

# Liang-Yu Chen

## List of Publications by Year in descending order

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36  
papers

971  
citations

516710  
16  
h-index

434195  
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36  
all docs

36  
docs citations

36  
times ranked

1413  
citing authors

#	ARTICLE	IF	CITATIONS
1	Subtle Application of Electrical Field-Induced Lossy Mode Resonance to Enhance Performance of Optical Planar Waveguide Biosensor. <i>Biosensors</i> , 2021, 11, 86.	4.7	11
2	Using Sensory Wheels to Characterize Consumers's Perception for Authentication of Taiwan Specialty Teas. <i>Foods</i> , 2021, 10, 836.	4.3	9
3	Development of a Temperature-Controlled Optical Planar Waveguide Sensor with Lossy Mode Resonance for Refractive Index Measurement. <i>Photonics</i> , 2021, 8, 199.	2.0	1
4	Using gas chromatography and mass spectrometry to determine 25-hydroxyvitamin D levels for clinical assessment of vitamin D deficiency. <i>Journal of Food and Drug Analysis</i> , 2019, 27, 494-501.	1.9	13
5	Using Intelligent Clustering to Implement Geometric Computation for Electoral Districting. <i>ISPRS International Journal of Geo-Information</i> , 2019, 8, 369.	2.9	0
6	Lossy Mode Resonance-Based Glucose Sensor with High- $\epsilon$ Dielectric Film. <i>Crystals</i> , 2019, 9, 450.	2.2	8
7	Blue light irradiation triggers the antimicrobial potential of ZnO nanoparticles on drug-resistant <i>Acinetobacter baumannii</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 180, 235-242.	3.8	23
8	Using chromatography and mass spectrometry to monitor isomerization of catechin in alkaline aqueous with thermal processing. <i>Journal of Food Processing and Preservation</i> , 2018, 42, e13365.	2.0	18
9	Advanced Classification of Coffee Beans with Fatty Acids Profiling to Block Information Loss. <i>Symmetry</i> , 2018, 10, 529.	2.2	6
10	Low-dose blue light irradiation enhances the antimicrobial activities of curcumin against <i>Propionibacterium acnes</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 189, 21-28.	3.8	33
11	Insulin signaling in female <i>Drosophila</i> links diet and sexual attractiveness. <i>FASEB Journal</i> , 2018, 32, 3870-3877.	0.5	7
12	Insulin signaling in female <i>Drosophila</i> links diet and sexual attractiveness. <i>FASEB Journal</i> , 2018, 32, 3870-3877.	0.5	14
13	Blue light induced reactive oxygen species from flavin mononucleotide and flavin adenine dinucleotide on lethality of HeLa cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 173, 325-332.	3.8	50
14	Investigation of A Potted Plant ( <i>Hedera helix</i> ) with Photo-Regulation to Remove Volatile Formaldehyde for Improving Indoor Air Quality. <i>Aerosol and Air Quality Research</i> , 2017, 17, 2543-2554.	2.1	24
15	Photo-catalytic polymerization of catechin molecules in alkaline aqueous. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 165, 115-120.	3.8	26
16	Correlation Analysis, Transportation Mode of Atmospheric Mercury and Criteria Air Pollutants, with Meteorological Parameters at Two Remote Sites of Mountain and Offshore Island in Asia. <i>Aerosol and Air Quality Research</i> , 2016, 16, 2692-2705.	2.1	12
17	Investigations of riboflavin photolysis via coloured light in the nitro blue tetrazolium assay for superoxide dismutase activity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 148, 262-267.	3.8	47
18	Investigations of blue light-induced reactive oxygen species from flavin mononucleotide on inactivation of <i>E. coli</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 143, 82-88.	3.8	44

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19	Effect of esterification condensation on the Folin-Ciocalteu method for the quantitative measurement of total phenols. <i>Food Chemistry</i> , 2015, 170, 10-15.	8.2	128
20	The anti-aging effects of <i>Ludwigia octovalvis</i> on <i>Drosophila melanogaster</i> and SAMP8 mice. <i>Age</i> , 2014, 36, 689-703.	3.0	38
21	Protein immobilization onto IPA interface with optical fiber sensor based on surface plasmon resonance. <i>Microwave and Optical Technology Letters</i> , 2014, 56, 2826-2828.	1.4	1
22	Blue light induced free radicals from riboflavin on <i>E. coli</i> DNA damage. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 119, 60-64.	3.8	63
23	The Degradation Mechanism of Toxic Atractyloside in Herbal Medicines by Decoction. <i>Molecules</i> , 2013, 18, 2018-2028.	3.8	12
24	Effect of colour LEDs on mycelia growth of <i>Aspergillus ficuum</i> and phytase production in photo-fermentations. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012, 106, 81-86.	3.8	14
25	Monitoring conformational changes of immobilized RNase A and Lysozyme in reductive unfolding by surface plasmon resonance. <i>Analytica Chimica Acta</i> , 2009, 631, 96-101.	5.4	12
26	Effect of size, location, and contrast of tumors to diagnosis limitation of NIR DOI system. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0
27	Examining the levels of ganglioside and cholesterol in cell membrane on attenuation the cytotoxicity of beta-amyloid peptide. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 65, 172-177.	5.0	38
28	Determination of <i>Schistosoma japonicum</i> circulating antigens in dilution serum by piezoelectric immunosensor and S/N enhancement. <i>Biosensors and Bioelectronics</i> , 2008, 24, 136-140.	10.1	10
29	The investigation of recognition interaction between phenylboronate monolayer and glycosylated hemoglobin using surface plasmon resonance. <i>Analytical Biochemistry</i> , 2008, 375, 90-96.	2.4	63
30	Investigation of the Mechanism of $\beta$ -Amyloid Fibril Formation by Kinetic and Thermodynamic Analyses. <i>Langmuir</i> , 2008, 24, 5802-5808.	3.5	48
31	Exploring the effect of cholesterol in lipid bilayer membrane on the melittin penetration mechanism. <i>Analytical Biochemistry</i> , 2007, 367, 49-55.	2.4	24
32	Kinetics and morphology analysis for fabrication a mimetic bio-membrane on Brij-76 derived surface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 296, 86-91.	4.7	3
33	Thermodynamics and mechanism of ssDNA hybridization below the melting temperature by isothermal titration calorimetry. <i>Thermochimica Acta</i> , 2005, 433, 83-87.	2.7	3
34	The effects of denaturants on protein conformation and behavior at air/solution interface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2005, 41, 1-6.	5.0	13
35	Effects of solute-matrix interaction on monitoring the conformational changes of immobilized proteins by surface plasmon resonance sensor. <i>Talanta</i> , 2005, 67, 862-867.	5.5	8
36	Cross-shelf and along-shelf nutrient fluxes derived from flow fields and chemical hydrography observed in the southern East China Sea off northern Taiwan. <i>Continental Shelf Research</i> , 2000, 20, 493-523.	1.8	147