

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	Synthesis of Hydrogels with Extremely Low Surface Friction. <i>Journal of the American Chemical Society</i> , 2001, 123, 5582-5583.	6.6	229
2	Contribution of mixing to the $^5D_0 \rightarrow ^7F_0$ transition of Eu^{3+} ions in several host matrices. <i>Physical Review B</i> , 1994, 49, 16917-16925.	1.1	117
3	Some Characteristics of the Fluorescence Lifetime of Reduced Pyridine Nucleotides in Isolated Mitochondria, Isolated Hepatocytes, and Perfused Rat Liver In Situ. <i>Journal of Biochemistry</i> , 1995, 118, 1151-1160.	0.9	109
4	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
5	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
6	Local field in glass probed by laser-induced fluorescence-line narrowing in $\text{Ca}(\text{PO}_3)_2:\text{Eu}^{3+}$. <i>Physical Review B</i> , 1988, 37, 9075-9078.	1.1	64
7	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
8	Expression of optical diffusion coefficient in high-absorption turbid media. <i>Physics in Medicine and Biology</i> , 1997, 42, 2541-2549.	1.6	58
9	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. <i>Journal of the Physical Society of Japan</i> , 1991, 60, 683-694.	0.7	47
10	Analysis of interaction between chaperonin GroEL and its substrate using fluorescence correlation spectroscopy. <i>Cytometry</i> , 1999, 36, 247-253.	1.8	45
11	Single-Molecule Analysis of Restriction DNA Fragments Using Fluorescence Correlation Spectroscopy. <i>Analytical Biochemistry</i> , 1998, 260, 166-172.	1.1	44
12	A simple and novel algorithm for time-resolved multiwavelength oximetry. <i>Physics in Medicine and Biology</i> , 1996, 41, 551-562.	1.6	41
13	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
14	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
15	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. <i>Journal of the Physical Society of Japan</i> , 1991, 60, 695-703.	0.7	26
16	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
17	Modification of near-infrared cyanine dyes by serum albumin protein. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 461-463.	1.6	21
18	5D_0 - 7F_0 transition mechanism of Eu^{3+} in $\text{Ca}(\text{PO}_3)_2$ glass, Y_2O_3 crystal and polyvinyl alcohol. <i>Journal of Luminescence</i> , 1991, 48-49, 473-476.	1.5	20

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19	Optical tomography by the temporally extrapolated absorbance method. Applied Optics, 1996, 35, 169.	2.1	20
20	Number analysis of fluorescence correlation spectroscopy for the cleaving process of fluorescence labeled DNA. Bioimaging, 1997, 5, 129-133.	1.8	19
21	Experimental evidence of distance-dependent diffusion coefficients of a globular protein observed in polymer aqueous solution forming a network structure on nanometer scale. Journal of Chemical Physics, 2004, 121, 10787-10793.	1.2	19
22	Characterization of optical parameters with a human forearm at the region from 1.15 to 1.52 μm using diffuse reflectance measurements. Physics in Medicine and Biology, 2006, 51, 2997-3011.	1.6	19
23	Fluorescence correlation spectroscopy as a detection tool of point mutation in genes. Bioimaging, 1997, 5, 134-138.	1.8	19
24	Analysis of interaction between chaperonin GroEL and its substrate using fluorescence correlation spectroscopy. Cytometry, 1999, 36, 247-53.	1.8	15
25	Diffusing-wave absorption spectroscopy in homogeneous turbid media. Optics Communications, 1996, 128, 99-107.	1.0	9
26	Absorbance measurements in turbid media by the photon correlation method. Applied Optics, 1995, 34, 7419.	2.1	8
27	Simple peak shift analysis of time-of-flight data with a slow instrumental response function. Journal of Biomedical Optics, 2005, 10, 014016.	1.4	8
28	Visible Emission of a Photoproduct from Tryptophan Solution Induced by Multiphoton Excitation: An Investigation by Intensity Fluctuation Analysis. Journal of Physical Chemistry B, 2003, 107, 6012-6017.	1.2	7
29	Dead-time distortion in fluorescence correlation measurements. Applied Optics, 2005, 44, 3458.	2.1	7
30	Fluorescence lifetime measurements in heterogeneous scattering medium. Journal of Biomedical Optics, 2016, 21, 075013.	1.4	6
31	Note: Design of a full photon-timing recorder down to 1-ns resolution for fluorescence fluctuation measurements. Review of Scientific Instruments, 2015, 86, 106108.	0.6	5
32	<title>Diffusing temporal light correlation for burn diagnosis</title>. , 1997, 2979, 468.		4
33	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
34	A new scheme of the time-domain fluorescence tomography for a semi-infinite turbid medium. Optical Review, 2017, 24, 242-251.	1.2	3
35	<title>Determination of absolute concentration of oxy- and deoxyhemoglobin in rat head by time-resolved Beer-Lambert law</title>. , 1995, , .		2
36	<title>Optical CT using the temporally extrapolated absorbance method (TEAM)</title>. , 1995, 2326, 505.		2

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37	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
38	Time-domain fluorescence diffuse optical tomography for living animals by total-light algorithm. <i>Proceedings of SPIE</i> , 2011, , .	0.8	2
39	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
40	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
41	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
42	Expression of optical diffusion coefficient in high-absorption turbid media. <i>Electronics and Communications in Japan</i> , 1998, 81, 34-41.	0.2	1
43	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
44	Expansion of intensity correlation spectroscopy for lifetime measurementsâ€™ application to intracellular oxygen dynamics measurements. <i>Journal of Biomedical Optics</i> , 2007, 12, 020503.	1.4	1
45	Phosphorescence decay time measurements using intensity correlation spectroscopy. <i>Experimental and Molecular Pathology</i> , 2007, 82, 175-183.	0.9	1
46	Aspiration risk detection using oral administration of fluorescent food â€™ Preliminary experiments using meat phantoms. , 2017, , .		1
47	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
48	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
49	Fluorescence Decay Measurements in Tissue-like Scattering Medium. , 2014, , .		1
50	Quantification of Fluorescence Target in Tissue Phantoms by Time-domain Diffuse Optical Tomography with Phantoms â€™ Total-light Approach. , 2010, , .		0
51	Non-contact type time-domain fluorescence diffuse optical tomography for quantitative analysis of fluorophores. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
52	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
53	Water content in a forearm measured by the diffuse reflectance method over 1 μm . , 2006, , .		0
54	Optical properties on rat heads measured by the diffuse reflectance method over 1 μm . , 2008, , .		0

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55	Fluorescence Image Contrast Improvement by a Time-domain Method. , 2018, , .		0