

# Tzu-Ten Huang

## List of Publications by Year in descending order

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27  
papers

1,174  
citations

586496

16  
h-index

591227

27  
g-index

29  
all docs

29  
docs citations

29  
times ranked

3144  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of Ni(OH) <sub>2</sub> /CuO heterostructures for improved photocatalytic degradation of organic pollutants and microorganism. <i>Chemosphere</i> , 2022, 300, 134484.	4.2	12
2	High-performance supercapacitor based on a ternary nanocomposites of NiO, polyaniline, and Ni/NiO-decorated MWCNTs. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 134, 104318.	2.7	10
3	Polyimide-Derived Carbon-Coated Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> as High-Rate Anode Materials for Lithium Ion Batteries. <i>Polymers</i> , 2021, 13, 1672.	2.0	10
4	Fullerene derivative induced morphology of bulk heterojunction blends: PIPCP:PC <sub>61</sub> BM. <i>RSC Advances</i> , 2019, 9, 4106-4112.	1.7	10
5	Morphology of Organic Semiconductors Electrically Doped from Solution Using Phosphomolybdic Acid. <i>Chemistry of Materials</i> , 2019, 31, 6677-6683.	3.2	4
6	Platinum nanoparticles decorated graphene nanoribbon with eco-friendly unzipping process for electrochemical sensors. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 96, 566-574.	2.7	18
7	Donor Conjugated Polymers with Polar Side Chain Groups: The Role of Dielectric Constant and Energetic Disorder on Photovoltaic Performance. <i>Advanced Functional Materials</i> , 2018, 28, 1803418.	7.8	42
8	Stable solvent for solution-based electrical doping of semiconducting polymer films and its application to organic solar cells. <i>Energy and Environmental Science</i> , 2018, 11, 2216-2224.	15.6	32
9	Enhanced Organic Solar Cell Performance by Lateral Side Chain Engineering on Benzodithiophene-Based Small Molecules. <i>ACS Applied Energy Materials</i> , 2018, 1, 3684-3692.	2.5	12
10	Enhanced Charge Collection in MOF@PEDOT Nanotube Composites Enable Highly Sensitive Biosensing. <i>Advanced Science</i> , 2017, 4, 1700261.	5.6	95
11	Efficiency Enhancement of Hybrid Perovskite Solar Cells with MEH-PPV Hole-Transporting Layers. <i>Scientific Reports</i> , 2016, 6, 34319.	1.6	72
12	Synergistic improvements in stability and performance of lead iodide perovskite solar cells incorporating salt additives. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1591-1597.	5.2	183
13	Planar Heterojunction Perovskite Solar Cells Incorporating Metal-Organic Framework Nanocrystals. <i>Advanced Materials</i> , 2015, 27, 7229-7235.	11.1	134
14	Using an Airbrush Pen for Layer-by-Layer Growth of Continuous Perovskite Thin Films for Hybrid Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 2359-2366.	4.0	82
15	Efficiency enhancement of organic solar cells using peroxy-polytitanic acid coated silver nanowires as transparent electrodes. <i>RSC Advances</i> , 2015, 5, 18990-18996.	1.7	8
16	Quantitative Characterization and Mechanism of Formation of Multilength-scale Bulk Heterojunction Structures in Highly Efficient Solution-Processed Small-Molecule Organic Solar Cells. <i>Journal of Physical Chemistry C</i> , 2015, 119, 16507-16517.	1.5	8
17	Graphene Nanosheets/Poly(3,4-ethylenedioxythiophene) Nanotubes Composite Materials for Electrochemical Biosensing Applications. <i>Electrochimica Acta</i> , 2015, 172, 61-70.	2.6	17
18	Efficient ternary bulk heterojunction solar cells based on small molecules only. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10512-10518.	5.2	45

#	ARTICLE	IF	CITATIONS
19	Electrocatalytic SiC Nanoparticles/PEDOT:PSS Composite Thin Films as the Counter Electrodes of Dye-Sensitized Solar Cells. <i>ChemElectroChem</i> , 2014, 1, 961-961.	1.7	0
20	Study on Oxidation State Dependent Electrocatalytic Ability for $\text{I}^{\text{3+}}$ Redox Reaction of Reduced Graphene Oxides. <i>Electroanalysis</i> , 2014, 26, 147-155.	1.5	7
21	Electrocatalytic SiC Nanoparticles/PEDOT:PSS Composite Thin Films as the Counter Electrodes of Dye-Sensitized Solar Cells. <i>ChemElectroChem</i> , 2014, 1, 1031-1039.	1.7	13
22	A high performance electrochemical sensor for acetaminophen based on a rGO-PEDOT nanotube composite modified electrode. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7229-7237.	5.2	106
23	2-Alkyl-5-thienyl-Substituted Benzo[1,2- <i>b</i> :4,5- <i>b'</i> ]dithiophene-Based Donor Molecules for Solution-Processed Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 9494-9500.	4.0	70
24	rGO/SWCNT composites as novel electrode materials for electrochemical biosensing. <i>Biosensors and Bioelectronics</i> , 2013, 43, 173-179.	5.3	61
25	Wet-milled transition metal oxide nanoparticles as buffer layers for bulk heterojunction solar cells. <i>RSC Advances</i> , 2012, 2, 7487.	1.7	35
26	Vitamin B12 incorporated with multiwalled carbon nanotube composite film for the determination of hydrazine. <i>Analytical Biochemistry</i> , 2011, 408, 297-303.	1.1	32
27	Electrochemical sensing of NADH based on Meldola Blue immobilized silver nanoparticle-conducting polymer electrode. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 362, 1-7.	2.3	54