolecular Nanocarrier of Anionic Dendrimer Porphyrins with Cationic Block Copolymers Modified with Polyethylene Glycol to Enhance Intracellular Photodynamic Efficacy. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 419-423.	7.2	141
10	Novel Lymphography Using Indocyanine Green Dye for Near-Infrared Fluorescence Labeling. <i>Annals of Plastic Surgery</i> , 2007, 58, 652-655.	0.5	140
11	Polyion complex micelles for photodynamic therapy: Incorporation of dendritic photosensitizer excitable at long wavelength relevant to improved tissue-penetrating property. <i>Journal of Controlled Release</i> , 2006, 113, 73-79.	4.8	134
12	Chitosan hydrogel as a drug delivery carrier to control angiogenesis. <i>Journal of Artificial Organs</i> , 2006, 9, 8-16.	0.4	125
13	Detection of Skin Perforators by Indocyanine Green Fluorescence Nearly Infrared Angiography. <i>Plastic and Reconstructive Surgery</i> , 2008, 122, 1062-1067.	0.7	109
14	Highly reliable, targeted photothermal cancer therapy combined with thermal dosimetry using a near-infrared absorbent. <i>Scientific Reports</i> , 2020, 10, 9765.	1.6	82
15	Effect of low-intensity argon laser irradiation on mitochondrial respiration. <i>Lasers in Surgery and Medicine</i> , 1994, 15, 191-199.	1.1	80
16	Photodynamic Therapy for Airway Stenosis in Rabbit Models. <i>Chest</i> , 2008, 133, 123-130.	0.4	77
17	Efficacy of Photocrosslinkable Chitosan Hydrogel Containing Fibroblast Growth Factor-2 in a Rabbit Model of Chronic Myocardial Infarction. <i>Journal of Surgical Research</i> , 2005, 126, 27-33.	0.8	76
18	Rabbit Model of Airway Stenosis Induced by Scraping of the Tracheal Mucosa. <i>Laryngoscope</i> , 2005, 115, 1087-1092.	1.1	69

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19	Real-time measurements of endogenous CO production from vascular cells using an ultrasensitive laser sensor. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 280, H483-H488.	1.5	66
20	Disulfide crosslinked polyion complex micelles encapsulating dendrimer phthalocyanine directed to improved efficiency of photodynamic therapy. <i>Journal of Controlled Release</i> , 2011, 155, 449-457.	4.8	66
21	Optimal Photosensitizers for Photodynamic Therapy of Infections Should Kill Bacteria but Spare Neutrophils. <i>Photochemistry and Photobiology</i> , 2012, 88, 227-232.	1.3	62
22	Photodynamic Therapy Can Induce a Protective Innate Immune Response against Murine Bacterial Arthritis via Neutrophil Accumulation. <i>PLoS ONE</i> , 2012, 7, e39823.	1.1	59
23	Calcium phosphate-based organic-inorganic hybrid nanocarriers with pH-responsive on/off switch for photodynamic therapy. <i>Biomaterials Science</i> , 2016, 4, 826-838.	2.6	59
24	Dendrimer Generation Effects on Photodynamic Efficacy of Dendrimer Porphyrins and Dendrimer-Loaded Supramolecular Nanocarriers. <i>Chemistry of Materials</i> , 2007, 19, 5557-5562.	3.2	56
25	Therapeutic angiogenesis induced by controlled release of fibroblast growth factor-2 from injectable chitosan/non-anticoagulant heparin hydrogel in a rat hindlimb ischemia model. <i>Wound Repair and Regeneration</i> , 2007, 15, 58-65.	1.5	46
26	Inhibition of vascular prosthetic graft infection using a photocrosslinkable chitosan hydrogel. <i>Journal of Surgical Research</i> , 2004, 121, 135-140.	0.8	41
27	Photodynamic therapy using nanoparticle loaded with indocyanine green for experimental peritoneal dissemination of gastric cancer. <i>Cancer Science</i> , 2014, 105, 1626-1630.	1.7	41
28	A new rabbit model of myocardial infarction without endotracheal intubation. <i>Journal of Surgical Research</i> , 2004, 116, 124-128.	0.8	39
29	Photodynamic therapy induces an immune response against a bacterial pathogen. <i>Expert Review of Clinical Immunology</i> , 2012, 8, 479-494.	1.3	39
30	Measurement of the surface temperature of the cornea during ArF excimer laser ablation by thermal radiometry with a 15-nanosecond time response. <i>Lasers in Surgery and Medicine</i> , 2002, 30, 54-59.	1.1	36
31	Photodynamic therapy using intra-articular photofrin for murine MRSA arthritis: Biphasic light dose response for neutrophil-mediated antibacterial effect. <i>Lasers in Surgery and Medicine</i> , 2011, 43, 221-229.	1.1	35
32	Theranostic Photosensitive Nanoparticles for Lymph Node Metastasis of Gastric Cancer. <i>Annals of Surgical Oncology</i> , 2015, 22, 923-928.	0.7	32
33	Near-infrared fluorescence imaging and photodynamic therapy with indocyanine green lactosome has antineoplastic effects for hepatocellular carcinoma. <i>PLoS ONE</i> , 2017, 12, e0183527.	1.1	26
34	Metronomic photodynamic therapy using an implantable LED device and orally administered 5-aminolevulinic acid. <i>Scientific Reports</i> , 2020, 10, 22017.	1.6	25
35	Effect of Photocrosslinkable Chitosan Hydrogel and Its Sponges to Stop Bleeding in a Rat Liver Injury Model. <i>Artificial Organs</i> , 2010, 34, 342-347.	1.0	24
36	Simple Rabbit Model of Vulnerable Atherosclerotic Plaque. <i>Neurologia Medico-Chirurgica</i> , 2009, 49, 327-332.	1.0	22

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37	Effect of Modified Ultrafiltration on Inflammatory Mediators, Coagulation Factors, and Other Proteins in Blood after an Extracorporeal Circuit. <i>Artificial Organs</i> , 2004, 28, 310-313.	1.0	19
38	Improved technique for evaluating oral free flaps by pinprick testing assisted by indocyanine green near-infrared fluorescence angiography. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2014, 42, 1112-1116.	0.7	19
39	Temperature measurement for energy-efficient ablation by thermal radiation with a microsecond time constant from the corneal surface during ArF excimer laser ablation. <i>Frontiers of Medical and Biological Engineering: the International Journal of the Japan Society of Medical Electronics and Biological Engineering</i> , 2001, 11, 167-175.	0.2	18
40	Influence of Intra-articular Neutrophils on the Effects of Photodynamic Therapy for Murine MRSA Arthritis. <i>Photochemistry and Photobiology</i> , 2010, 86, 403-409.	1.3	18
41	Linezolid and Vancomycin Decrease the Therapeutic Effect of Methylene Blue Photodynamic therapy in a Mouse Model of MRSA Bacterial Arthritis. <i>Photochemistry and Photobiology</i> , 2013, 89, 679-682.	1.3	18
42	Inkjet-Printed Neural Electrodes with Mechanically Gradient Structure. <i>ACS Applied Bio Materials</i> , 2019, 2, 20-26.	2.3	18
43	Intravesical Ultrasonography for Tumor Staging in an Orthotopically Implanted Rat Model of Bladder Cancer. <i>Journal of Urology</i> , 2007, 177, 1169-1173.	0.2	16
44	New Navigation Surgery for Resection of Lymphatic Malformations Using Indocyanine Green Fluorescence Imaging. <i>American Journal of Case Reports</i> , 2017, 18, 529-531.	0.3	16
45	Molecular Hydrogen Prevents Social Deficits and Depression-Like Behaviors Induced by Low-Intensity Blast in Mice. <i>Journal of Neuropathology and Experimental Neurology</i> , 2018, 77, 827-836.	0.9	16
46	T-Cell Acute Lymphoblastic Leukemia with Transient Pure Red Cell Aplasia Associated with Myasthenia Gravis and Invasive Thymoma. <i>Internal Medicine</i> , 1995, 34, 127-130.	0.3	15
47	Pretreatment with continuous-wave ultraviolet irradiation to prevent the development of delayed vasospasm in the rabbit common carotid artery model. <i>Journal of Neurosurgery</i> , 2000, 92, 671-675.	0.9	15
48	Tumor growth limited to subcutaneous site vs tumor growth in pulmonary site exhibit differential effects on systemic immunities. <i>Oncology Reports</i> , 2017, 38, 449-455.	1.2	15
49	Enhanced cellular engraftment of adipose-derived mesenchymal stem cell spheroids by using nanosheets as scaffolds. <i>Scientific Reports</i> , 2021, 11, 14500.	1.6	15
50	A novel homogeneous irradiation fiber probe for whole bladder wall photodynamic therapy. <i>Lasers in Surgery and Medicine</i> , 2012, 44, 413-420.	1.1	14
51	Effect of interaction between a specific subtype of child abuse and the FKBP5 rs1360780 SNP on DNA methylation among patients with bipolar disorder. <i>Journal of Affective Disorders</i> , 2020, 272, 417-422.	2.0	14
52	A design strategy for small molecule-based targeted MRI contrast agents: their application for detection of atherosclerotic plaques. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 8611-8618.	1.5	13
53	Microfluidic device coupled with a microfabricated oxygen electrode for the measurement of bactericidal activity of neutrophil-like cells. <i>Analytica Chimica Acta</i> , 2017, 985, 1-6.	2.6	13
54	Modified thoracoabdominal nerves block through perichondrial approach (M-TAPA) provides a sufficient postoperative analgesia for laparoscopic sleeve gastrectomy. <i>Journal of Clinical Anesthesia</i> , 2020, 59, 44-45.	0.7	13

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55	The asymmetric learning rates of murine exploratory behavior in sparse reward environments. <i>Neural Networks</i> , 2021, 143, 218-229.	3.3	12
56	Correlation Between Oxygen Consumption and Photobleaching During In Vitro Photodynamic Treatment with ATX-S10A-Na(II) Using Pulsed Light Excitation: Dependence of Pulse Repetition Rate and Irradiation Time. <i>Photochemistry and Photobiology</i> , 2004, 80, 216.	1.3	11
57	Intraosseous transfusion of hemoglobin vesicles in the treatment of hemorrhagic shock with collapsed vessels in a rabbit model. <i>Transfusion</i> , 2020, 60, 1400-1409.	0.8	10
58	Possible Mechanisms of Vascular Relaxation Induced by Pulsed UV Laser. <i>Photochemistry and Photobiology</i> , 1998, 68, 388-393.	1.3	9
59	Thermal Sensor Circuit Using Thermography for Temperature-Controlled Laser Hyperthermia. <i>Journal of Sensors</i> , 2017, 2017, 1-7.	0.6	9
60	Neural extracellular vesicle-derived miR-17 in blood as a potential biomarker of subthreshold depression. <i>Human Cell</i> , 2021, 34, 1087-1092.	1.2	9
61	Preliminary study of laser welding for aortic dissection in a porcine model using a diode laser with indocyanine green. <i>Lasers in Surgery and Medicine</i> , 2003, 32, 341-345.	1.1	8
62	Adrenergic receptor-mediated modulation of striatal firing patterns. <i>Neuroscience Research</i> , 2016, 112, 47-56.	1.0	8
63	The reduced bactericidal activity of neutrophils as an incisive indicator of water-immersion restraint stress and impaired exercise performance in mice. <i>Scientific Reports</i> , 2019, 9, 4562.	1.6	8
64	Inhibition of Experimental Vasospasm by Pretreatment with Ultraviolet Light Irradiation in a Rat Femoral Artery Model. <i>Neurosurgery</i> , 2001, 48, 1318-1327.	0.6	7
65	PHOTODYNAMIC THERAPY WITH PAD-S31, A NEW HYDROPHILIC CHLORIN PHOTOSENSITIZER, IN AN ORTHOTOPIC RAT BLADDER TUMOR MODEL. <i>Journal of Urology</i> , 2005, 174, 2016-2021.	0.2	7
66	Risk factors for elevation of ABR threshold in NICU-treated infants. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2010, 74, 786-790.	0.4	7
67	Microdevice with an Integrated Clark-Type Oxygen Electrode for the Measurement of the Respiratory Activity of Cells. <i>Analytical Chemistry</i> , 2021, 93, 5577-5585.	3.2	7
68	Mutations in Glucose Transporter 9 Gene SLC2A9 Cause Renal Hypouricemia. <i>American Journal of Human Genetics</i> , 2008, 83, 795.	2.6	6
69	Unknown biological effects of l-glucose, ALA, and PUFA. <i>Journal of Physiological Sciences</i> , 2017, 67, 539-548.	0.9	6
70	Inhibition of Experimental Vasospasm by Pretreatment with Ultraviolet Light Irradiation in a Rat Femoral Artery Model. <i>Neurosurgery</i> , 2001, 48, 1318-1327.	0.6	5
71	Preconditioning methods influence tumor property in an orthotopic bladder urothelial carcinoma rat model. <i>Molecular and Clinical Oncology</i> , 2014, 2, 65-70.	0.4	5
72	Investigation of the impact of preconditioning with lipopolysaccharide on inflammation-induced gene expression in the brain and depression-like behavior in male mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2020, 103, 109978.	2.5	5

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73	Nanosecond-time-response temperature measurements using radiation thermometry during 193-nm and 247-nm pulsed light irradiation: comparison of corneal surface temperature histories. , 2001, , .		4
74	Effectiveness of narrow-band ultraviolet-B phototherapy for prevention of intimal hyperplasia in a rat carotid balloon injury model. <i>Lasers in Surgery and Medicine</i> , 2007, 39, 659-666.	1.1	4
75	Flexible Ultrathin Endoscope Integrated with Irrigation Suction Apparatus for Assisting Microneurosurgery. <i>World Neurosurgery</i> , 2017, 108, 589-594.	0.7	4
76	Effects of hyperbaric conditions on fecal microbiota. <i>Bioscience of Microbiota, Food and Health</i> , 2019, 38, 35-39.	0.8	4
77	Developing Thermal Endoscope for Endoscopic Photothermal Therapy for Peritoneal Dissemination. , 2020, , .		4
78	Inhibition of Neointimal Proliferation in Balloon-Injured Arteries Using Non-Anticoagulant Heparin-Carrying Polystyrene. <i>Journal of Cardiovascular Pharmacology</i> , 2004, 43, 31-38.	0.8	3
79	Intracellular kinetics of ATX-S10â€¦Na(II) and its correlation with photochemical reaction dynamics during a pulsed photosensitization process: effect of pulse repetition rate. <i>Journal of Biomedical Optics</i> , 2006, 11, 014005.	1.4	3
80	Accumulation of Photofrin in Lesions of Airway Stenosis Rabbit Models. <i>Photochemistry and Photobiology</i> , 2007, 83, 1220-1225.	1.3	3
81	Sufficient PpIX production for PDT even with short contact time of topically applied 5-ALA in rabbit tongues. <i>Lasers in Medical Science</i> , 2008, 23, 355-360.	1.0	3
82	Photodynamic therapy can induce non-specific protective immunity against a bacterial infection. , 2012, , .		3
83	Colorimetric microchip assay using our own whole blood collected by a painless needle for home medical care. <i>Analyst, The</i> , 2013, 138, 6469.	1.7	3
84	5-Aminolevulinic Acid Attenuates Atherosclerotic Plaque Progression in Low-Density Lipoprotein Receptor-Deficient Mice by Heme Oxygenase-1 Induction. <i>Circulation Reports</i> , 2020, 2, 60-68.	0.4	3
85	Serial changes in serum phosphorylated neurofilament and value for prediction of clinical outcome after traumatic brain injury. , 2020, 11, 387.		3
86	Measuring Task-Related Brain Activity With Event-Related Potentials in Dynamic Task Scenario With Immersive Virtual Reality Environment. <i>Frontiers in Behavioral Neuroscience</i> , 2022, 16, 779926.	1.0	3
87	Amelioration of Airway Stenosis in Rabbit Models by Photodynamic Therapy with Talaporfin Sodium (NPe6). <i>Photochemistry and Photobiology</i> , 2009, 85, 714-718.	1.3	2
88	On-site rapid detection of antibacterial activity of neutrophils using freeze-dried bacteria. <i>Medical Devices & Sensors</i> , 2019, 2, e10030.	2.7	2
89	The composition of the human fecal microbiota might be significantly associated with fecal SCFA levels under hyperbaric conditions. <i>Bioscience of Microbiota, Food and Health</i> , 2021, 40, 168-175.	0.8	2
90	Long-term Effects of UV Light on Contractility of Rat Arteries In Vivo. <i>Photochemistry and Photobiology</i> , 2003, 78, 372.	1.3	1

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91	Correlation Between Oxygen Consumption and Photobleaching During <i>In Vitro</i> Photodynamic Treatment with ATX Na(II) Using Pulsed Light Excitation: Dependence of Pulse Repetition Rate and Irradiation Time. <i>Photochemistry and Photobiology</i> , 2004, 80, 216-223.	1.3	1
92	The Importance of Neutrophils in PDT. <i>Nippon Laser Igakkaishi</i> , 2013, 34, 133-137.	0.0	1
93	Lipopolysaccharide preconditioning reduces liver metastasis of Colon26 cells by enhancing antitumor activity of natural killer cells and natural killer T cells in murine liver. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2020, 36, 1889-1898.	1.4	1
94	Indocyanine Green Fluorography in Plastic Surgery and Microvascular Surgery. <i>Open Surgical Oncology Journal (Online)</i> , 2010, 2, 48-56.	1.7	1
95	Airway Stenosis Model Created by Scraping Tracheal Mucosa of a Rabbit. <i>Nihon Kikan Shokudoka Gakkai Kaiho</i> , 2005, 56, 431-438.	0.0	1
96	Hyperphosphatemia-induced degradation of transcription factor EB exacerbates vascular calcification. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166323.	1.8	1
97	Forearm heating band used in apheresis therapy that employs a positive-temperature coefficient polymer heater. <i>Journal of Clinical Apheresis</i> , 1999, 14, 63-68.	0.7	0
98	Long-term Effects of UV Light on Contractility of Rat Arteries <i>In Vivo</i> . <i>Photochemistry and Photobiology</i> , 2007, 78, 372-376.	1.3	0
99	Fluorescence multispectral imaging-based diagnostic system for atherosclerosis. <i>BioMedical Engineering OnLine</i> , 2016, 15, 98.	1.3	0
100	Effect of 5-Aminolevuric Acid on the Wound Healing. <i>Nippon Laser Igakkaishi</i> , 2018, 38, 451-456.	0.0	0
101	Direction for Development of Photothermal Therapy. <i>Thermal Medicine</i> , 2021, 37, 108-109.	0.0	0
102	Development of acellular xenogeneic aortic valve : Decellularization via microwave irradiation under pulsatile circulation and re-endothelialization using a novel pulsatile bioreactor. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME</i> , 2004, 2004.16, 437-438.	0.0	0
103	Photodynamic Therapy for Airway Stenosis using Rabbit Models. <i>Nihon Kikan Shokudoka Gakkai Kaiho</i> , 2008, 59, 1-11.	0.0	0
104	Development of polymeric micelles for innovative photodynamic therapy. <i>Drug Delivery System</i> , 2010, 25, 448-455.	0.0	0
105	Photodynamic Therapy (PDT) and Diagnosis (PDD) with a Dendrimer Photosensitizer-encapsulated Polymeric Micelle. <i>Nippon Laser Igakkaishi</i> , 2012, 33, 104-109.	0.0	0