Jong-Wook Hong

List of Publications by Year
in descending order

47 papers	2,691 citations	201674 27 h-index	206112 48 g-index
49 all docs	49 docs citations	49 times ranked	3622 citing authors

#	Article	IF	Citations
1	Exploiting Plasmonic Hot Spots in Au-Based Nanostructures for Sensing and Photocatalysis. Accounts of Chemical Research, 2022, 55, 831-843.	15.6	38
2	Achieving complete electrooxidation of ethanol by single atomic Rh decoration of Pt nanocubes. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2112109119.	7.1	40
3	Surface Engineering of Palladium Nanocrystals: Decoupling the Activity of Different Surface Sites on Nanocrystal Catalysts. Angewandte Chemie - International Edition, 2022, , .	13.8	5
4	Anisotropic heteronanocrystals of Cu2Oâ€“2D MoS2 for efficient visible light driven photocatalysis. Applied Surface Science, 2021, 538, 148159.	6.1	19
5	Size-controlled palladium dendritic nanocrystals and their electrocatalytic property toward formic acid oxidation and SERS performance. Materials Letters, 2021, 284, 128988.	2.6	4
6	Highly Porous Auâ€“Pt Bimetallic Urchin-Like Nanocrystals for Efficient Electrochemical Methanol Oxidation. Nanomaterials, 2021, 11, 112.	4.1	6
7	Shape- and Size-Controlled Palladium Nanocrystals and Their Electrocatalytic Properties in the Oxidation of Ethanol. Materials, 2021, 14, 2970.	2.9	6
8	Development of Visible-Light-Driven Rhâ€“TiO2â€“CeO2 Hybrid Photocatalysts for Hydrogen Production. Catalysts, 2021, 11, 848.	3.5	6
9	Sustainable Surface-Enhanced Raman Substrate with Hexagonal Boron Nitride Dielectric Spacer for Preventing Electric Field Cancellation at Auâ€“Au Nanogap. ACS Applied Materials & Interfaces, 2021, 13, 42176-42182.	8.0	7
10	Highly Enhanced Electrocatalytic Performances with Dendritic Bimetallic Palladium-Based Nanocrystals. Catalysts, 2021, 11, 1337.	3.5	3
11	Active Bumpy Ptï£¿Pd Nanocubes for Methanol Oxidation Reaction. Bulletin of the Korean Chemical Society, 2020, 41, 237-240.	1.9	4
12	One-pot production of ceria nanosheet-supported PtNi alloy nanodendrites with high catalytic performance toward methanol oxidation and oxygen reduction. Journal of Materials Chemistry A, 2020, 8, 25842-25849.	10.3	41
13	Highly Active Binary Exfoliated <scp>MoS₂</scp> Sheetâ€“<scp>Cu₂O</scp> Nanocrystal Hybrids for Efficient Photocatalytic Pollutant Degradation. Bulletin of the Korean Chemical Society, 2020, 41, 1147-1152.	1.9	7
14	Controlled Photoinduced Electron Transfer from InP/ZnS Quantum Dots through Cu Doping: A New Prototype for the Visible-Light Photocatalytic Hydrogen Evolution Reaction. Nano Letters, 2020, 20, 6263-6271.	9.1	50
15	Synthesis of Pdâ€Pt Ultrathin Assembled Nanosheets as Highly Efficient Electrocatalysts for Ethanol Oxidation. Chemistry - an Asian Journal, 2020, 15, 1324-1329.	3.3	12
16	Surface elemental distribution effect of Pt-Pb hexagonal nanoplates for electrocatalytic methanol oxidation reaction. Chinese Journal of Catalysis, 2020, 41, 813-819.	14.0	25
17	Ligand Effect of Shape-Controlled Î²-Palladium Hydride Nanocrystals on Liquid-Fuel Oxidation Reactions. Chemistry of Materials, 2019, 31, 5663-5673.	6.7	45
18	Shape-controlled Pd nanocrystalâ€“polyaniline heteronanostructures with modulated polyaniline thickness for efficient electrochemical ethanol oxidation. Journal of Materials Chemistry A, 2019, 7, 22029-22035.	10.3	19

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19	Ultrathinâ€Polyanilineâ€Coated Ptâ€“Ni Alloy Nanooctahedra for the Electrochemical Methanol Oxidation Reaction. Chemistry - A European Journal, 2019, 25, 7185-7190.	3.3	30
20	Tuning Chemical Interface Damping: Interfacial Electronic Effects of Adsorbate Molecules and Sharp Tips of Single Gold Bipyramids. Nano Letters, 2019, 19, 2568-2574.	9.1	73
21	The surface plasmon-induced hot carrier effect on the catalytic activity of CO oxidation on a Cu₂O/hexoctahedral Au inverse catalyst. Nanoscale, 2018, 10, 10835-10843.	5.6	35
22	Metalâ€“semiconductor yolkâ€“shell heteronanostructures for plasmon-enhanced photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2018, 6, 4068-4078.	10.3	56
23	Controlled Synthesis of Pd Nanocubeâ€Polyaniline Hybrids for Ethanol Oxidation Reaction. Bulletin of the Korean Chemical Society, 2018, 40, 78.	1.9	3
24	Metalâ€“semiconductor ternary hybrids for efficient visible-light photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2018, 6, 13225-13235.	10.3	37
25	Single gold bipyramids with sharp tips as sensitive single particle orientation sensors in biological studies. Nanoscale, 2017, 9, 12060-12067.	5.6	19
26	Dendritic Ternary Alloy Nanocrystals for Enhanced Electrocatalytic Oxidation Reactions. ACS Applied Materials & Interfaces, 2017, 9, 44018-44026.	8.0	36
27	Nobleâ€Metal Nanocrystals with Controlled Facets for Electrocatalysis. Chemistry - an Asian Journal, 2016, 11, 2224-2239.	3.3	56
28	Ultrathin Freeâ€Standing Ternaryâ€Alloy Nanosheets. Angewandte Chemie, 2016, 128, 2803-2808.	2.0	34
29	Ultrathin Freeâ€Standing Ternaryâ€Alloy Nanosheets. Angewandte Chemie - International Edition, 2016, 55, 2753-2758.	13.8	197
30	Controlled synthesis of highly multi-branched Pt-based alloy nanocrystals with high catalytic performance. CrystEngComm, 2016, 18, 2356-2362.	2.6	14
31	Metalâ€“Semiconductor Heteronanocrystals with Desired Configurations for Plasmonic Photocatalysis. Journal of the American Chemical Society, 2016, 138, 15766-15773.	13.7	138
32	Shape-dependent adhesion and friction of Au nanoparticles probed with atomic force microscopy. Nanotechnology, 2015, 26, 135707.	2.6	4
33	The controlled synthesis of plasmonic nanoparticle clusters as efficient surface-enhanced Raman scattering platforms. Chemical Communications, 2015, 51, 8793-8796.	4.1	17
34	The facet-dependent enhanced catalytic activity of Pd nanocrystals. Chemical Communications, 2014, 50, 9454.	4.1	43
35	Universal Sulfide-Assisted Synthesis of Mâ€“Ag Heterodimers (M = Pd, Au, Pt) as Efficient Platforms for Fabricating Metalâ€“Semiconductor Heteronanostructures. Journal of the American Chemical Society, 2014, 136, 5221-5224.	13.7	42
36	One-Pot Synthesis of Trimetallic Au@PdPt Coreâ€“Shell Nanoparticles with High Catalytic Performance. ACS Nano, 2013, 7, 7945-7955.	14.6	192

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37	Kinetically Controlled Growth of Polyhedral Bimetallic Alloy Nanocrystals Exclusively Bound by Highâ€Index Facets: Auâ€“Pd Hexoctahedra. Small, 2013, 9, 660-665.	10.0	54
38	Alloy Nanocrystals: Kinetically Controlled Growth of Polyhedral Bimetallic Alloy Nanocrystals Exclusively Bound by Highâ€Index Facets: Auâ€“Pd Hexoctahedra (Small 5/2013). Small, 2013, 9, 646-646.	10.0	1
39	Controlled Synthesis of Pdâ€“Pt Alloy Hollow Nanostructures with Enhanced Catalytic Activities for Oxygen Reduction. ACS Nano, 2012, 6, 2410-2419.	14.6	348
40	Trisoctahedral Auâ€“Pd Alloy Nanocrystals with Highâ€Index Facets and Their Excellent Catalytic Performance. Chemistry - A European Journal, 2012, 18, 16626-16630.	3.3	42
41	Multimetallic Alloy Nanotubes with Nanoporous Framework. ACS Nano, 2012, 6, 5659-5667.	14.6	74
42	Hexoctahedral Au Nanocrystals with High-Index Facets and Their Optical and Surface-Enhanced Raman Scattering Properties. Journal of the American Chemical Society, 2012, 134, 4565-4568.	13.7	155
43	One-pot synthesis and electrocatalytic activity of octapodal Auâ€“Pd nanoparticles. Chemical Communications, 2011, 47, 2553.	4.1	81
44	Oneâ€Pot Synthesis of Carbonâ€Supported Dendritic Pdâ€Au Nanoalloys for Electrocatalytic Ethanol Oxidation. Chemistry - an Asian Journal, 2011, 6, 909-913.	3.3	51
45	Atomicâ€Distributionâ€Dependent Electrocatalytic Activity of Auâ€“Pd Bimetallic Nanocrystals. Angewandte Chemie - International Edition, 2011, 50, 8876-8880.	13.8	201
46	Synthesis of AuPt Heteronanostructures with Enhanced Electrocatalytic Activity toward Oxygen Reduction. Angewandte Chemie - International Edition, 2010, 49, 10197-10201.	13.8	129
47	Surface Engineering of Palladium Nanocrystals: Decoupling the Activity of Different Surface Sites on Nanocrystal Catalysts. Angewandte Chemie, 0, , .	2.0	0