Bokwon Yoon

List of Publications by Year
in descending order

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28 papers	4,284 citations	361045 20 h-index	476904 29 g-index
30 all docs	30 docs citations	30 times ranked	4556 citing authors

#	Article	IF	Citations
1	Size, Stoichiometry, Dimensionality, and Ca Doping of Manganese Oxide-Based Water Oxidation Clusters: An Oxyl/Hydroxy Mechanism for Oxygenâ€“Oxygen Coupling. Journal of Physical Chemistry Letters, 2021, 12, 5248-5255.	2.1	5
2	Nanomolecular Metallurgy: Transformation from Au₁₄₄(SCH₂CH₂Ph)₆₀ to Au₂₇₉(SPh-tBu)₈₄. Journal of Physical Chemistry C, 2021, 125, 20488-20502.	1.5	4
3	Isomeric Thiolate Monolayer Protected Au₉₂ and Au₁₀₂ Nanomolecules. Journal of Physical Chemistry C, 2020, 124, 1655-1666.	1.5	9
4	Nanotuning via Local Work Function Control: Ethylene Hydrogenation on Supported Pt Nanoclusters. ACS Catalysis, 2020, 10, 1799-1809.	5.5	6
5	The Missing Link: Au191(SPh-tBu)66 Janus Nanoparticle with Molecular and Bulk-Metal-like Properties. Journal of the American Chemical Society, 2020, 142, 15799-15814.	6.6	48
6	Highly Ordered Boron Nitride/Epigraphene Epitaxial Films on Silicon Carbide by Lateral Epitaxial Deposition. ACS Nano, 2020, 14, 12962-12971.	7.3	14
7	Co-adsorption of O₂ and C₂H₄ on a Free Gold Dimer Probed via Infrared Photodissociation Spectroscopy. Journal of the American Society for Mass Spectrometry, 2019, 30, 1895-1905.	1.2	6
8	Methanol Câ€“O Bond Activation by Free Gold Clusters Probed via Infrared Photodissociation Spectroscopy. Zeitschrift Fur Physikalische Chemie, 2019, 233, 865-880.	1.4	3
9	Chemistry and Structure of Silver Molecular Nanoparticles. Accounts of Chemical Research, 2018, 51, 3104-3113.	7.6	123
10	Synthetic and Postsynthetic Chemistry of M₄Au_xAg_{44â€“x}(p-MBA)₃₀ Alloy Nanoparticles. Journal of Physical Chemistry C, 2018, 122, 13166-13174.	1.5	22
11	M ₄Au₁₂Ag₃₂(p-MBA)₃₀ (M = Na,) Tj ETQq1 1 0.784314 rgBT E: Crystallographic Communications, 2018, 74, 987-993.	0.2	6
12	Ethene to Graphene: Surface Catalyzed Chemical Pathways, Intermediates, and Assembly. Journal of Physical Chemistry C, 2017, 121, 9413-9423.	1.5	29
13	Confirmation of a de novo structure prediction for an atomically precise monolayer-coated silver nanoparticle. Science Advances, 2016, 2, e1601609.	4.7	39
14	Controlling Ethylene Hydrogenation Reactivity on Pt₁₃ Clusters by Varying the Stoichiometry of the Amorphous Silica Support. Angewandte Chemie - International Edition, 2016, 55, 8953-8957.	7.2	32
15	Controlling Ethylene Hydrogenation Reactivity on Pt₁₃ Clusters by Varying the Stoichiometry of the Amorphous Silica Support. Angewandte Chemie, 2016, 128, 9099-9103.	1.6	1
16	Structure sensitivity in the nonscalable regime explored via catalysed ethylene hydrogenation on supported platinum nanoclusters. Nature Communications, 2016, 7, 10389.	5.8	115
17	M₄Ag₄₄(p-MBA)₃₀ Molecular Nanoparticles. Journal of Physical Chemistry C, 2015, 119, 11238-11249.	1.5	37
18	M₃Ag₁₇(SPh)₁₂ Nanoparticles and Their Structure Prediction. Journal of the American Chemical Society, 2015, 137, 11550-11553.	6.6	33

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19	Hydrogen-bonded structure and mechanical chiral response of a silver nanoparticle superlattice. Nature Materials, 2014, 13, 807-811.	13.3	128
20	Ultrastable silver nanoparticles. Nature, 2013, 501, 399-402.	13.7	1,023
21	Fundamental Insight into the Substrateâ€Dependent Ripening of Monodisperse Clusters. ChemCatChem, 2013, 5, 3330-3341.	1.8	52
22	Electric Field Control of Structure, Dimensionality, and Reactivity of Gold Nanoclusters on Metal-Supported MgO Films. Physical Review Letters, 2008, 100, 056102.	2.9	58
23	Size-Dependent Structural Evolution and Chemical Reactivity of Gold Clusters. ChemPhysChem, 2007, 8, 157-161.	1.0	197
24	Factors in gold nanocatalysis: oxidation of CO in the non-scalable size regime. Topics in Catalysis, 2007, 44, 145-158.	1.3	190
25	Structural evolution of Au nanoclusters: From planar to cage to tubular motifs. Physical Review B, 2006, 74, .	1.1	234
26	Charging Effects on Bonding and Catalyzed Oxidation of CO on Au8 Clusters on MgO. Science, 2005, 307, 403-407.	6.0	1,358
27	Interaction of O2 with Gold Clusters:â€‰ Molecular and Dissociative Adsorption. Journal of Physical Chemistry A, 2003, 107, 4066-4071.	1.1	349
28	Diffusion of Gold Clusters on Defective Graphite Surfaces. Journal of Physical Chemistry B, 2003, 107, 5882-5891.	1.2	42