

Ying Tsui

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

1,540
citations

411340

20
h-index

340414

39
g-index

65
all docs

65
docs citations

65
times ranked

2521
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast multi-cycle terahertz measurements of the electrical conductivity in strongly excited solids. <i>Nature Communications</i> , 2021, 12, 1638.	5.8	20
2	Skin Lesion Segmentation Using Deep Learning with Auxiliary Task. <i>Journal of Imaging</i> , 2021, 7, 67.	1.7	50
3	A real-time light scattering technique for tailings solids measurement. <i>Journal of Environmental Quality</i> , 2021, 50, 580-588.	1.0	3
4	Integration of light scattering with machine learning for label free cell detection. <i>Biomedical Optics Express</i> , 2021, 12, 3512.	1.5	12
5	X-ray radiation monitor for measuring solids content in fluid fine tailings. <i>Journal of Environmental Quality</i> , 2021, 50, 945-954.	1.0	2
6	Using High- <i>k</i> VPP Modes in Grating-Coupled Graphene-Based Hyperbolic Metamaterial for Tunable Sensor Design. <i>IEEE Sensors Journal</i> , 2021, 21, 17790-17799.	2.4	3
7	Electron Kinetics Induced by Ultrafast Photoexcitation of Warm Dense Matter in a 30-nm-Thick Foil. <i>Physical Review Letters</i> , 2021, 127, 097403.	2.9	7
8	Salmonella inactivation and rapid cooling of fresh cut apples by plasma integrated low-pressure cooling. <i>Food Research International</i> , 2021, 147, 110464.	2.9	7
9	A High Efficiency AC/DC NVC-PSSHI Electrical Interface for Vibration-Based Energy Harvesters. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2020, 67, 346-355.	3.5	9
10	Optimization of radiochromic film stacks to diagnose high-flux laser-accelerated proton beams. <i>Review of Scientific Instruments</i> , 2020, 91, 093303.	0.6	8
11	Effect of in-package atmospheric cold plasma discharge on microbial safety and quality of ready-to-eat ham in modified atmospheric packaging during storage. <i>Journal of Food Science</i> , 2020, 85, 1203-1212.	1.5	42
12	Cold plasma treatment of ready-to-eat ham: Influence of process conditions and storage on inactivation of <i>Listeria innocua</i> . <i>Food Research International</i> , 2019, 123, 276-285.	2.9	48
13	ZnO Schottky Nanodiodes Processed From Plasma-Enhanced Atomic Layer Deposition at Near Room Temperature. <i>IEEE Transactions on Electron Devices</i> , 2018, 65, 4513-4519.	1.6	3
14	Heterogeneous to homogeneous melting transition visualized with ultrafast electron diffraction. <i>Science</i> , 2018, 360, 1451-1455.	6.0	133
15	Interatomic Potential in the Nonequilibrium Warm Dense Matter Regime. <i>Physical Review Letters</i> , 2018, 121, 075002.	2.9	21
16	Postfabrication Phase Error Correction of Silicon Photonic Circuits by Single Femtosecond Laser Pulses. <i>Journal of Lightwave Technology</i> , 2017, 35, 588-595.	2.7	9
17	Configuration of Waves in Two-Plasmon Decay Instability Under Weak Landau Damping of Plasma Waves. , 2017, , .		0
18	Quasi-3D Modeling and Efficient Simulation of Laminar Flows in Microfluidic Devices. <i>Sensors</i> , 2016, 16, 1639.	2.1	3

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19	Matter under extreme conditions experiments at the Linac Coherent Light Source. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 092001.	0.6	107
20	A single-shot spatial chirp method for measuring initial AC conductivity evolution of femtosecond laser pulse excited warm dense matter. Review of Scientific Instruments, 2016, 87, 11E548.	0.6	1
21	Performance of Nanocrystal ZnO thin film Schottky Contacts on Cu by Atomic Layer Deposition. IEEE Nanotechnology Magazine, 2016, , 1-1.	1.1	6
22	Optimization of Copper Schottky Contacts on Nanocrystalline ZnO thin films by Atomic Layer Deposition. MRS Advances, 2016, 1, 3421-3427.	0.5	0
23	dc conductivity of two-temperature warm dense gold. Physical Review E, 2016, 94, 033213.	0.8	20
24	Plasma enhanced atomic layer deposition and laser plasma deposition of ultra-thin ZnO films for Schottky barrier devices. , 2016, , .		0
25	Applications of laser plasma deposition. , 2016, , .		0
26	Interfacial Contact Effects in Top Gated Zinc Oxide Thin Film Transistors Grown by Atomic Layer Deposition. IEEE Transactions on Electron Devices, 2016, 63, 3540-3546.	1.6	11
27	Imaging ultrafast dynamics on the nanoscale with THz-STM. , 2015, , .		0
28	Investigating the vibration-based energy harvester characteristics to obtain maximum efficiency for an electrical interface. , 2015, , .		1
29	Permanent Phase Correction in a Polarization Diversity Si PIC by Femtosecond Laser Pulses. IEEE Photonics Technology Letters, 2015, 27, 1880-1883.	1.3	5
30	High-mobility solution-processed zinc oxide thin films on silicon nitride. Physica Status Solidi - Rapid Research Letters, 2014, 8, 871-875.	1.2	7
31	Electrical Characteristics of TiW/ZnO Schottky contact with ALD and PLD. Materials Research Society Symposia Proceedings, 2014, 1635, 127-132.	0.1	5
32	<i>Ab initio</i> model of optical properties of two-temperature warm dense matter. Physical Review B, 2014, 90, .	1.1	59
33	Effect of Low-Intensity Pulsed Ultrasound on Orthodontically Induced Root Resorption in Beagle Dogs. Ultrasound in Medicine and Biology, 2014, 40, 1187-1196.	0.7	44
34	An ultrafast terahertz scanning tunnelling microscope. Nature Photonics, 2013, 7, 620-625.	15.6	380
35	Optimization of pulsed laser deposited ZnO thin-film growth parameters for thin-film transistors (TFT) application. Applied Physics A: Materials Science and Processing, 2013, 110, 793-798.	1.1	17
36	Pulsed laser deposition of uniform semiconductor nanodot arrays. Applied Physics A: Materials Science and Processing, 2013, 110, 817-821.	1.1	4

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37	Nanoscale laser-induced forward transfer through patterned Cr films. Applied Physics A: Materials Science and Processing, 2013, 110, 823-827.	1.1	8
38	Fabrication and characterization of freestanding ultrathin diamond-like carbon targets for high-intensity laser applications. Applied Physics B: Lasers and Optics, 2013, 113, 429-436.	1.1	6
39	Permanent tuning of high-Q silicon microring resonators by Fs laser surface modification. , 2013, , .		1
40	Effect of annealing atmosphere on microstructural and photoluminescence characteristics of multiferroic BiFeO ₃ thin films prepared by pulsed laser deposition technique. Applied Physics A: Materials Science and Processing, 2013, 110, 903-907.	1.1	45
41	Schottky barrier source-gated ZnO thin film transistors by low temperature atomic layer deposition. Applied Physics Letters, 2013, 103, .	1.5	14
42	Laser wakefield generated X-ray probe for femtosecond time-resolved measurements of ionization states of warm dense aluminum. Review of Scientific Instruments, 2013, 84, 123106.	0.6	24
43	Imaging ultrafast nanoscale dynamics with a THz-pulse-coupled STM. , 2013, , .		0
44	Flux-Limited Nonequilibrium Electron Energy Transport in Warm Dense Gold. Physical Review Letters, 2012, 108, 165001.	2.9	31
45	Microscope-based label-free microfluidic cytometry. Optics Express, 2011, 19, 387.	1.7	52
46	Rapid and cheap prototyping of a microfluidic cell sorter. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2011, 79A, 361-367.	1.1	7
47	Single-shot divergence measurements of a laser-generated relativistic electron beam. Physics of Plasmas, 2010, 17, .	0.7	11
48	Comparison of K α x-ray source from different metal targets using Sub-mJ kilohertz femto-second laser pulses. , 2009, , .		0
49	Laser-accelerated proton conversion efficiency thickness scaling. Physics of Plasmas, 2009, 16, 123108.	0.7	15
50	Absolute characterization of photoluminescence from pulsed laser deposited, sol-gel, sputtered and evaporated ZnO thin films. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, S131.	0.8	1
51	Experimental and theoretical study of absorption of femtosecond laser pulses in interaction with solid copper targets. Physical Review B, 2009, 79, .	1.1	61
52	Energy Injection for Fast Ignition. Plasma and Fusion Research, 2009, 4, 016-016.	0.3	1
53	System-on-chip ultrasonic transducer for dental tissue formation and stem cell growth and differentiation. , 2008, , .		1
54	A continuous kilohertz Cu α source produced by submillijoule femtosecond laser pulses for phase contrast imaging. Applied Physics Letters, 2008, 93, .	1.5	21

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55	Fast electron generation in cones with ultraintense laser pulses. <i>Physics of Plasmas</i> , 2008, 15, 056304.	0.7	47
56	Net Positive Normal Force on a Metal Surface from a Grazing Incident p-Polarized Laser Pulse. , 2007, , .		0
57	Wakefield acceleration of quasi-monoenergetic 200 MeV electrons in nitrogen and helium gas targets. , 2007, , .		0
58	Wakefield Acceleration of Quasi-Monoenergetic 200 MeV Electrons in Nitrogen and Helium Gas Targets. , 2007, , .		0
59	Space charge effects in Faraday cup ion detectors. <i>IEEE Transactions on Plasma Science</i> , 2006, 34, 455-459.	0.6	12
60	Optical properties of porous nanostructured Y2O3:Eu thin films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2005, 23, 856-861.	0.9	25
61	Effect of ambient air pressure on debris redeposition during laser ablation of glass. <i>Journal of Applied Physics</i> , 2005, 98, 113520.	1.1	31
62	Liquid Phase Deposition of Poly(ethylene terephthalate) Films. <i>Materials Research Society Symposia Proceedings</i> , 2004, 820, 152.	0.1	0
63	Pressure dependence of emission intensity in femtosecond laser-induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 1295-1301.	1.6	60
64	Debris reduction for copper and diamond-like carbon thin films produced by magnetically guided pulsed laser deposition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2002, 20, 744-747.	0.9	16