Toru Yamada

List of Publications by Year
in descending order

35	506	840776 11	677142 22
papers	citations	h-index	g-index

38	38	38	438
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	OUP accepted manuscript. Cerebral Cortex Communications, 2022, 3, tgab064.	1.6	2
2	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
3	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
4	Functional near-infrared spectroscopy for monitoring macaque cerebral motor activity during voluntary movements without head fixation. Scientific Reports, 2018, 8, 11941.	3.3	6
5	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
6	Method for leveling the signal-to-noise ratio in multichannel functional near-infrared spectroscopy. , 2017, , .		1
7	Functional near infrared spectroscopy for awake monkey to accelerate neurorehabilitation study. , 2017, , .		2
8	Removal of motion artifacts originating from optode fluctuations during functional near-infrared spectroscopy measurements. Biomedical Optics Express, 2015, 6, 4632.	2.9	16
9	Real-time system for extracting and monitoring the cerebral functional component during fNIRS measurements. , 2015, , .		1
10	Development of a fiber-less fNIRS system and its application to hair-covered head. Proceedings of SPIE, 2014, , .	0.8	3
11	Precise spatial co-registration in simultaneous fNIRS and fMRI measurements using markers coaxially fixable to the optodes. , 2014, , .		2
12	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
13	Exploration of cerebral activation using hemodynamic modality separation method in high-density multichannel fNIRS. , 2013, 2013, 1791-4.		2
14	Separation of fNIRS Signals into Functional and Systemic Components Based on Differences in Hemodynamic Modalities. PLoS ONE, 2012, 7, e50271.	2.5	146
15	A multidistance probe arrangement NIRS for detecting absorption changes in cerebral gray matter layer. , 2010, , .		5
16	Multidistance probe arrangement to eliminate artifacts in functional near-infrared spectroscopy. Journal of Biomedical Optics, 2009, 14, 064034.	2.6	106
17	Monte Carlo study of global interference cancellation by multidistance measurement of near-infrared spectroscopy. Journal of Biomedical Optics, 2009, 14, 064025.	2.6	42
18	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

#	Article	IF	Citations
19	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
20	Multidistance probe arrangement to eliminate motion artifacts in fNIRS. , 2009, , .		1
21	Fragmentation and dimerization of aliphatic amino acid films induced by vacuum ultraviolet irradiation. Radiation Physics and Chemistry, 2008, 77, 1164-1168.	2.8	11
22	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 rgBT /Overlock 10 Tf 50		
23	Development of vacuum-ultraviolet circular dichroism measurement system using a polarizing undulator. Chirality, 2006, 18, 196-204.	2.6	12
24	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
25	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
26	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
27	Vacuum ultraviolet circular dichroism spectroscopy using an ac-modulated polarizing undulator. Review of Scientific Instruments, 2005, 76, 093103.	1.3	10
28	Microscopic Imaging of Circular Dichroism Using a Polarizing Undulator. Japanese Journal of Applied Physics, 2000, 39, 310-315.	1.5	11
29	Simultaneous Measurement of Spectroscopic and Physiological Signals from a Planar Bilayer System:â€‰ Detecting Voltage-Dependent Movement of a Membrane-Incorporated Peptide. Biochemistry, 1998, 37, 15376-15382.	2.5	12
30	UV detector calibration based on ESR using undulator radiation. Journal of Electron Spectroscopy and Related Phenomena, 1996, 80, 397-400.	1.7	10
31	Polarization characteristics of polarizing undulator radiation installed in the electron storage ring NIJI-II. Journal of Electron Spectroscopy and Related Phenomena, 1996, 80, 425-428.	1.7	8
32	Measurement of circular dichroism spectra with a polarizing undulator. Journal of Electron Spectroscopy and Related Phenomena, 1996, 80, 501-504.	1.7	1
33	Development of a circularly polarizing microscope with a polarizing undulator. Review of Scientific Instruments, 1995, 66, 1493-1495.	1.3	5
34	Mechanics of the chloroplast rotation inMougeotia: Measurement of angular velocity by laser diffractometry. Cytoskeleton, 1992, 23, 102-110.	4.4	3
35	Segregation of Modified Bacteriorhodopsin Aggregations in Reconstituted Vesicle Mambrane Induced by the Change of Thermodynamical Parameters.. Cell Structure and Function, 1991, 16, 167-173.	1.1	5