

# Seol Ryu

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

666  
citations

759233

12  
h-index

677142

22  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1044  
citing authors

#	ARTICLE	IF	CITATIONS
1	Shape Adjustment between Multiply Twinned and Single-Crystalline Polyhedral Gold Nanocrystals: Decahedra, Icosahedra, and Truncated Tetrahedra. <i>Journal of Physical Chemistry C</i> , 2008, 112, 2469-2475.	3.1	232
2	Directed Surface Overgrowth and Morphology Control of Polyhedral Gold Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 763-767.	13.8	101
3	One-Dimensional Gold Nanostructures through Directed Anisotropic Overgrowth from Gold Decahedrons. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3449-3454.	3.1	53
4	Shape Evolution and Gram-Scale Synthesis of Gold@Silver Core-Shell Nanopolyhedrons. <i>Journal of Physical Chemistry C</i> , 2011, 115, 9417-9423.	3.1	49
5	Photofragmentation in selected tautomers of protonated adenine. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 291-295.	2.8	30
6	Nanografting: Modeling and Simulation. <i>Journal of the American Chemical Society</i> , 2006, 128, 11563-11573.	13.7	29
7	Phase of molecular ink in nanoscale direct deposition processes. <i>Journal of Chemical Physics</i> , 2006, 124, 024714.	3.0	28
8	Discrete Dipole Approximation Calculations of Optical Properties of Silver Nanorod Arrays in Porous Anodic Alumina. <i>Journal of Physical Chemistry C</i> , 2009, 113, 16321-16328.	3.1	19
9	<i>Ex Situ</i> and <i>In Situ</i> Surface Plasmon Monitoring of Temperature-Dependent Structural Evolution in Galvanic Replacement Reactions at a Single-Particle Level. <i>Journal of Physical Chemistry C</i> , 2015, 119, 20125-20135.	3.1	17
10	Density Functional Study of Intradimer Proton Transfers in Hydrated Adenine Dimer Ions, $A_2^{2+} \cdot (H_2O)_n$ ( $n = 0-2$ ). <i>Journal of Physical Chemistry A</i> , 2008, 112, 9023-9030.	2.5	16
11	Ag-Ag Heterometal Nanowires: Synthesis, Diameter Control, and Dual Transversal Modes with Diameter Dependency. <i>Journal of Physical Chemistry C</i> , 2010, 114, 12529-12534.	3.1	15
12	Molecular features of hydration layers probed by atomic force microscopy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 30492-30501.	2.8	14
13	Halide-Free and Bifunctional One-Component Catalysts for the Coupling of Carbon Dioxide and Epoxides. <i>Inorganic Chemistry</i> , 2019, 58, 5922-5931.	4.0	12
14	Photodissociation dynamics of adenine dimer radical ions and hydrated adenine dimer ions, $\langle \mathbf{r} \rangle$ . <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 12451-12461.	2.6	10
15	A Density Functional Study of Amine Catalysts for $CO_2$ Fixation into Cyclic Carbonates. <i>Bulletin of the Korean Chemical Society</i> , 2019, 40, 1033-1038.	1.9	7
16	Abnormal Hypsochromic Shifts of Surface Plasmon Scattering by Atomic Ordering in Gold-Copper Intermetallic Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2021, 125, 19936-19946.	3.1	7
17	Non-empirical atomistic dipole-interaction-model for quantum plasmon simulation of nanoparticles. <i>Scientific Reports</i> , 2017, 7, 15775.	3.3	6
18	An efficient determination of the critical temperature of the Blume-Capel model. <i>Journal of the Korean Physical Society</i> , 2013, 62, 861-865.	0.7	5

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19	Reliability of using a joint density of states reconstructed with a histogram. Journal of the Korean Physical Society, 2013, 62, 559-563.	0.7	5
20	Performance of Density Functionals for the Calculation of Gold Clusters. Bulletin of the Korean Chemical Society, 2011, 32, 2802-2804.	1.9	5
21	The role of hydrogen in the nitriding of anatase TiO <sub>2</sub> films in the N <sub>2</sub> -H <sub>2</sub> microwave afterglows. Surface and Coatings Technology, 2019, 364, 341-346.	4.8	4
22	Evidences for Different Reaction Sites for Dehydrogenation and Dehydration of Ethanol over Vanadia Supported on Titania. Bulletin of the Korean Chemical Society, 2019, 40, 489-495.	1.9	2
23	Non-catalytic-Region Mutations Conferring Transition of Class A $\beta$ -Lactamases Into ESBLs. Frontiers in Molecular Biosciences, 2020, 7, 598998.	3.5	0
24	Structures of Butylthiolate Self-Assembled Monolayers on Au(111) with Gold Adatoms. Bulletin of the Korean Chemical Society, 2011, 32, 3614-3617.	1.9	0
25	High Hydrogen Capacity and Reversibility of K-Decorated Silicon Materials. Bulletin of the Korean Chemical Society, 2012, 33, 1719-1721.	1.9	0