

# Kousuke Tsukada

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7881282/publications.pdf>

Version: 2024-02-01

50  
papers

1,044  
citations

516561

16  
h-index

414303

32  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1441  
citing authors

#	ARTICLE	IF	CITATIONS
1	pH-taxis drives aerobic bacteria in duodenum to migrate into the pancreas with tumors. Scientific Reports, 2022, 12, 1783.	1.6	4
2	Ex vivo sensing of primordial follicles in ovarian tissues by spectral-domain optical coherence tomography. , 2022, , .		0
3	Development of a Patch-Type Flexible Oxygen Partial Pressure Sensor. IEEE Journal of Translational Engineering in Health and Medicine, 2020, 8, 1-7.	2.2	6
4	Respiration and Heat Shock Protein After Short-Term Heating/Stretch-Fixing on Smooth Muscle Cells. Cardiovascular Engineering and Technology, 2020, 11, 308-315.	0.7	0
5	Bacterial proteolytic activity improves drug delivery in tumors in a size, pharmacokinetic, and binding affinity dependent manner “ A mechanistic understanding. Journal of Controlled Release, 2020, 321, 348-362.	4.8	6
6	High-throughput single-cell live imaging of photobiomodulation with multispectral near-infrared lasers in cultured T cells. Journal of Biomedical Optics, 2020, 25, 1.	1.4	10
7	Convolutional neural network-based automatic detection of follicle cells in ovarian tissue using optical coherence tomography. Biomedical Physics and Engineering Express, 2020, 6, 065026.	0.6	3
8	Increasing surface-enhanced Raman scattering density using gold-coated magnetic nanoparticles controlled via a magnetic field for sensitive and efficient biomarker detection. AIP Advances, 2019, 9, .	0.6	6
9	Real-Time Imaging of Vaccine Biodistribution Using Zwitterionic NIR Nanoparticles. Advanced Healthcare Materials, 2019, 8, 1900035.	3.9	10
10	Micro/nano particle-based oxygen sensing film for monitoring respiration of cells cultured in a microfluidic device. Japanese Journal of Applied Physics, 2019, 58, SDDK03.	0.8	4
11	Preliminary human application of optical coherence tomography for quantification and localization of primordial follicles aimed at effective ovarian tissue transplantation. Journal of Assisted Reproduction and Genetics, 2018, 35, 627-636.	1.2	11
12	Brief Exposure of Skin to Near-Infrared Laser Modulates Mast Cell Function and Augments the Immune Response. Journal of Immunology, 2018, 201, 3587-3603.	0.4	18
13	Accuracy and safety verification of ovarian reserve assessment technique for ovarian tissue transplantation using optical coherence tomography in mice ovary. Scientific Reports, 2017, 7, 43550.	1.6	18
14	Semiconductor diode laser device adjuvanting intradermal vaccine. Vaccine, 2017, 35, 2404-2412.	1.7	16
15	Biodegradable polycaprolactone nanofibres with $\beta$ -chitosan and calcium carbonate produce a hemostatic effect. Polymer, 2017, 123, 194-202.	1.8	34
16	Near-Infrared 1064 nm Laser Modulates Migratory Dendritic Cells To Augment the Immune Response to Intradermal Influenza Vaccine. Journal of Immunology, 2017, 199, 1319-1332.	0.4	24
17	Immobilized Monolayer Nanoparticles in a Microfluidic Device for Surface Enhanced Raman Scattering Measurement. Advanced Biomedical Engineering, 2017, 6, 122-128.	0.4	1
18	Simultaneous mapping of unevenly distributed tissue hypoxia and vessel permeability in tumor microenvironment. Biomedical Physics and Engineering Express, 2016, 2, 065017.	0.6	1

#	ARTICLE	IF	CITATIONS
19	Leukocyte plugging and cortical capillary flow after subarachnoid hemorrhage. <i>Acta Neurochirurgica</i> , 2016, 158, 1057-1067.	0.9	15
20	Cortical microcirculatory disturbance in the super acute phase of subarachnoid hemorrhage - In vivo analysis using two-photon laser scanning microscopy. <i>Journal of the Neurological Sciences</i> , 2016, 368, 326-333.	0.3	14
21	Facile design of plant-oil-infused fine surface asperity for transparent blood-repelling endoscope lens. <i>RSC Advances</i> , 2016, 6, 47579-47587.	1.7	26
22	Optical Scanning of Tissue Oxygen Tension and Hypoxia Imaging in Solid Tumors. <i>Advanced Biomedical Engineering</i> , 2014, 3, 65-71.	0.4	0
23	Hypoxia Imaging of Tumor and Spatiotemporal Analysis during Oxygen Inhalation. <i>Electronics and Communications in Japan</i> , 2014, 97, 17-23.	0.3	0
24	An in vitro hepatic zonation model with a continuous oxygen gradient in a microdevice. <i>Biochemical and Biophysical Research Communications</i> , 2014, 453, 767-771.	1.0	34
25	Hypoxia-Inducible Factor-1 Is a Determinant of Lobular Structure and Oxygen Consumption in the Liver. <i>Microcirculation</i> , 2013, 20, 385-393.	1.0	14
26	Generation of an Oxygen Gradient in a Microfluidic Device and Cellular Analysis in Hypoxia. <i>Advanced Biomedical Engineering</i> , 2013, 2, 143-149.	0.4	7
27	Near-Infrared Laser Adjuvant for Influenza Vaccine. <i>PLoS ONE</i> , 2013, 8, e82899.	1.1	39
28	Visualization and Analysis of Blood Flow and Oxygen Consumption in Hepatic Microcirculation: Application to an Acute Hepatitis Model. <i>Journal of Visualized Experiments</i> , 2012, , e3996.	0.2	4
29	Co-culture Microdevice with Oxygen Gradient for Tumor Microenvironment Model and Metastasis Imaging. <i>American Journal of Biomedical Engineering</i> , 2012, 2, 175-180.	0.9	7
30	Hypoxia Imaging of Tumor and Spatiotemporal Analysis during Oxygen Inhalation. <i>IEEJ Transactions on Electronics, Information and Systems</i> , 2012, 132, 1602-1607.	0.1	0
31	Spatiotemporal measurement of tumor oxygenation reveals repeat hypoxic phenomenon in mice. , 2011, 2011, 5965-8.		2
32	Abstract LB-288: Restoration of peri-vascular nitric oxide gradient radio-sensitizes murine breast cancers via vascular normalization.. , 2011, , .		0
33	T-state Stabilization of Hemoglobin by Nitric Oxide to Form $\hat{\pm}$ -Nitrosyl Heme Causes Constitutive Release of ATP from Human Erythrocytes. <i>Advances in Experimental Medicine and Biology</i> , 2010, 662, 109-114.	0.8	6
34	Fenofibrate, a Peroxisome Proliferator-Activated Receptor $\hat{\pm}$ Agonist, Improves Hepatic Microcirculatory Patency and Oxygen Availability in a High-Fat-Diet-Induced Fatty Liver in Mice. <i>Advances in Experimental Medicine and Biology</i> , 2010, 662, 77-82.	0.8	35
35	Phosphorescence-Assisted Microvascular O <sub>2</sub> Measurements Reveal Alterations of Oxygen Demand in Human Metastatic Colon Cancer in the Liver of Superimmunodeficient NOG Mice. <i>Advances in Experimental Medicine and Biology</i> , 2010, 662, 423-429.	0.8	9
36	Perivascular nitric oxide gradients normalize tumor vasculature. <i>Nature Medicine</i> , 2008, 14, 255-257.	15.2	161

#	ARTICLE	IF	CITATIONS
37	Roles of Hemoglobin Allostery in Hypoxia-induced Metabolic Alterations in Erythrocytes. Journal of Biological Chemistry, 2007, 282, 10731-10741.	1.6	83
38	Microscopic Local Measurement of Blood Flow and Oxygen Tension in Brain Microcirculation. IEEJ Transactions on Electronics, Information and Systems, 2007, 127, 1529-1536.	0.1	0
39	Erythrocytes with T-State "Stabilized Hemoglobin as a Therapeutic Tool for Postischemic Liver Dysfunction. Antioxidants and Redox Signaling, 2006, 8, 1847-1855.	2.5	11
40	Carbon Monoxide as a Guardian against Hepatobiliary Dysfunction. Alcoholism: Clinical and Experimental Research, 2005, 29, 134S-139S.	1.4	9
41	Red blood cell velocity and oxygen tension measurement in cerebral microvessels by double-wavelength photoexcitation. Journal of Applied Physiology, 2004, 96, 1561-1568.	1.2	26
42	Development of catheter-type optical oxygen sensor and applications to bioinstrumentation. Biosensors and Bioelectronics, 2003, 18, 1439-1445.	5.3	53
43	Optical Bioimaging: From Living Tissue to a Single Molecule: Imaging and Functional Analysis of Blood Flow in Organic Microcirculation. Journal of Pharmacological Sciences, 2003, 93, 227-233.	1.1	19
44	Platelet adhesion and arteriolar dilation in the photothrombosis: observation with the rat closed cranial and spinal windows. Journal of the Neurological Sciences, 2002, 194, 59-69.	0.3	22
45	Measurement of Elasticity of Erythrocytes Using Atomic Force Microscope. IEEJ Transactions on Electronics, Information and Systems, 2002, 122, 1664-1671.	0.1	0
46	Direct Measurement of Erythrocyte Deformability in Diabetes Mellitus with a Transparent Microchannel Capillary Model and High-Speed Video Camera System. Microvascular Research, 2001, 61, 231-239.	1.1	212
47	Simultaneous Measurement of Blood Flow Distribution and Oxygen Tension by Photoexcitation in Organ Microcirculation. IEEJ Transactions on Electronics, Information and Systems, 2001, 121, 1415-1421.	0.1	0
48	Image correlation method for measuring blood flow velocity in microcirculation: correlation 'window' simulation and in vivo image analysis. Physiological Measurement, 2000, 21, 459-471.	1.2	60
49	Simultaneous measurement of blood flow distribution and oxygen tension by photo-excitation in organ microcirculation. , 0, , .		0
50	Analysis of elasticity and deformability of erythrocytes using micro-channel flow system and atomic force microscope. , 0, , .		3