

Bokwon Yoon

List of Publications by Year in descending order

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28
papers

4,284
citations

361413

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477307

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docs citations

30
times ranked

4556
citing authors

#	ARTICLE	IF	CITATIONS
1	Charging Effects on Bonding and Catalyzed Oxidation of CO on Au ₈ Clusters on MgO. <i>Science</i> , 2005, 307, 403-407.	12.6	1,358
2	Ultrastable silver nanoparticles. <i>Nature</i> , 2013, 501, 399-402.	27.8	1,023
3	Interaction of O ₂ with Gold Clusters: Molecular and Dissociative Adsorption. <i>Journal of Physical Chemistry A</i> , 2003, 107, 4066-4071.	2.5	349
4	Structural evolution of Au nanoclusters: From planar to cage to tubular motifs. <i>Physical Review B</i> , 2006, 74, .	3.2	234
5	Size-Dependent Structural Evolution and Chemical Reactivity of Gold Clusters. <i>ChemPhysChem</i> , 2007, 8, 157-161.	2.1	197
6	Factors in gold nanocatalysis: oxidation of CO in the non-scalable size regime. <i>Topics in Catalysis</i> , 2007, 44, 145-158.	2.8	190
7	Hydrogen-bonded structure and mechanical chiral response of a silver nanoparticle superlattice. <i>Nature Materials</i> , 2014, 13, 807-811.	27.5	128
8	Chemistry and Structure of Silver Molecular Nanoparticles. <i>Accounts of Chemical Research</i> , 2018, 51, 3104-3113.	15.6	123
9	Structure sensitivity in the non-scalable regime explored via catalysed ethylene hydrogenation on supported platinum nanoclusters. <i>Nature Communications</i> , 2016, 7, 10389.	12.8	115
10	Electric Field Control of Structure, Dimensionality, and Reactivity of Gold Nanoclusters on Metal-Supported MgO Films. <i>Physical Review Letters</i> , 2008, 100, 056102.	7.8	58
11	Fundamental Insight into the Substrate-Dependent Ripening of Monodisperse Clusters. <i>ChemCatChem</i> , 2013, 5, 3330-3341.	3.7	52
12	The Missing Link: Au ₁₉₁ (SPh-tBu) ₆₆ Janus Nanoparticle with Molecular and Bulk-Metal-like Properties. <i>Journal of the American Chemical Society</i> , 2020, 142, 15799-15814.	13.7	48
13	Diffusion of Gold Clusters on Defective Graphite Surfaces. <i>Journal of Physical Chemistry B</i> , 2003, 107, 5882-5891.	2.6	42
14	Confirmation of a de novo structure prediction for an atomically precise monolayer-coated silver nanoparticle. <i>Science Advances</i> , 2016, 2, e1601609.	10.3	39
15	M ₄ Ag ₄₄ (p-MBA) ₃₀ Molecular Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2015, 119, 11238-11249.	3.1	37
16	M ₃ Ag ₁₇ (SPh) ₁₂ Nanoparticles and Their Structure Prediction. <i>Journal of the American Chemical Society</i> , 2015, 137, 11550-11553.	13.7	33
17	Controlling Ethylene Hydrogenation Reactivity on Pt ₁₃ Clusters by Varying the Stoichiometry of the Amorphous Silica Support. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8953-8957.	13.8	32
18	Ethene to Graphene: Surface Catalyzed Chemical Pathways, Intermediates, and Assembly. <i>Journal of Physical Chemistry C</i> , 2017, 121, 9413-9423.	3.1	29

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19	Synthetic and Postsynthetic Chemistry of $M_{4}Au_{x}Ag_{44}^{x}$ -(p)-MBA ₃₀ Alloy Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018, 122, 13166-13174.	3.1	22
20	Highly Ordered Boron Nitride/Epigraphene Epitaxial Films on Silicon Carbide by Lateral Epitaxial Deposition. <i>ACS Nano</i> , 2020, 14, 12962-12971.	14.6	14
21	Isomeric Thiolate Monolayer Protected Au_{92} and Au_{102} Nanomolecules. <i>Journal of Physical Chemistry C</i> , 2020, 124, 1655-1666.	3.1	9
22	Co-adsorption of O_{2} and $C_{2}H_{4}$ on a Free Gold Dimer Probed via Infrared Photodissociation Spectroscopy. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1895-1905.	2.8	6
23	Nanotuning via Local Work Function Control: Ethylene Hydrogenation on Supported Pt Nanoclusters. <i>ACS Catalysis</i> , 2020, 10, 1799-1809.	11.2	6
24	$M_{4}Au_{12}Ag_{32}$ -(p)-MBA ₃₀ ($M = Na$), <i>Tj ETQq0 0 0 rgBT /Overlo</i> E: <i>Crystallographic Communications</i> , 2018, 74, 987-993.	0.5	6
25	Size, Stoichiometry, Dimensionality, and Ca Doping of Manganese Oxide-Based Water Oxidation Clusters: An Oxy/Hydroxy Mechanism for Oxygen-Oxygen Coupling. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5248-5255.	4.6	5
26	Nanomolecular Metallurgy: Transformation from $Au_{144}(SCH_{2}CH_{2}Ph)_{60}$ to $Au_{279}(SPh-t-Bu)_{84}$. <i>Journal of Physical Chemistry C</i> , 2021, 125, 20488-20502.	3.1	4
27	Methanol C=O Bond Activation by Free Gold Clusters Probed via Infrared Photodissociation Spectroscopy. <i>Zeitschrift Fur Physikalische Chemie</i> , 2019, 233, 865-880.	2.8	3
28	Controlling Ethylene Hydrogenation Reactivity on Pt_{13} Clusters by Varying the Stoichiometry of the Amorphous Silica Support. <i>Angewandte Chemie</i> , 2016, 128, 9099-9103.	2.0	1