

Goro Nishimura

List of Publications by Year in descending order

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55
papers

1,322
citations

393982

19
h-index

344852

36
g-index

57
all docs

57
docs citations

57
times ranked

1372
citing authors

#	ARTICLE	IF	CITATIONS
1	On fluorescence imaging: The diffusion equation model and recovery of the absorption coefficient of fluorophores. <i>Science China Mathematics</i> , 2022, 65, 1179-1198.	0.8	2
2	Fast and robust reconstruction algorithm for fluorescence diffuse optical tomography assuming a cuboid target. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2020, 37, 231.	0.8	2
3	Contrast improvement in indocyanine green fluorescence sensing in thick tissue using a time-gating method. <i>Biomedical Optics Express</i> , 2019, 10, 1234.	1.5	2
4	Fluorescence Image Contrast Improvement by a Time-domain Method. , 2018, , .		0
5	A novel approach for the time-domain fluorescence imaging of a semi-infinite turbid medium: Monte Carlo evaluation. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
6	A new scheme of the time-domain fluorescence tomography for a semi-infinite turbid medium. <i>Optical Review</i> , 2017, 24, 242-251.	1.2	3
7	Aspiration risk detection using oral administration of fluorescent food " Preliminary experiments using meat phantoms. , 2017, , .		1
8	Fluorescence lifetime measurements in heterogeneous scattering medium. <i>Journal of Biomedical Optics</i> , 2016, 21, 075013.	1.4	6
9	Note: Design of a full photon-timing recorder down to 1-ns resolution for fluorescence fluctuation measurements. <i>Review of Scientific Instruments</i> , 2015, 86, 106108.	0.6	5
10	Synthesis and optical properties of emission-tunable PbS/CdS core-shell quantum dots for in vivo fluorescence imaging in the second near-infrared window. <i>RSC Advances</i> , 2014, 4, 41164-41171.	1.7	76
11	Fluorescence Decay Measurements in Tissue-like Scattering Medium. , 2014, , .		1
12	Non-contact type time-domain fluorescence diffuse optical tomography for quantitative analysis of fluorophores. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
13	Modification of near-infrared cyanine dyes by serum albumin protein. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 461-463.	1.6	21
14	Time-domain fluorescence diffuse optical tomography for living animals by total-light algorithm. <i>Proceedings of SPIE</i> , 2011, , .	0.8	2
15	Quantification of Fluorescence Target in Tissue Phantoms by Time-domain Diffuse Optical Tomography with Phantoms " Total-light Approach. , 2010, , .		0
16	Optical properties on rat heads measured by the diffuse reflectance method over 1 μm . , 2008, , .		0
17	Expansion of intensity correlation spectroscopy for lifetime measurements" application to intracellular oxygen dynamics measurements. <i>Journal of Biomedical Optics</i> , 2007, 12, 020503.	1.4	1
18	Phosphorescence decay time measurements using intensity correlation spectroscopy. <i>Experimental and Molecular Pathology</i> , 2007, 82, 175-183.	0.9	1

#	ARTICLE	IF	CITATIONS
19	Characterization of optical parameters with a human forearm at the region from 1.15 to 1.52 μm using diffuse reflectance measurements. <i>Physics in Medicine and Biology</i> , 2006, 51, 2997-3011.	1.6	19
20	Water content in a forearm measured by the diffuse reflectance method over 1 μm . , 2006, , .		0
21	Artefacts in the analysis of temporal response functions measured by photon counting. <i>Physics in Medicine and Biology</i> , 2005, 50, 1327-1342.	1.6	24
22	In Vivo Fluorescence Tracking of Bone Marrow Stromal Cells Transplanted into a Pneumatic Injury Model of Rat Spinal Cord. <i>Journal of Neurotrauma</i> , 2005, 22, 907-918.	1.7	63
23	Simple peak shift analysis of time-of-flight data with a slow instrumental response function. <i>Journal of Biomedical Optics</i> , 2005, 10, 014016.	1.4	8
24	Dead-time distortion in fluorescence correlation measurements. <i>Applied Optics</i> , 2005, 44, 3458.	2.1	7
25	Experimental evidence of distance-dependent diffusion coefficients of a globular protein observed in polymer aqueous solution forming a network structure on nanometer scale. <i>Journal of Chemical Physics</i> , 2004, 121, 10787-10793.	1.2	19
26	Anoxia induces matrix shrinkage accompanied by an increase in light scattering in isolated brain mitochondria. <i>Brain Research</i> , 2004, 999, 29-39.	1.1	27
27	Systematic Error in Fluorescence Correlation Measurements Identified by a Simple Saturation Model of Fluorescence. <i>Analytical Chemistry</i> , 2004, 76, 1963-1970.	3.2	39
28	In vivo tracking of bone marrow stromal cells transplanted into mice cerebral infarct by fluorescence optical imaging. <i>Brain Research Protocols</i> , 2004, 13, 166-175.	1.7	79
29	Peak time analysis of TOF data with limitation of the temporal resolution and its application for measurements on a human forearm at 1.29 μm . , 2004, , .		1
30	Multi-Photon Fluorescence Correlation Spectroscopy: a Quantification of Tryptophan Methyl ester Solutions by Visible Emission. <i>Optical Review</i> , 2003, 10, 588-591.	1.2	1
31	Visible Emission of a Photoproduct from Tryptophan Solution Induced by Multiphoton Excitation: An Investigation by Intensity Fluctuation Analysis. <i>Journal of Physical Chemistry B</i> , 2003, 107, 6012-6017.	1.2	7
32	Simple setup for nanosecond time-resolved spectroscopic measurements by a digital storage oscilloscope. <i>Physics in Medicine and Biology</i> , 2003, 48, N283-N290.	1.6	2
33	Synthesis of Hydrogels with Extremely Low Surface Friction. <i>Journal of the American Chemical Society</i> , 2001, 123, 5582-5583.	6.6	229
34	Analysis of interaction between chaperonin GroEL and its substrate using fluorescence correlation spectroscopy. <i>Cytometry</i> , 1999, 36, 247-253.	1.8	45
35	Analysis of interaction between chaperonin GroEL and its substrate using fluorescence correlation spectroscopy. <i>Cytometry</i> , 1999, 36, 247-53.	1.8	15
36	Fluorescence Correlation Spectroscopy as an Analytical Tool of Enzymatic Reactions in the Single Molecule Level.. <i>Seibutsu Butsuri</i> , 1999, 39, 81-85.	0.0	1

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37	Single-Molecule Analysis of Restriction DNA Fragments Using Fluorescence Correlation Spectroscopy. Analytical Biochemistry, 1998, 260, 166-172.	1.1	44
38	Expression of optical diffusion coefficient in high-absorption turbid media. Electronics and Communications in Japan, 1998, 81, 34-41.	0.2	1
39	Expression of optical diffusion coefficient in high-absorption turbid media. Physics in Medicine and Biology, 1997, 42, 2541-2549.	1.6	58
40	<title>Diffusing temporal light correlation for burn diagnosis</title>. , 1997, 2979, 468.		4
41	Number analysis of fluorescence correlation spectroscopy for the cleaving process of fluorescence labeled DNA. Bioimaging, 1997, 5, 129-133.	1.8	19
42	Fluorescence correlation spectroscopy as a detection tool of point mutation in genes. Bioimaging, 1997, 5, 134-138.	1.8	19
43	Optical tomography by the temporally extrapolated absorbance method. Applied Optics, 1996, 35, 169.	2.1	20
44	A simple and novel algorithm for time-resolved multiwavelength oximetry. Physics in Medicine and Biology, 1996, 41, 551-562.	1.6	41
45	Diffusing-wave absorption spectroscopy in homogeneous turbid media. Optics Communications, 1996, 128, 99-107.	1.0	9
46	<title>Determination of absolute concentration of oxy- and deoxyhemoglobin in rat head by time-resolved Beer-Lambert law</title>. , 1995, , .		2
47	<title>Optical CT using the temporally extrapolated absorbance method (TEAM)</title>. , 1995, 2326, 505.		2
48	Some Characteristics of the Fluorescence Lifetime of Reduced Pyridine Nucleotides in Isolated Mitochondria, Isolated Hepatocytes, and Perfused Rat Liver In Situ. Journal of Biochemistry, 1995, 118, 1151-1160.	0.9	109
49	Absorbance measurements in turbid media by the photon correlation method. Applied Optics, 1995, 34, 7419.	2.1	8
50	Contribution of mixing to the $5D_0 \rightarrow 7F_0$ transition of Eu^{3+} ions in several host matrices. Physical Review B, 1994, 49, 16917-16925.	1.1	117
51	Luminescence Studies in $\text{Ca}(\text{PO}_3)_2:\text{Eu}^{3+}$ Glass by Laser-Induced Fluorescence Line-Narrowing Technique. II. Distribution of the Crystal-Field Parameters. Journal of the Physical Society of Japan, 1991, 60, 695-703.	0.7	26
52	$5D_0-7F_0$ transition mechanism of Eu^{3+} in $\text{Ca}(\text{PO}_3)_2$ glass, Y_2O_3 crystal and polyvinyl alcohol. Journal of Luminescence, 1991, 48-49, 473-476.	1.5	20
53	Luminescence Studies in $\text{Ca}(\text{PO}_3)_2:\text{Eu}^{3+}$ Glass by Laser-Induced Fluorescence Line-Narrowing Technique. I. Optical Transition Mechanism of the $5D_0-7F_0$ Line. Journal of the Physical Society of Japan, 1991, 60, 683-694.	0.7	47
54	Effects of crystal-field-induced level-mixing on luminescence properties of Eu^{3+} IN $\text{Ca}(\text{PO}_3)_2$ glass. Journal of Luminescence, 1988, 40-41, 111-112.	1.5	3

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55	Local field in glass probed by laser-induced fluorescence-line narrowing in $\text{Ca}(\text{PO}_3)_2:\text{Eu}^{3+}$. Physical Review B, 1988, 37, 9075-9078.	1.1	64