

Shang-Wei Chou

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,770
citations

361413

20
h-index

434195

31
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all docs

32
docs citations

32
times ranked

3239
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Alloy Nanostructured Catalysts for Cathodic Reactions in Energy Conversion and Fuel Generation. <i>Energy & Fuels</i> , 2021, 35, 18857-18870.	5.1	8
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	A Versatile Theranostic Delivery Platform Integrating Magnetic Resonance Imaging/Computed Tomography, pH/cis-Diol Controlled Release, and Targeted Therapy. <i>ACS Nano</i> , 2016, 10, 5809-5822.	14.6	49
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	Infrared-active quadruple contrast FePt nanoparticles for multiple scale molecular imaging. <i>Biomaterials</i> , 2016, 85, 54-64.	11.4	26
14	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
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	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
17	One-step, Room-temperature Synthesis of Glutathione-Capped Iron Oxide Nanoparticles and their Application in In Vivo T ₁ -Weighted Magnetic Resonance Imaging. <i>Small</i> , 2014, 10, 3962-3969.	10.0	30
18	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

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19	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
20	Photothermal cancer therapy via femtosecond-laser-excited FePt nanoparticles. <i>Biomaterials</i> , 2013, 34, 1128-1134.	11.4	116
21	Fluorinated thienyl-quinoxaline-based A-type copolymer toward efficient polymer solar cells: synthesis, characterization, and photovoltaic properties. <i>Polymer Chemistry</i> , 2013, 4, 3411.	3.9	46
22	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
23	One-Pot Synthesis of Highly Emissive, Green-to-Red (ZnS) _x /Cu _{0.1} /InS _{1.55} /ZnS Core/Shell Nanoparticles via Surfactant Induced Nucleation Process. <i>Materials Express</i> , 2012, 2, 224-232.	0.5	6
24	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
25	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
26	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
27	Direct evidence of type II band alignment in nanoscale P3HT/CdSe heterostructures. <i>Nanotechnology</i> , 2011, 22, 065202.	2.6	4
28	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
29	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
30	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
31	Size-Controlled Ferromagnetism in Capped CdSe Quantum Dots. <i>Advanced Materials</i> , 2008, 20, 1656-1660.	21.0	57
32	Synthesis of core/shell metal oxide/polyaniline nanocomposites and hollow polyaniline capsules. <i>Nanotechnology</i> , 2007, 18, 275604.	2.6	72