

Young Wook Lee

List of Publications by Year in descending order

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27
papers

1,593
citations

394421

19
h-index

501196

28
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29
all docs

29
docs citations

29
times ranked

2322
citing authors

#	ARTICLE	IF	CITATIONS
1	One-Step Synthesis of Au@Pd Core-Shell Nanooctahedron. <i>Journal of the American Chemical Society</i> , 2009, 131, 17036-17037.	13.7	327
2	Ultrathin Free-Standing Ternary Alloy Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2753-2758.	13.8	197
3	One-Pot Synthesis of Trimetallic Au@PdPt Core-Shell Nanoparticles with High Catalytic Performance. <i>ACS Nano</i> , 2013, 7, 7945-7955.	14.6	192
4	Polyhedral Bimetallic Alloy Nanocrystals Exclusively Bound by {110} Facets: Au-Pd Rhombic Dodecahedra. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3466-3470.	13.8	103
5	Core-Shell Engineering of Pd-Ag Bimetallic Catalysts for Efficient Hydrogen Production from Formic Acid Decomposition. <i>ACS Catalysis</i> , 2019, 9, 819-826.	11.2	88
6	Shaping Pd nanocatalysts through the control of reaction sequence. <i>Chemical Communications</i> , 2010, 46, 1535.	4.1	74
7	Kinetically Controlled Growth of Polyhedral Bimetallic Alloy Nanocrystals Exclusively Bound by High-Index Facets: Au-Pd Hexooctahedra. <i>Small</i> , 2013, 9, 660-665.	10.0	54
8	Dendritic Ternary Alloy Nanocrystals for Enhanced Electrocatalytic Oxidation Reactions. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44018-44026.	8.0	36
9	Ultrathin Free-Standing Ternary Alloy Nanosheets. <i>Angewandte Chemie</i> , 2016, 128, 2803-2808.	2.0	34
10	Facile synthesis of noble metal nanotubes by using ZnO nanowires as sacrificial scaffolds and their electrocatalytic properties. <i>Chemical Communications</i> , 2011, 47, 6299.	4.1	32
11	Regulating the Catalytic Function of Reduced Graphene Oxides Using Capping Agents for Metal-Free Catalysis. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 1692-1701.	8.0	32
12	Nanogap-tailored Au nanoparticles fabricated by pulsed laser ablation for surface-enhanced Raman scattering. <i>Biosensors and Bioelectronics</i> , 2022, 197, 113766.	10.1	31
13	Core-Shell Nanoparticle Clusters Enable Synergistic Integration of Plasmonic and Catalytic Functions in a Single Platform. <i>Small</i> , 2017, 13, 1701633.	10.0	28
14	Hierarchical metal-semiconductor-graphene ternary heteronanostructures for plasmon-enhanced wide-range visible-light photocatalysis. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15831-15840.	10.3	25
15	Understanding the Grain Boundary Behavior of Bimetallic Platinum-Cobalt Alloy Nanowires toward Oxygen Electro-Reduction. <i>ACS Catalysis</i> , 2022, 12, 3516-3523.	11.2	23
16	Simple Electrodeposition of Dendritic Au Rods from Sulfite-Based Au(I) Electrolytes with High Electrocatalytic and SERS Activities. <i>Electroanalysis</i> , 2011, 23, 2030-2035.	2.9	20
17	One-Pot Self-templating Synthesis of Pt Hollow Nanostructures and Their Catalytic Properties for CO Oxidation. <i>Chemistry - A European Journal</i> , 2014, 20, 11669-11674.	3.3	20
18	Fabrication of BixPtyPd _z alloy nanoporous plates with electro-catalytic activity. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2735.	10.3	17

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19	Fine Control over the Compositional Structure of Trimetallic Core-Shell Nanocrystals for Enhanced Electrocatalysis. ACS Applied Materials & Interfaces, 2019, 11, 25901-25908.	8.0	15
20	One-Pot Synthesis of Ternary Alloy Hollow Nanostructures with Controlled Morphologies for Electrocatalysis. ACS Applied Materials & Interfaces, 2021, 13, 45538-45546.	8.0	10
21	Microwave synthesis of MWCNT-supported PtRuNi catalysts and their electrocatalytic activity for direct methanol fuel cells. Journal of the Korean Ceramic Society, 2020, 57, 192-199.	2.3	7
22	Shape- and Size-Controlled Palladium Nanocrystals and Their Electrocatalytic Properties in the Oxidation of Ethanol. Materials, 2021, 14, 2970.	2.9	6
23	Size-controlled palladium dendritic nanocrystals and their electrocatalytic property toward formic acid oxidation and SERS performance. Materials Letters, 2021, 284, 128988.	2.6	4
24	Hybrid Structure of TiO ₂ -Graphitic Carbon as a Support of Pt Nanoparticles for Catalyzing Oxygen Reduction Reaction. Catalysts, 2021, 11, 1196.	3.5	4
25	Highly Enhanced Electrocatalytic Performances with Dendritic Bimetallic Palladium-Based Nanocrystals. Catalysts, 2021, 11, 1337.	3.5	3
26	Alloy Nanocrystals: Kinetically Controlled Growth of Polyhedral Bimetallic Alloy Nanocrystals Exclusively Bound by High-Index Facets: Au-Pd Hexoctahedra (Small 5/2013). Small, 2013, 9, 646-646.	10.0	1
27	Plasmonic Nanostructures: Core-Shell Nanoparticle Clusters Enable Synergistic Integration of Plasmonic and Catalytic Functions in a Single Platform (Small 43/2017). Small, 2017, 13, .	10.0	0