

# Tetsuo Iwata

## List of Publications by Year in descending order

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32  
papers

418  
citations

687363

13  
h-index

752698

20  
g-index

33  
all docs

33  
docs citations

33  
times ranked

252  
citing authors

#	ARTICLE	IF	CITATIONS
1	1-bit photon cross-correlation-based phase-modulation fluorometer using an OFDM signal-modulated excitation light source. Measurement Science and Technology, 2019, 30, 065901.	2.6	1
2	Fluorescence lifetime estimation by 1-bit photon autocorrelation procedure from time-series data recorded using a high-speed digitizer. Optical Review, 2019, 26, 362-368.	2.0	0
3	FPGA-based photon-counting phase-modulation fluorometer and a brief comparison with that operated in a pulsed-excitation mode. Optical Review, 2018, 25, 94-101.	2.0	5
4	High-efficiency photon-counting fluorometer with a channel width of 5.0Åps. Optical Review, 2018, 25, 608-614.	2.0	0
5	High-speed, FPGA-based photon-counting fluorometer with high data-gathering efficiency. Measurement Science and Technology, 2017, 28, 075501.	2.6	7
6	Hadamard-transform fluorescence-lifetime imaging. Optics Express, 2016, 24, 8202.	3.4	25
7	Precise Measurement of the Thickness of a Dielectric Layer on a Metal Surface by Use of a Modified Otto Optical Configuration. International Journal of Optomechatronics, 2015, 9, 48-61.	6.6	7
8	Double-modulation reflection-type terahertz ellipsometer for measuring the thickness of a thin paint coating. Optics Express, 2014, 22, 20595.	3.4	18
9	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
10	Time-between-photons method for measuring fluorescence lifetimes. Optical Review, 2013, 20, 1-6.	2.0	7
11	Phase-modulation fluorometer using a phase-modulated excitation light source. Optical Review, 2012, 19, 222-227.	2.0	5
12	Comparison of pulsed-excitation and phase-modulation methods for estimating fluorescence lifetime values using a convolved-autoregressive model and a high-gain photomultiplier tube. Optical Review, 2010, 17, 513-518.	2.0	2
13	Real-time terahertz color scanner. , 2010, , .		0
14	Ellipsometric measurement technique for a modified Otto configuration used for observing surface-plasmon resonance. Optics Express, 2010, 18, 14480.	3.4	8
15	Autoregressive-Model-Based Fluorescence-Lifetime Measurements by Phase-Modulation Fluorometry Using a Pulsed-Excitation Light Source and a High-Gain Photomultiplier Tube. Applied Spectroscopy, 2009, 63, 1256-1261.	2.2	3
16	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
17	Simulation of an absorption-based surface-plasmon resonance sensor by means of ellipsometry. Applied Optics, 2007, 46, 1575.	2.1	17
18	Improvement of minimum paint film thickness for THz paint meters by multiple-regression analysis. Applied Optics, 2007, 46, 7518.	2.1	58

#	ARTICLE	IF	CITATIONS
19	Analysis of Data Obtained from a Frequency-Multiplexed Phase-Modulation Fluorometer Using an Autoregressive Model. <i>Applied Spectroscopy</i> , 2007, 61, 950-955.	2.2	8
20	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
21	Construction of a Fourier-transform phase-modulation fluorometer. <i>Measurement Science and Technology</i> , 2005, 16, 2351-2356.	2.6	11
22	Phase-Modulation Fluorometer Using a Dynode-Voltage Burst-Modulated Photomultiplier Tube. <i>Applied Spectroscopy</i> , 2005, 59, 1049-1053.	2.2	7
23	Pseudo-Lock-in Light Detection Method for a Sinusoidally-Gain-Modulated Photomultiplier Tube. <i>Optical Review</i> , 2004, 11, 19-23.	2.0	7
24	Proposal for Fourier-Transform Phase-Modulation Fluorometer. <i>Optical Review</i> , 2003, 10, 31-37.	2.0	16
25	Simple Photomultiplier Tube Internal-Gating Method for Use in Subnanosecond Time-Resolved Spectroscopy. <i>Applied Spectroscopy</i> , 2003, 57, 1145-1150.	2.2	14
26	Combination of a Gated Photomultiplier Tube and a Phase Sensitive Detector for Use in an Intensive Pulsed Background Light Situation. <i>Optical Review</i> , 2002, 9, 18-24.	2.0	10
27	Elimination of the Uninformative Calibration Sample Subset in the Modified LIVE (Uninformative) Tj ETQq1 1 0.784314 rgBT /Overlock 1.6 40	1.6	40
28	Photon-Counting Phase-Modulation Fluorometer. <i>Optical Review</i> , 2001, 8, 326-330.	2.0	16
29	Phase-Modulation Fluorometer Using an Ultraviolet Light-Emitting Diode. <i>Optical Review</i> , 2000, 7, 495-498.	2.0	22
30	Time-resolved high-performance liquid chromatography fluorescence detector using a nanosecond pulsed light source for detecting lanthanide-chelated compounds. <i>Journal of Chromatography A</i> , 1999, 859, 13-21.	3.7	11
31	Construction of Time-Resolved Fluorescence Detector for Amino Compounds after High-Performance Liquid Chromatography Using Europium Chelate. <i>Analytical Chemistry</i> , 1997, 69, 1861-1865.	6.5	19
32	A Nanosecond Photon-Counting Fluorimetric System Using a Modified Multichannel Vernier Chronotron. <i>Applied Spectroscopy</i> , 1985, 39, 101-109.	2.2	21