

# Shang-Wei Chou

## List of Publications by Year in descending order

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32  
papers

1,770  
citations

361413

20  
h-index

434195

31  
g-index

32  
all docs

32  
docs citations

32  
times ranked

3239  
citing authors

#	ARTICLE	IF	CITATIONS
1	In Vitro and in Vivo Studies of FePt Nanoparticles for Dual Modal CT/MRI Molecular Imaging. <i>Journal of the American Chemical Society</i> , 2010, 132, 13270-13278.	13.7	337
2	Prominent Short-Circuit Currents of Fluorinated Quinoxaline-Based Copolymer Solar Cells with a Power Conversion Efficiency of 8.0%. <i>Chemistry of Materials</i> , 2012, 24, 4766-4772.	6.7	329
3	Photothermal cancer therapy via femtosecond-laser-excited FePt nanoparticles. <i>Biomaterials</i> , 2013, 34, 1128-1134.	11.4	116
4	Controlled Growth and Magnetic Property of FePt Nanostructure: Cuboctahedron, Octapod, Truncated Cube, and Cube. <i>Chemistry of Materials</i> , 2009, 21, 4955-4961.	6.7	93
5	Large AuAg Alloy Nanoparticles Synthesized in Organic Media Using a One-Pot Reaction: Their Applications for High-Performance Bulk Heterojunction Solar Cells. <i>Advanced Functional Materials</i> , 2012, 22, 3975-3984.	14.9	82
6	Synthesis of core/shell metal oxide/polyaniline nanocomposites and hollow polyaniline capsules. <i>Nanotechnology</i> , 2007, 18, 275604.	2.6	72
7	Size-dependent magnetic parameters of fcc FePt nanoparticles: applications to magnetic hyperthermia. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 145002.	2.8	61
8	Antiferromagnetic Iron Nanocolloids: A New Generation in Vivo $T_1$ -MRI Contrast Agent. <i>Journal of the American Chemical Society</i> , 2013, 135, 18621-18628.	13.7	61
9	Size-Controlled Ferromagnetism in Capped CdSe Quantum Dots. <i>Advanced Materials</i> , 2008, 20, 1656-1660.	21.0	57
10	PtCoFe Nanowire Cathodes Boost Short-Circuit Currents of Ru(II)-Based Dye-Sensitized Solar Cells to a Power Conversion Efficiency of 12.29%. <i>Advanced Functional Materials</i> , 2018, 28, 1703282.	14.9	55
11	Surfactant-Directed Synthesis of Ternary Nanostructures: Nanocubes, Polyhedrons, Octahedrons, and Nanowires of PtNiFe. Their Shape-Dependent Oxygen Reduction Activity. <i>Chemistry of Materials</i> , 2012, 24, 2527-2533.	6.7	53
12	Tri-iodide Reduction Activity of Shape- and Composition-Controlled PtFe Nanostructures as Counter Electrodes in Dye-Sensitized Solar Cells. <i>Chemistry of Materials</i> , 2016, 28, 2110-2119.	6.7	51
13	A Versatile Theranostic Delivery Platform Integrating Magnetic Resonance Imaging/Computed Tomography, pH-Dependent Diol Controlled Release, and Targeted Therapy. <i>ACS Nano</i> , 2016, 10, 5809-5822.	14.6	49
14	Fluorinated thienyl-quinoxaline-based D-A-type copolymer toward efficient polymer solar cells: synthesis, characterization, and photovoltaic properties. <i>Polymer Chemistry</i> , 2013, 4, 3411.	3.9	46
15	One-step synthesis of degradable $T_1$ -FeOOH functionalized hollow mesoporous silica nanocomposites from mesoporous silica spheres. <i>Nanoscale</i> , 2015, 7, 2676-2687.	5.6	43
16	Uniform size and composition tuning of PtNi octahedra for systematic studies of oxygen reduction reactions. <i>Journal of Catalysis</i> , 2014, 309, 343-350.	6.2	41
17	Shape-Dependent Light Harvesting of 3D Gold Nanocrystals on Bulk Heterojunction Solar Cells: Plasmonic or Optical Scattering Effect?. <i>Journal of Physical Chemistry C</i> , 2015, 119, 7554-7564.	3.1	36
18	Engineering of Single Magnetic Particle Carrier for Living Brain Cell Imaging: A Tunable $T_1$ - $T_2$ -Dual-Modal Contrast Agent for Magnetic Resonance Imaging Application. <i>Chemistry of Materials</i> , 2017, 29, 4411-4417.	6.7	34

#	ARTICLE	IF	CITATIONS
19	One-Step, Room-Temperature Synthesis of Glutathione-Capped Iron-Oxide Nanoparticles and their Application in In Vivo <sup>1</sup> -Weighted Magnetic Resonance Imaging. <i>Small</i> , 2014, 10, 3962-3969.	10.0	30
20	Infrared-active quadruple contrast FePt nanoparticles for multiple scale molecular imaging. <i>Biomaterials</i> , 2016, 85, 54-64.	11.4	26
21	Comprehensive study of medium-bandgap conjugated polymer merging a fluorinated quinoxaline with branched side chains for highly efficient and air-stable polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20203-20212.	10.3	17
22	Low-toxicity FePt nanoparticles for the targeted and enhanced diagnosis of breast tumors using few centimeters deep whole-body photoacoustic imaging. <i>Photoacoustics</i> , 2020, 19, 100179.	7.8	15
23	Strategic Design of Three-Dimensional (3D) Urchin-Like Pt-Ni Nanoalloys: How This Unique Nanostructure Boosts the Bulk Heterojunction Polymer Solar Cells Efficiency to 8.48%. <i>Chemistry of Materials</i> , 2014, 26, 7029-7038.	6.7	13
24	Mesoporous Silica Promoted Deposition of Bioinspired Polydopamine onto Contrast Agent: A Universal Strategy to Achieve Both Biocompatibility and Multiple Scale Molecular Imaging. <i>Particle and Particle Systems Characterization</i> , 2017, 34, 1600415.	2.3	13
25	Alloy Nanostructured Catalysts for Cathodic Reactions in Energy Conversion and Fuel Generation. <i>Energy &amp; Fuels</i> , 2021, 35, 18857-18870.	5.1	8
26	Enhancing the Catalytic Activity of Tri-iodide Reduction by Tuning the Surface Electronic Structure of PtPd Alloy Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2019, 123, 12722-12729.	3.1	7
27	One-Pot Synthesis of Highly Emissive, Green-to-Red (ZnS) <sub>x</sub> -Cu <sub>0.1</sub> /InS <sub>1.55</sub> /ZnS Core/Shell Nanoparticles via Surfactant Induced Nucleation Process. <i>Materials Express</i> , 2012, 2, 224-232.	0.5	6
28	Silver nanoprism-based paper as a ratiometric sensor for extending biothiol detection in serum. <i>New Journal of Chemistry</i> , 2017, 41, 15120-15126.	2.8	5
29	Engineered core-shell magnetic nanoparticle for MR dual-modal tracking and safe magnetic manipulation of ependymal cells in live rodents. <i>Nanotechnology</i> , 2018, 29, 015102.	2.6	5
30	Boost reactivity of tri-iodide reduction electrode by highly faceted octahedral PtNi nanocrystals. <i>Journal of Catalysis</i> , 2021, 396, 297-303.	6.2	5
31	Direct evidence of type II band alignment in nanoscale P3HT/CdSe heterostructures. <i>Nanotechnology</i> , 2011, 22, 065202.	2.6	4
32	Solar Cells: PtCoFe Nanowire Cathodes Boost Short-Circuit Currents of Ru(II)-Based Dye-Sensitized Solar Cells to a Power Conversion Efficiency of 12.29% (Adv. Funct. Mater. 3/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870020.	14.9	0