

Chien-Hung Li

List of Publications by Year in descending order

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24
papers

1,321
citations

567144

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642610

23
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all docs

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docs citations

24
times ranked

1864
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>N</i> -Heterocyclic Carbenes in Materials Chemistry. <i>Chemical Reviews</i> , 2019, 119, 4986-5056.	23.0	427
2	Ultrastable Gold Nanoparticles Modified by Bidentate <i>N</i> -Heterocyclic Carbene Ligands. <i>Journal of the American Chemical Society</i> , 2018, 140, 1576-1579.	6.6	140
3	Water-Soluble <i>N</i> -Heterocyclic Carbene-Protected Gold Nanoparticles: Size-Controlled Synthesis, Stability, and Optical Properties. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6198-6202.	7.2	115
4	Monolithic NPG nanoparticles with large surface area, tunable plasmonics, and high-density internal hot-spots. <i>Nanoscale</i> , 2014, 6, 8199-8207.	2.8	105
5	Gold Nanoshell-Decorated Silicone Surfaces for the Near-Infrared (NIR) Photothermal Destruction of the Pathogenic Bacterium <i>E. faecalis</i> . <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 3981-3993.	4.0	77
6	Morphological control and plasmonic tuning of nanoporous gold disks by surface modifications. <i>Journal of Materials Chemistry C</i> , 2015, 3, 247-252.	2.7	55
7	Internal and external morphology-dependent plasmonic resonance in monolithic nanoporous gold nanoparticles. <i>RSC Advances</i> , 2014, 4, 36682-36688.	1.7	48
8	Bioinspired Zwitterionic Surface Coatings with Robust Photostability and Fouling Resistance. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 23776-23786.	4.0	48
9	Plasmonically Enhanced Photocatalytic Hydrogen Production from Water: The Critical Role of Tunable Surface Plasmon Resonance from Gold-Silver Nanoshells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9152-9161.	4.0	45
10	Amphiphilic <i>N</i> -Heterocyclic Carbene-Stabilized Gold Nanoparticles and Their Self-Assembly in Polar Solvents. <i>Langmuir</i> , 2017, 33, 14211-14219.	1.6	42
11	Water-Soluble <i>N</i> -Heterocyclic Carbene-Protected Gold Nanoparticles: Size-Controlled Synthesis, Stability, and Optical Properties. <i>Angewandte Chemie</i> , 2017, 129, 6294-6298.	1.6	35
12	Robust Carboxylic Acid-Terminated Organic Thin Films and Nanoparticle Protectants Generated from Bidentate Alkanethiols. <i>Langmuir</i> , 2013, 29, 10432-10439.	1.6	31
13	Uniformly Spherical and Monodisperse Antimony- and Zinc-Doped Tin Oxide Nanoparticles for Optical and Electronic Applications. <i>ACS Applied Nano Materials</i> , 2019, 2, 6554-6564.	2.4	31
14	In Situ Growth of Hollow Gold-Silver Nanoshells within Porous Silica Offers Tunable Plasmonic Extinctions and Enhanced Colloidal Stability. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 19943-19950.	4.0	27
15	A Nanoparticle-Decorated Biomolecule-Responsive Polymer Enables Robust Signaling Cascade for Biosensing. <i>Advanced Materials</i> , 2017, 29, 1702090.	11.1	21
16	Electrochemical properties of an AgInS ₂ photoanode prepared using ultrasonic-assisted chemical bath deposition. <i>RSC Advances</i> , 2014, 4, 35215-35223.	1.7	14
17	Surface modification with zwitterionic cysteine betaine for nanoshell-assisted near-infrared plasmonic hyperthermia. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 291-300.	2.5	14
18	Semihollow Core-Shell Nanoparticles with Porous SiO ₂ Shells Encapsulating Elemental Sulfur for Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 47368-47376.	4.0	12

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19	The Structural and Electrochemical Effects of N-Heterocyclic Carbene Monolayers on Magnesium. <i>Journal of the Electrochemical Society</i> , 2018, 165, G139-G145.	1.3	10
20	Galvanic displacement on electrodeposited tangled Zn nanowire sacrificial template for preparing porous and hollow Ni electrodes in ionic liquid. <i>Journal of Molecular Liquids</i> , 2020, 298, 112050.	2.3	8
21	Antimony- and Zinc-Doped Tin Oxide Shells Coated on Gold Nanoparticles and Gold-Silver Nanoshells Having Tunable Extinctions for Sensing and Photonic Applications. <i>ACS Applied Nano Materials</i> , 2020, 3, 8958-8971.	2.4	8
22	Broadening the photoresponsive activity of anatase titanium dioxide particles via decoration with partial gold shells. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 715-725.	5.0	5
23	Optically Tunable Tin Oxide-Coated Hollow Gold-Silver Nanorattles for Use in Solar-Driven Applications. <i>ACS Omega</i> , 2020, 5, 23769-23777.	1.6	3
24	Magnetic Microorganisms: Using Chemically Functionalized Magnetic Nanoparticles To Observe and Control Paramecia. <i>Journal of Chemical Education</i> , 2017, 94, 85-90.	1.1	0