Young-Seok Shon

List of Publications by Year in Descending Order

79 papers	5,626 citations	32 h-index	74 g-index
82 ext. papers	5,870 ext. citations	5.3 avg, IF	5.32 L-index

#	Paper	IF	Citations
79	Water-Soluble Noble Metal Nanoparticle Catalysts Capped with Small Organic Molecules for Organic Transformations in Water. *ACS Applied Nano Materials*, **2021**, 4, 3294-3318	5.6	4
78	Proximity Effects of Methyl Group on Ligand Steric Interactions and Colloidal Stability of Palladium Nanoparticles. *Frontiers in Chemistry*, **2020**, 8, 599	5	1
77	Isolated Effects of Surface Ligand Density on the Catalytic Activity and Selectivity of Palladium Nanoparticles. *ACS Applied Nano Materials*, **2019**, 2, 7188-7196	5.6	6
76	Hybrid lipid-nanoparticle complexes for biomedical applications. *Journal of Materials Chemistry B*, **2019**, 7, 695-708	7.3	36
75	Morphological transformation of gold nanoparticles on graphene oxide: effects of capping ligands and surface interactions. *Nano Convergence*, **2019**, 6, 2	9.2	17
74	Selective Mono-Hydrogenation of Polyunsaturated Hydrocarbons: Traditional and Nanoscale Catalysis **2019**,		1
73	Colloidal Palladium Nanoparticles for Selective Hydrogenation of Styrene Derivatives with Reactive Functional Groups. *ACS Omega*, **2019**, 4, 20819-20828	3.9	10
72	Synthesis of Alkanethiolate-Capped Metal Nanoparticles Using Alkyl Thiosulfate Ligand Precursors: A Method to Generate Promising Reagents for Selective Catalysis. *Nanomaterials*, **2018**, 8,	5.4	24
71	Molecular interactions between pre-formed metal nanoparticles and graphene families. *Advances in Nano Research*, **2018**, 6, 357-375		3
70	Alkanethiolate-Capped Palladium Nanoparticles for Regio- and Stereoselective Hydrogenation of Allenes. *Catalysts*, **2018**, 8,	4	8
69	Preparation of Partially Poisoned Alkanethiolate-Capped Platinum Nanoparticles for Hydrogenation of Activated Terminal Alkynes. *ACS Applied Materials & Interfaces*, **2017**, 9, 9823-9832	9.5	16
68	Alkanethiolate-capped palladium nanoparticles for selective catalytic hydrogenation of dienes and trienes. *Catalysis Science and Technology*, **2017**, 7, 4823-4829	5.5	15
67	Apolipoprotein E3-mediated cellular uptake of reconstituted high-density lipoprotein bearing core 3, 10, or 17 nm hydrophobic gold nanoparticles. *International Journal of Nanomedicine*, **2017**, 12, 8495-8510	7.3	10
66	Effects of Noncovalent Interactions on the Catalytic Activity of Unsupported Colloidal Palladium Nanoparticles Stabilized with Thiolate Ligands. *Journal of Physical Chemistry C*, **2017**, 121, 20882-20891	3.8	9
65	Unsupported Micellar Palladium Nanoparticles for Biphasic Hydrogenation and Isomerization of Hydrophobic Allylic Alcohols in Water. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2017**, 513, 367-372	5.1	11
64	Influence of Graphene Oxide Supports on Solution-Phase Catalysis of Thiolate-Protected Palladium Nanoparticles in Water. *New Journal of Chemistry*, **2017**, 41, 177-183	3.6	12
63	Mechanistic interpretation of selective catalytic hydrogenation and isomerization of alkenes and dienes by ligand deactivated Pd nanoparticles. *Nanoscale*, **2015**, 7, 17786-90	7.7	25

62	Stability, cytotoxicity and cell uptake of water-soluble dendron-conjugated gold nanoparticles with 3, 12 and 17 nm cores. *Journal of Materials Chemistry B*, **2015**, 3, 6071-6080	7.3	19
61	A Fast and Efficient UPLC-ESI-MS/MS Method for Detection, Identification, and Quantitative Analysis of Bioactive Substances in Medicinal Herbal Extracts of Preventing Hair Loss. *Bulletin of the Korean Chemical Society*, **2015**, 36, 2469-2476	1.2	4
60	Graphene oxide-promoted reshaping and coarsening of gold nanorods and nanoparticles. *ACS Applied Materials & Interfaces*, **2015**, 7, 3406-13	9.5	20
59	Catalytic Properties of Unsupported Palladium Nanoparticle Surfaces Capped with Small Organic Ligands. *ChemCatChem*, **2015**, 7, 892-900	5.2	38
58	Mechanistic Insights into the Formation of Dodecanethiolate-Stabilized Magnetic Iridium Nanoparticles: Thiosulfate vs Thiol Ligands. *Journal of Physical Chemistry C*, **2014**, 118, 14548-14554	3.8	12
57	Heat-induced coarsening of layer-by-layer assembled mixed Au and Pd nanoparticles. *Advances in Nano Research*, **2014**, 2, 57-67		
56	Water-soluble Pd nanoparticles synthesized from Ɛ-carboxyl-S-alkanethiosulfate ligand precursors as unimolecular micelle catalysts. *ACS Applied Materials & Interfaces*, **2013**, 5, 12432-40	9.5	32
55	Tandem semi-hydrogenation/isomerization of propargyl alcohols to saturated carbonyl analogues by dodecanethiolate-capped palladium nanoparticle catalysts. *RSC Advances*, **2013**, 3, 13642-13645	3.7	14
54	Nanoscale near-field infrared spectroscopic imaging of silica-shell/gold-core and pure silica nanoparticles. *Journal of Nanoparticle Research*, **2012**, 14, 1	2.3	75
53	Controlling surface ligand density and core size of alkanethiolate-capped Pd nanoparticles and their effects on catalysis. *Langmuir*, **2012**, 28, 14502-8	4	56
52	Pd Nanoparticle-Catalyzed Isomerization vs Hydrogenation of Allyl Alcohol: Solvent-Dependent Regioselectivity. *ACS Catalysis*, **2012**, 2, 1838-1845	13.1	60
51	Characterization of localized surface plasmon resonance transducers produced from Au(25) nanoparticle multilayers. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2012**, 402, 146-151	5.1	7
50	Stability and Morphology of Gold Nanoisland Arrays Generated from Layer-by-Layer Assembled Nanoparticle Multilayer Films: Effects of Heating Temperature and Particle Size. *Journal of Physical Chemistry C*, **2011**, 115, 10597-10605	3.8	16
49	Synthesis and catalytic properties of alkanethiolate-capped Pd nanoparticles generated from sodium S-dodecylthiosulfate. *Journal of Materials Chemistry*, **2011**, 21, 307-312		44
48	Nanoscale subsurface- and material-specific identification of single nanoparticles. *Optics Express*, **2011**, 19, 20865-75	3.3	22
47	Catalytic isomerization of allyl alcohols to carbonyl compounds using poisoned Pd nanoparticles. *Applied Catalysis A: General*, **2011**, 405, 137-141	5.1	41
46	Effect of headgroup on electrical conductivity of self-assembled monolayers on mercury: n-alkanethiols versus n-alkaneselenols. *Langmuir*, **2010**, 26, 1570-3	4	26
45	Preparation of Gold Nanoisland Arrays from Layer-by-Layer Assembled Nanoparticle Multilayer Films. *Bulletin of the Korean Chemical Society*, **2010**, 31, 291-297	1.2	5

44	Preparation of Nanostructured Film Arrays for Transmission Localized Surface Plasmon Sensing. *Plasmonics*, **2009**, 4, 95-105	2.4	40
43	Stability of tetraoctylammonium bromide-protected gold nanoparticles: Effects of anion treatments. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2009**, 352, 12-17	5.1	19
42	Direct assembly of photoresponsive C(60)-gold nanoparticle hybrid films. *ACS Applied Materials & Interfaces*, **2009**, 1, 2699-702	9.5	20
41	Synthesis of nanoparticle-cored dendrimers by convergent dendritic functionalization of monolayer-protected nanoparticles. *Langmuir*, **2008**, 24, 6924-31	4	24
40	Thiol-Capped Gold Nanoparticles on Graphite: Spontaneous Adsorption and Electrochemically Induced Release. *Journal of Physical Chemistry C*, **2007**, 111, 7179-7184	3.8	29
39	Preparation of Ultrathin Thiolate-Covered Bimetallic Systems: From Extended Planar to Nanoparticle Surfaces. *Journal of Physical Chemistry C*, **2007**, 111, 9359-9364	3.8	16
38	Chemical and heating treatments of ionic monolayer-protected clusters (IMPCs) with different surface counter anions. *Journal of Colloid and Interface Science*, **2007**, 316, 66-71	9.3	5
37	Dendritic functionalization of monolayer-protected gold nanoparticles. *Materials Research Bulletin*, **2007**, 42, 1178-1185	5.1	19
36	Dendritic Functionalization of Metal Nanoparticles for Nanoparticle-Cored Dendrimers. *Current Nanoscience*, **2007**, 3, 245-254	1.4	15
35	Electronic interactions between gold nanoclusters in constrained geometries. *Physical Review B*, **2006**, 73,	3.3	4
34	Chemical, Thermal, and Ultrasonic Stability of Hybrid Nanoparticles and Nanoparticle Multilayer Films. *Chemistry of Materials*, **2006**, 18, 107-114	9.6	49
33	Molecular conformation changes in alkylthiol ligands as a function of size in gold nanoparticles: X-ray absorption studies. *Physical Review B*, **2006**, 74,	3.3	18
32	A Route to Redox-active Nanoparticle-cored Dendrimers: Post-encapsulation of Ferrocene. *Chemistry Letters*, **2006**, 35, 644-645	1.7	11
31	Ultrasonic, chemical stability and preparation of self-assembled fullerene[C60]-gold nanoparticle films. *Ultrasonics*, **2006**, 44 Suppl 1, e363-6	3.5	5
30	Systematic control of the packing density of self-assembled monolayers using bidentate and tridentate chelating alkanethiols. *Langmuir*, **2005**, 21, 2902-11	4	106
29	Synthesis of tetraoctylammonium-protected gold nanoparticles with improved stability. *Langmuir*, **2005**, 21, 5689-92	4	86
28	Electronic structure of ensembles of gold nanoparticles: Size and proximity effects. *Physical Review B*, **2005**, 72,	3.3	25
27	Fullerene-functionalized gold nanoparticles: electrochemical and spectroscopic properties. *Analytical Chemistry*, **2004**, 76, 6102-7	7.8	36

26	Aqueous synthesis of alkanethiolate-protected Ag nanoparticles using Bunte salts. *Langmuir*, **2004**, 20, 6626-30	4	113
25	Metal Nanoparticles Protected with Monolayers **2004**,		2
24	Synthesis of Mixed Monolayer-Protected Gold Clusters from Thiol Mixtures: Variation in the Tail Group, Chain Length, and Solvent. *Langmuir*, **2003**, 19, 8555-8559	4	60
23	Organic reactions of monolayer-protected metal nanoparticles. *Comptes Rendus Chimie*, **2003**, 6, 1009-1018	2.7	24
22	Interactions of Small Molecules and Au Nanoparticles with Solubilized Single-Wall Carbon Nanotubes. *Journal of Physical Chemistry B*, **2003**, 107, 3726-3732	3.4	31
21	Monolayer-Protected Bimetal Cluster Synthesis by Core Metal Galvanic Exchange Reaction. *Langmuir*, **2002**, 18, 3880-3885	4	81
20	[60]Fullerene-linked gold nanoparticles: synthesis and layer-by-layer growth on a solid surface. *Chemical Communications*, **2002**, 2560-2561	5.8	32
19	Unsymmetrical Disulfides and Thiol Mixtures Produce Different Mixed Monolayer-Protected Gold Clusters. *Langmuir*, **2001**, 17, 7735-7741	4	73
18	The relationships between interfacial friction and the conformational order of organic thin films. *Tribology Letters*, **2001**, 10, 81-87	2.8	22
17	Water-Soluble, Sulfonic Acid-Functionalized, Monolayer-Protected Nanoparticles and an Ionically Conductive Molten Salt Containing Them. *Langmuir*, **2001**, 17, 1255-1261	4	56
16	Structure, Wettability, and Frictional Properties of Phenyl-Terminated Self-Assembled Monolayers on Gold. *Langmuir*, **2001**, 17, 7364-7370	4	105
15	Structural characterization and frictional properties of C60-terminated self-assembled monolayers on Au(111). *Thin Solid Films*, **2000**, 358, 152-158	2.2	31
14	Alkanethiolate-Protected Gold Clusters Generated from Sodium S-Dodecylthiosulfate (Bunte Salts). *Langmuir*, **2000**, 16, 6555-6561	4	74
13	Low-Density Self-Assembled Monolayers on Gold Derived from Chelating 2-Monoalkylpropane-1,3-dithiols. *Langmuir*, **2000**, 16, 541-548	4	71
12	Desorption and Exchange of Self-Assembled Monolayers (SAMs) on Gold Generated from Chelating Alkanedithiols. *Journal of Physical Chemistry B*, **2000**, 104, 8192-8200	3.4	82
11	The Influence of Packing Densities and Surface Order on the Frictional Properties of Alkanethiol Self-Assembled Monolayers (SAMs) on Gold:A Comparison of SAMs Derived from Normal and Spiroalkanedithiols. *Langmuir*, **2000**, 16, 2220-2224	4	144
10	Spiroalkanedithiol-Based SAMs Reveal Unique Insight into the Wettabilities and Frictional Properties of Organic Thin Films. *Journal of the American Chemical Society*, **2000**, 122, 7556-7563	16.4	138
9	The Adsorption of Unsymmetrical Spiroalkanedithiols onto Gold Affords Multi-Component Interfaces that Are Homogeneously Mixed at the Molecular Level. *Journal of the American Chemical Society*, **2000**, 122, 1278-1281	16.4	61

8	A Steady-State Kinetic Model Can Be Used to Describe the Growth of Self-Assembled Monolayers (SAMs) on Gold. *Journal of Physical Chemistry B*, **2000**, 104, 8182-8191	3.4	32
7	Fullerene-Terminated Alkanethiolate SAMs on Gold Generated from Unsymmetrical Disulfides. *Langmuir*, **1999**, 15, 5329-5332	4	55
6	Chelating Self-Assembled Monolayers on Gold Generated from Spiroalkanedithiols. *Langmuir*, **1999**, 15, 1136-1140	4	53
5	Self-Assembled Monolayers Derived from Bidentate Organosulfur Adsorbates. *Materials Research Society Symposia Proceedings*, **1999**, 576, 183		1
4	Fullerene pipes. *Science*, **1998**, 280, 1253-6	33.3	2866
3	Catalytic ring-closing olefin metathesis of sulfur-containing species: Heteroatom and other effects. *Tetrahedron Letters*, **1997**, 38, 1283-1286	2	86
2	Reduction of Azides to Amines with Borohydride Exchange Resin Nickel Acetate. *Synthetic Communications*, **1993**, 23, 3047-3053	1.7	29
1	Nanoparticle-Cored Dendrimers and Hyperbranched Polymers: Synthesis, Properties, and Applications	743-766	