

# Huan-Cheng Chang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3594296/publications.pdf>

Version: 2024-02-01

50  
papers

1,704  
citations

567144

15  
h-index

276775

41  
g-index

55  
all docs

55  
docs citations

55  
times ranked

2209  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mass production and dynamic imaging of fluorescent nanodiamonds. <i>Nature Nanotechnology</i> , 2008, 3, 284-288.	15.6	720
2	The biocompatibility of fluorescent nanodiamonds and their mechanism of cellular uptake. <i>Nanotechnology</i> , 2009, 20, 425103.	1.3	160
3	The Exocytosis of Fluorescent Nanodiamond and Its Use as a Long-Term Cell Tracker. <i>Small</i> , 2011, 7, 3363-3370.	5.2	129
4	Sub-20-nm Fluorescent Nanodiamonds as Photostable Biolabels and Fluorescence Resonance Energy Transfer Donors. <i>Advanced Materials</i> , 2010, 22, 843-847.	11.1	122
5	Recent Advances in Novel Lateral Flow Technologies for Detection of COVID-19. <i>Biosensors</i> , 2021, 11, 295.	2.3	66
6	Migration of an Excess Proton upon Asymmetric Hydration: $H^+[(CH_3)_2O](H_2O)_n$ as a Model System. <i>Journal of the American Chemical Society</i> , 1999, 121, 4443-4450.	6.6	49
7	Intracellular Trafficking of Fluorescent Nanodiamonds and Regulation of Their Cellular Toxicity. <i>ACS Omega</i> , 2017, 2, 2689-2693.	1.6	47
8	Diamond Nanothermometry. <i>ChemNanoMat</i> , 2018, 4, 15-27.	1.5	45
9	STED-TEM Correlative Microscopy Leveraging Nanodiamonds as Intracellular Dual-Contrast Markers. <i>Small</i> , 2018, 14, 1701807.	5.2	32
10	Correlative Light-Electron Microscopy of Lipid-Encapsulated Fluorescent Nanodiamonds for Nanometric Localization of Cell Surface Antigens. <i>Analytical Chemistry</i> , 2018, 90, 1566-1571.	3.2	32
11	Storytelling in Medical Education: Narrative Medicine as a Resource for Interdisciplinary Collaboration. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1135.	1.2	32
12	Nanodiamond-enabled biomedical imaging. <i>Nanomedicine</i> , 2020, 15, 1599-1616.	1.7	28
13	Adaptive learning for ESL based on computation. <i>British Journal of Educational Technology</i> , 2011, 42, 66-87.	3.9	23
14	The optimal approach for parameter settings based on adjustable contracting capacity for the hospital supply chain logistics system. <i>Expert Systems With Applications</i> , 2011, 38, 4790-4797.	4.4	18
15	Development of a Scale to Measure the Critical Thinking Disposition of Medical Care Professionals. <i>Social Behavior and Personality</i> , 2014, 42, 303-311.	0.3	16
16	Learning Performance Enhancement Using Computer-Assisted Language Learning by Collaborative Learning Groups. <i>Symmetry</i> , 2017, 9, 141.	1.1	15
17	Using a genetic algorithm to determine optimal complementary learning clusters for ESL in Taiwan. <i>Expert Systems With Applications</i> , 2011, 38, 14832-14837.	4.4	14
18	The application of heterogeneous cluster grouping to reflective writing for medical humanities literature study to enhance students' empathy, critical thinking, and reflective writing. <i>BMC Medical Education</i> , 2016, 16, 234.	1.0	14

#	ARTICLE	IF	CITATIONS
19	Biohybrid fluorescent nanodiamonds as dual-contrast markers for light and electron microscopies. <i>Journal of the Chinese Chemical Society</i> , 2018, 65, 1136-1146.	0.8	14
20	Vibrational Predissociation Spectroscopic and Ab Initio Theoretical Studies on Protonated Ethylenediamine-(Water) <sub>3</sub> Complex. <i>Journal of Physical Chemistry A</i> , 2003, 107, 5007-5013.	1.1	13
21	Cell Volume (3D) Correlative Microscopy Facilitated by Intracellular Fluorescent Nanodiamonds as Multi-Modal Probes. <i>Nanomaterials</i> , 2021, 11, 14.	1.9	9
22	Glycemic Control Outcomes by Gender in the Pay-for-Performance System: A Retrospective Database Analysis in Patients with Type 2 Diabetes Mellitus. <i>International Journal of Endocrinology</i> , 2014, 2014, 1-11.	0.6	7
23	Hazard Prevention Regarding Occupational Accidents Involving Blue-Collar Foreign Workers: A Perspective of Taiwanese Manpower Agencies. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 706.	1.2	7
24	Development and Validation of a Chinese Version of a Professional Identity Scale for Healthcare Students and Professionals. <i>Healthcare (Switzerland)</i> , 2020, 8, 451.	1.0	7
25	Reflective Thinking Scale for Healthcare Students and Providers—Chinese version. <i>Social Behavior and Personality</i> , 2019, 47, 1-10.	0.3	6
26	The Study of the Optimal Parameter Settings in a Hospital Supply Chain System in Taiwan. <i>Scientific World Journal</i> , The, 2014, 2014, 1-7.	0.8	5
27	Far-UV-Excited Luminescence of Nitrogen-Vacancy Centers: Evidence for Diamonds in Space. <i>Angewandte Chemie</i> , 2017, 129, 14661-14665.	1.6	5
28	Quantification and Imaging of Antigens on Cell Surface with Lipid-Encapsulated Fluorescent Nanodiamonds. <i>Micromachines</i> , 2019, 10, 304.	1.4	5
29	The Relationship of Vocabulary Learning Strategies and Self-Efficacy with Medical English and Terminology. <i>Perceptual and Motor Skills</i> , 2016, 122, 47-66.	0.6	4
30	Using Complementary Learning Clusters in Studying Literature to Enhance Students' Medical Humanities Literacy, Critical Thinking, and English Proficiency. <i>Psychological Reports</i> , 2016, 118, 441-465.	0.9	3
31	Measuring Nanoscale Thermostability of Cell Membranes with Single Gold-Diamond Nanohybrids. <i>Angewandte Chemie</i> , 2017, 129, 3071-3076.	1.6	3
32	Optimal Cooperative Learning Grouping to Improve Medical University Students' English Competencies. <i>SAGE Open</i> , 2019, 9, 215824401986145.	0.8	3
33	The Application of GSCM in Eliminating Healthcare Waste: Hospital EDC as an Example. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4087.	1.2	3
34	Development and Validation of a Chinese Version of a School-to-Work Transition Anxiety Scale for Healthcare Students. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7658.	1.2	3
35	Design and implementation of a low-cost portable reader for thermometric lateral flow immunoassay. <i>Journal of the Chinese Chemical Society</i> , 2022, 69, 1356-1365.	0.8	3
36	A Recommended Integrated Mechanism to Enhance OSH Management of Blue-Collar Foreign Workers in Taiwan. <i>International Journal of Occupational Safety and Ergonomics</i> , 2014, 20, 537-549.	1.1	2

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37	The Study of an Optimal Robust Design and Adjustable Ordering Strategies in the HSCM. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-7.	0.7	2
38	Development and validation of the Empathy Scale in Patient Care: Chinese version. Social Behavior and Personality, 2017, 45, 1271-1280.	0.3	2
39	Development and Validation of the Patient's Healthcare Provider Communication Scale: Chinese Version. Social Behavior and Personality, 2019, 47, 1-10.	0.3	2
40	Prelicensure Nursing Students' COVID-19 Attitude Impact on Nursing Career Decision during Pandemic Threat in Taiwan: A Cross-Sectional Study. International Journal of Environmental Research and Public Health, 2021, 18, 3272.	1.2	2
41	Development of a Scale Measuring Emotional Catharsis through Illness Narratives. International Journal of Environmental Research and Public Health, 2021, 18, 8267.	1.2	2
42	Occupational fatality and injury risks for overseas blue-collar workers in Taiwan. Journal of the Chinese Institute of Industrial Engineers, 2011, 28, 458-466.	0.5	1
43	Examining factors associated with pre-admission to discharge of stroke patients. Research in Developmental Disabilities, 2012, 33, 1389-1394.	1.2	1
44	The Impact of the Hazard Correlation between Risk Factors and Diabetes. International Journal of Environmental Research and Public Health, 2018, 15, 2213.	1.2	1
45	Integrating the Gender Perspective into Literature Studies to Enhance Medical University Students' Gender Awareness and Critical Thinking. International Journal of Environmental Research and Public Health, 2020, 17, 9245.	1.2	1
46	Development and Validation of a Scale Measuring Humanistic Professional Awareness for Healthcare Students and Providers. Journal of Multidisciplinary Healthcare, 2021, Volume 14, 3213-3223.	1.1	1
47	Development and psychometric testing of a scale measuring caring behaviors for healthcare students and providers. Medical Education Online, 2022, 27, 2066496.	1.1	1
48	The Study of Learning Computer Programming for Students with Medical Fields of Specification: An Analysis via Structural Equation Modeling. International Journal of Environmental Research and Public Health, 2022, 19, 6005.	1.2	1
49	Using DEA's multi-choice method to reach multi-response optimization in Taguchi's problem. Journal of Information and Optimization Sciences, 2009, 30, 969-993.	0.2	0
50	Reducing Waste in Healthcare through Occupational Safety and Health Measures: A Study of Manufacturing Industries in Taiwan. Healthcare (Switzerland), 2021, 9, 1476.	1.0	0