

Toru Yamada

List of Publications by Year in descending order

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35
papers

506
citations

840776

11
h-index

677142

22
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38
all docs

38
docs citations

38
times ranked

438
citing authors

#	ARTICLE	IF	CITATIONS
1	Separation of fNIRS Signals into Functional and Systemic Components Based on Differences in Hemodynamic Modalities. PLoS ONE, 2012, 7, e50271.	2.5	146
2	Multidistance probe arrangement to eliminate artifacts in functional near-infrared spectroscopy. Journal of Biomedical Optics, 2009, 14, 064034.	2.6	106
3	Monte Carlo study of global interference cancellation by multidistance measurement of near-infrared spectroscopy. Journal of Biomedical Optics, 2009, 14, 064025.	2.6	42
4	Removal of motion artifacts originating from optode fluctuations during functional near-infrared spectroscopy measurements. Biomedical Optics Express, 2015, 6, 4632.	2.9	16
5	Natural circular dichroism of amino acid films observed in soft X-ray and VUV region using polarizing undulator. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 271-273.	1.7	14
6	Detection of an unstable and/or a weak probe contact in a multichannel functional near-infrared spectroscopy measurement. Journal of Biomedical Optics, 2013, 18, 047003.	2.6	13
7	Functional near-infrared-spectroscopy-based measurement of changes in cortical activity in macaques during post-infarct recovery of manual dexterity. Scientific Reports, 2020, 10, 6458.	3.3	13
8	Simultaneous Measurement of Spectroscopic and Physiological Signals from a Planar Bilayer System: Detecting Voltage-Dependent Movement of a Membrane-Incorporated Peptide. Biochemistry, 1998, 37, 15376-15382.	2.5	12
9	Development of vacuum-ultraviolet circular dichroism measurement system using a polarizing undulator. Chirality, 2006, 18, 196-204.	2.6	12
10	New method of estimating wavelength-dependent optical path length ratios for oxy- and deoxyhemoglobin measurement using near-infrared spectroscopy. Journal of Biomedical Optics, 2009, 14, 054038.	2.6	12
11	Microscopic Imaging of Circular Dichroism Using a Polarizing Undulator. Japanese Journal of Applied Physics, 2000, 39, 310-315.	1.5	11
12	Fragmentation and dimerization of aliphatic amino acid films induced by vacuum ultraviolet irradiation. Radiation Physics and Chemistry, 2008, 77, 1164-1168.	2.8	11
13	New cross-talk measure of near-infrared spectroscopy and its application to wavelength combination optimization. Journal of Biomedical Optics, 2009, 14, 034017.	2.6	11
14	UV detector calibration based on ESR using undulator radiation. Journal of Electron Spectroscopy and Related Phenomena, 1996, 80, 397-400.	1.7	10
15	Design and implementation of VUV-CD and LD measurements using an ac modulated polarizing undulator. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 1015-1018.	1.7	10
16	Vacuum ultraviolet circular dichroism spectroscopy using an ac-modulated polarizing undulator. Review of Scientific Instruments, 2005, 76, 093103.	1.3	10
17	Polarization characteristics of polarizing undulator radiation installed in the electron storage ring NII-II. Journal of Electron Spectroscopy and Related Phenomena, 1996, 80, 425-428.	1.7	8
18	A vacuum ultraviolet polarimeter with quadruple-reflectors: Polarization measurements at the TERAS BL-5 beamline. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 553, 620-626.	1.6	8

#	ARTICLE	IF	CITATIONS
19	Functional near-infrared spectroscopy for monitoring macaque cerebral motor activity during voluntary movements without head fixation. Scientific Reports, 2018, 8, 11941.	3.3	6
20	Development of a circularly polarizing microscope with a polarizing undulator. Review of Scientific Instruments, 1995, 66, 1493-1495.	1.3	5
21	A multidistance probe arrangement NIRS for detecting absorption changes in cerebral gray matter layer. , 2010, , .		5
22	Segregation of Modified Bacteriorhodopsin Aggregations in Reconstituted Vesicle Membrane Induced by the Change of Thermodynamical Parameters.. Cell Structure and Function, 1991, 16, 167-173.	1.1	5
23	Mechanics of the chloroplast rotation in Mougeotia: Measurement of angular velocity by laser diffractometry. Cytoskeleton, 1992, 23, 102-110.	4.4	3
24	Development of a fiber-less fNIRS system and its application to hair-covered head. Proceedings of SPIE, 2014, , .	0.8	3
25	Exploration of cerebral activation using hemodynamic modality separation method in high-density multichannel fNIRS. , 2013, 2013, 1791-4.		2
26	Precise spatial co-registration in simultaneous fNIRS and fMRI measurements using markers coaxially fixable to the optodes. , 2014, , .		2
27	Functional near infrared spectroscopy for awake monkey to accelerate neurorehabilitation study. , 2017, , .		2
28	OUP accepted manuscript. Cerebral Cortex Communications, 2022, 3, tgab064.	1.6	2
29	Measurement of circular dichroism spectra with a polarizing undulator. Journal of Electron Spectroscopy and Related Phenomena, 1996, 80, 501-504.	1.7	1
30	Multidistance probe arrangement to eliminate motion artifacts in fNIRS. , 2009, , .		1
31	Real-time system for extracting and monitoring the cerebral functional component during fNIRS measurements. , 2015, , .		1
32	Method for leveling the signal-to-noise ratio in multichannel functional near-infrared spectroscopy. , 2017, , .		1
33	Exclusive detection of cerebral hemodynamics in functional near-infrared spectroscopy by reflectance modulation of the scalp surface. Journal of Biomedical Optics, 2020, 25, 1.	2.6	1
34	1P220 A novel model of neurovascular hemodynamics to elucidate cerebral functional signals (II) : Oxygen transport model (Chemoreception, neuron and sensory system, neural network, and brain) Tj ETQq0 0 0 rgBT1/Overlook 10 Tf 50		0
35	Design and fabrication of a multi-layered solid dynamic phantom: validation platform on methods for reducing scalp-hemodynamic effect from fNIRS signal. Proceedings of SPIE, 2017, , .	0.8	0