

Tetsuo Iwata

List of Publications by Year in descending order

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papers

418
citations

687363

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752698

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33
all docs

33
docs citations

33
times ranked

252
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement of minimum paint film thickness for THz paint meters by multiple-regression analysis. Applied Optics, 2007, 46, 7518.	2.1	58
2	Elimination of the Uninformative Calibration Sample Subset in the Modified UVE (Uninformative) Tj ETQq0 0 0 rgBT ₁ /Overlock 10 Tf 50 7	1.6	40
3	Hadamard-transform fluorescence-lifetime imaging. Optics Express, 2016, 24, 8202.	3.4	25
4	Phase-Modulation Fluorometer Using an Ultraviolet Light-Emitting Diode. Optical Review, 2000, 7, 495-498.	2.0	22
5	A Nanosecond Photon-Counting Fluorimetric System Using a Modified Multichannel Vernier Chronotron. Applied Spectroscopy, 1985, 39, 101-109.	2.2	21
6	Construction of Time-Resolved Fluorescence Detector for Amino Compounds after High-Performance Liquid Chromatography Using Europium Chelate. Analytical Chemistry, 1997, 69, 1861-1865.	6.5	19
7	Double-modulation reflection-type terahertz ellipsometer for measuring the thickness of a thin paint coating. Optics Express, 2014, 22, 20595.	3.4	18
8	Simulation of an absorption-based surface-plasmon resonance sensor by means of ellipsometry. Applied Optics, 2007, 46, 1575.	2.1	17
9	Photon-Counting Phase-Modulation Fluorometer. Optical Review, 2001, 8, 326-330.	2.0	16
10	Proposal for Fourier-Transform Phase-Modulation Fluorometer. Optical Review, 2003, 10, 31-37.	2.0	16
11	Simple Photomultiplier Tube Internal-Gating Method for Use in Subnanosecond Time-Resolved Spectroscopy. Applied Spectroscopy, 2003, 57, 1145-1150.	2.2	14
12	Measurements of complex refractive indices of metals at several wavelengths by frustrated total internal reflection due to surface plasmon resonance. Applied Optics, 2008, 47, 2386.	2.1	14
13	Time-resolved high-performance liquid chromatography fluorescence detector using a nanosecond pulsed light source for detecting lanthanide-chelated compounds. Journal of Chromatography A, 1999, 859, 13-21.	3.7	11
14	Construction of a Fourier-transform phase-modulation fluorometer. Measurement Science and Technology, 2005, 16, 2351-2356.	2.6	11
15	Prediction of the Thickness of a Thin Paint Film by Applying a Modified Partial-Least-Squares-1 Method to Data Obtained in Terahertz Reflectometry. Journal of Infrared, Millimeter, and Terahertz Waves, 2013, 34, 646-659.	2.2	11
16	Combination of a Gated Phtotomultiplier Tube and a Phase Sensitive Detector for Use in an Intensive Pulsed Background Light Situation. Optical Review, 2002, 9, 18-24.	2.0	10
17	Analysis of Data Obtained from a Frequency-Multiplexed Phase-Modulation Fluorometer Using an Autoregressive Model. Applied Spectroscopy, 2007, 61, 950-955.	2.2	8
18	Ellipsometric measurement technique for a modified Otto configuration used for observing surface-plasmon resonance. Optics Express, 2010, 18, 14480.	3.4	8

#	ARTICLE	IF	CITATIONS
19	Pseudo-Lock-in Light Detection Method for a Sinusoidally-Gain-Modulated Photomultiplier Tube. <i>Optical Review</i> , 2004, 11, 19-23.	2.0	7
20	Phase-Modulation Fluorometer Using a Dynode-Voltage Burst-Modulated Photomultiplier Tube. <i>Applied Spectroscopy</i> , 2005, 59, 1049-1053.	2.2	7
21	Time-between-photons method for measuring fluorescence lifetimes. <i>Optical Review</i> , 2013, 20, 1-6.	2.0	7
22	Precise Measurement of the Thickness of a Dielectric Layer on a Metal Surface by Use of a Modified Otto Optical Configuration. <i>International Journal of Optomechatronics</i> , 2015, 9, 48-61.	6.6	7
23	High-speed, FPGA-based photon-counting fluorometer with high data-gathering efficiency. <i>Measurement Science and Technology</i> , 2017, 28, 075501.	2.6	7
24	Phase-modulation fluorometer using a phase-modulated excitation light source. <i>Optical Review</i> , 2012, 19, 222-227.	2.0	5
25	FPGA-based photon-counting phase-modulation fluorometer and a brief comparison with that operated in a pulsed-excitation mode. <i>Optical Review</i> , 2018, 25, 94-101.	2.0	5
26	Autoregressive-Model-Based Fluorescence-Lifetime Measurements by Phase-Modulation Fluorometry Using a Pulsed-Excitation Light Source and a High-Gain Photomultiplier Tube. <i>Applied Spectroscopy</i> , 2009, 63, 1256-1261.	2.2	3
27	Comparison of pulsed-excitation and phase-modulation methods for estimating fluorescence lifetime values using a convolved-autoregressive model and a high-gain photomultiplier tube. <i>Optical Review</i> , 2010, 17, 513-518.	2.0	2
28	1-bit photon cross-correlation-based phase-modulation fluorometer using an OFDM signal-modulated excitation light source. <i>Measurement Science and Technology</i> , 2019, 30, 065901.	2.6	1
29	Real-time terahertz color scanner. , 2010, , .		0
30	High-efficiency photon-counting fluorometer with a channel width of 5.0Åps. <i>Optical Review</i> , 2018, 25, 608-614.	2.0	0
31	Fluorescence lifetime estimation by 1-bit photon autocorrelation procedure from time-series data recorded using a high-speed digitizer. <i>Optical Review</i> , 2019, 26, 362-368.	2.0	0
32	P-25 Distribution of fluorescence lifetime of human dentin measured by nanosecond time-resolved fluorescence microscopy. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2007, 2007.6, _P-25-1_-_P-25-3_.	0.0	0