

# Yao-Chang Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

901  
citations

516710

16  
h-index

454955

30  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1663  
citing authors

#	ARTICLE	IF	CITATIONS
1	Distribution and quantity of microplastic on sandy beaches along the northern coast of Taiwan. <i>Marine Pollution Bulletin</i> , 2016, 111, 126-135.	5.0	127
2	Enhanced x-ray irradiation-induced cancer cell damage by gold nanoparticles treated by a new synthesis method of polyethylene glycol modification. <i>Nanotechnology</i> , 2008, 19, 295104.	2.6	96
3	Silicon nitride as a versatile growth substrate for microspectroscopic imaging and mapping of individual cells. <i>Molecular BioSystems</i> , 2010, 6, 1316.	2.9	72
4	Implications of organic matter on arsenic mobilization into groundwater: Evidence from northwestern (Chapai-Nawabganj), central (Manikganj) and southeastern (Chandpur) Bangladesh. <i>Water Research</i> , 2010, 44, 5556-5574.	11.3	71
5	Kinetically Controlled Autocatalytic Chemical Process for Bulk Production of Bimetallic Core-Shell Structured Nanoparticles. <i>ACS Nano</i> , 2011, 5, 9370-9381.	14.6	67
6	Kinetics and mechanism of arsenate removal by nanosized iron oxide-coated perlite. <i>Journal of Hazardous Materials</i> , 2011, 187, 89-95.	12.4	57
7	Mesostructured Arrays of Nanometer-spaced Gold Nanoparticles for Ultrahigh Number Density of SERS Hot Spots. <i>Advanced Functional Materials</i> , 2014, 24, 2544-2552.	14.9	50
8	Two-dimensional distribution and abundance of micro- and mesoplastic pollution in the surface sediment of Xialiao Beach, New Taipei City, Taiwan. <i>Marine Pollution Bulletin</i> , 2019, 140, 75-85.	5.0	50
9	A comparative study on arsenic and humic substances in alluvial aquifers of Bengal delta plain (NW) Tj ETQq1 1 0.784314 rgBT /Over mobilization mechanisms. <i>Environmental Geochemistry and Health</i> , 2011, 33, 235-258.	3.4	29
10	An in Vitro Study on the Effect of Combined Treatment with Photodynamic and Chemical Therapies on <i>Candida albicans</i> . <i>International Journal of Molecular Sciences</i> , 2018, 19, 337.	4.1	29
11	Enhanced photocatalysis, colloidal stability and cytotoxicity of synchrotron X-ray synthesized Au/TiO <sub>2</sub> nanoparticles. <i>Materials Chemistry and Physics</i> , 2009, 117, 74-79.	4.0	27
12	Resilient Yolka-Shell Silicon-Reduced Graphene Oxide/Amorphous Carbon Anode Material from a Synergistic Dual-Coating Process for Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2016, 3, 1446-1454.	3.4	25
13	Assessment of metabolic modulation in free-living versus endosymbiotic <i>Symbiodinium</i> using synchrotron radiation-based infrared microspectroscopy. <i>Biology Letters</i> , 2012, 8, 434-437.	2.3	23
14	Systematic changes of bone hydroxyapatite along a charring temperature gradient: An integrative study with dissolution behavior. <i>Science of the Total Environment</i> , 2021, 766, 142601.	8.0	21
15	Micro-colonization of arsenic-resistant <i>Staphylococcus</i> sp. As-3 on arsenopyrite (FeAsS) drives arsenic mobilization under anoxic sub-surface mimicking conditions. <i>Science of the Total Environment</i> , 2019, 669, 527-539.	8.0	20
16	Oral cancer diagnostics based on infrared spectral markers and wax physisorption kinetics. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 1995-2007.	3.7	19
17	Combined Experimental and Theoretical Investigation of Nanosized Effects of Pt Catalyst on Their Underlying Methanol Electro-Oxidation Activity. <i>Journal of Physical Chemistry C</i> , 2009, 113, 9197-9205.	3.1	16
18	Linking geochemical processes in mud volcanoes with arsenic mobilization driven by organic matter. <i>Journal of Hazardous Materials</i> , 2013, 262, 980-988.	12.4	16

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19	Microplastic Contamination of Three Commonly Consumed Seafood Species from Taiwan: A Pilot Study. <i>Sustainability</i> , 2020, 12, 9543.	3.2	14
20	The binding nature of humic substances with arsenic in alluvial aquifers of Chianan Plain, southwestern Taiwan. <i>Journal of Geochemical Exploration</i> , 2012, 114, 98-108.	3.2	12
21	FT-IR Microspectrometry Reveals the Variation of Membrane Polarizability due to Epigenomic Effect on Epithelial Ovarian Cancer. <i>International Journal of Molecular Sciences</i> , 2014, 15, 17963-17973.	4.1	10
22	Synchrotron-Based Microspectroscopic Study on the Effects of Heat Treatments on Cotyledon Tissues in Yellow-Type Canola ( <i>Brassica</i> ) Seeds. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 7234-7241.	5.2	7
23	Arsenite Regulates Prolongation of Glycan Residues of Membrane Glycoprotein: A Pivotal Study via Wax Physisorption Kinetics and FTIR Imaging. <i>International Journal of Molecular Sciences</i> , 2016, 17, 427.	4.1	6
24	Black carbon enriches short-range-order ferrihydrite in Amazonian Dark Earth: Interplay mechanism and environmental implications. <i>Science of the Total Environment</i> , 2020, 725, 138195.	8.0	6
25	Topical Melatonin Niosome Gel for the Treatment of 5-FU-Induced Oral Mucositis in Mice. <i>Current Drug Delivery</i> , 2021, 18, 199-211.	1.6	6
26	Faults caused by the fault: Microstructural and mineral characterization of deformation in Chungliao Tunnel, Taiwan, caused by Chishan Fault. <i>Engineering Geology</i> , 2021, 292, 106245.	6.3	6
27	Sustainable phosphorus management in soil using bone apatite. <i>Journal of Environmental Management</i> , 2022, 305, 114344.	7.8	6
28	Analysis and comparison of protein secondary structures in the rachis of avian flight feathers. <i>PeerJ</i> , 2022, 10, e12919.	2.0	5
29	Oral Administration of Melatonin or Succinyl Melatonin Niosome Gel Benefits 5-FU-Induced Small Intestinal Mucositis Treatment in Mice. <i>AAPS PharmSciTech</i> , 2021, 22, 200.	3.3	4
30	Eucalyptus ash alters secondary protein conformation of human grey hair and facilitates anthocyanin dyeing. <i>PLoS ONE</i> , 2018, 13, e0199696.	2.5	3
31	Graphene Oxide-Induced Protein Conformational Change in Nasopharyngeal Carcinoma Cells: A Joint Research on Cytotoxicity and Photon Therapy. <i>Materials</i> , 2021, 14, 1396.	2.9	0