

# Sun Hee Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

1,634  
citations

516710

16  
h-index

477307

29  
g-index

29  
all docs

29  
docs citations

29  
times ranked

2878  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coordination tuning of cobalt phosphates towards efficient water oxidation catalyst. <i>Nature Communications</i> , 2015, 6, 8253.	12.8	352
2	Hydrated Manganese(II) Phosphate ( $\text{Mn}_3(\text{PO}_4)_2 \cdot 3\text{H}_2\text{O}$ ) as a Water Oxidation Catalyst. <i>Journal of the American Chemical Society</i> , 2014, 136, 7435-7443.	13.7	324
3	Mechanistic Investigation of Water Oxidation Catalyzed by Uniform, Assembled MnO Nanoparticles. <i>Journal of the American Chemical Society</i> , 2017, 139, 2277-2285.	13.7	133
4	$\text{Mn}_5\text{O}_8$ Nanoparticles as Efficient Water Oxidation Catalysts at Neutral pH. <i>ACS Catalysis</i> , 2015, 5, 4624-4628.	11.2	123
5	Identification of Single-Atom Ni Site Active toward Electrochemical $\text{CO}_2$ Conversion to CO. <i>Journal of the American Chemical Society</i> , 2021, 143, 925-933.	13.7	107
6	Partially Oxidized Sub-10 nm MnO Nanocrystals with High Activity for Water Oxidation Catalysis. <i>Scientific Reports</i> , 2015, 5, 10279.	3.3	99
7	Reversible O-O Bond Cleavage and Formation between Mn(IV)-Peroxo and Mn(V)-Oxo Corroles. <i>Journal of the American Chemical Society</i> , 2010, 132, 14030-14032.	13.7	81
8	Enzyme Mimetic Active Intermediates for Nitrate Reduction in Neutral Aqueous Media. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9744-9750.	13.8	77
9	Selective Electrocatalytic Reduction of Nitrite to Dinitrogen Based on Decoupled Proton-Electron Transfer. <i>Journal of the American Chemical Society</i> , 2018, 140, 1012-1015.	13.7	56
10	Mechanistic Insights into Tunable Metal-Mediated Hydrolysis of Amyloid- $\beta$ Peptides. <i>Journal of the American Chemical Society</i> , 2017, 139, 2234-2244.	13.7	55
11	34-GHz Pulsed ENDOR Characterization of the Copper Coordination of an Amyloid- $\beta$ Peptide Relevant to Alzheimer's Disease. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1139-1142.	13.8	37
12	Structural and Conformational Dynamics of Self-Assembling Bioactive $\beta$ -Sheet Peptide Nanostructures Decorated with Multivalent RNA-Binding Peptides. <i>Journal of the American Chemical Society</i> , 2012, 134, 16047-16053.	13.7	22
13	Spectroscopic capture of a low-spin Mn(IV)-oxo species in $\text{Mn}_3\text{O}_4$ nanoparticles during water oxidation catalysis. <i>Nature Communications</i> , 2020, 11, 5230.	12.8	21
14	Enhanced Redox Reactivity of a Nonheme Iron(V)-Oxo Complex Binding Proton. <i>Journal of the American Chemical Society</i> , 2020, 142, 15305-15319.	13.7	20
15	Atomic-scale evidence for highly selective electrocatalytic N-N coupling on metallic $\text{MoS}_2$ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31631-31638.	7.1	18
16	Enzyme Mimetic Active Intermediates for Nitrate Reduction in Neutral Aqueous Media. <i>Angewandte Chemie</i> , 2020, 132, 9831-9837.	2.0	13
17	An Isolable Mononuclear Palladium(I) Amido Complex. <i>Journal of the American Chemical Society</i> , 2021, 143, 10751-10759.	13.7	11
18	Multi-Frequency, Multi-Technique Pulsed EPR Investigation of the Copper Binding Site of Murine Amyloid $\beta$ Peptide. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1561-1564.	13.8	10

#	ARTICLE	IF	CITATIONS
19	Stereochemistry of metal tetramethylcyclam complexes directed by an unexpected anion effect. Dalton Transactions, 2017, 46, 13166-13170.	3.3	10
20	Formation of a tris(catecholato) iron(iii) complex with a nature-inspired cyclic peptoid ligand. Dalton Transactions, 2021, 50, 3459-3463.	3.3	8
21	EPR spectroscopy elucidates the electronic structure of [Fe <sup>V</sup> (O)(TAML)] complexes. Inorganic Chemistry Frontiers, 2021, 8, 3775-3783.	6.0	6
22	EPR-derived structures of flavin radical and iron-sulfur clusters from <i>Methylosinus sporium</i> 5 reductase. Inorganic Chemistry Frontiers, 2021, 8, 1279-1289.	6.0	5
23	Investigation of the Hydration State of Self-Assembled Peptide Nanostructures with Advanced Electron Paramagnetic Resonance Spectroscopy. ACS Omega, 2019, 4, 114-120.	3.5	4
24	Advanced Electron Paramagnetic Resonance Studies of a Ternary Complex of Copper, Amyloid- $\beta^2$ , and a Chemical Regulator. Inorganic Chemistry, 2018, 57, 12665-12670.	4.0	3
25	Probing the Structure and Binding Mode of EDTA on the Surface of Mn <sub>3</sub> O <sub>4</sub> Nanoparticles for Water Oxidation by Advanced Electron Paramagnetic Resonance Spectroscopy. Inorganic Chemistry, 2020, 59, 8846-8854.	4.0	2
26	Axial Redox Tuning at a Tetragonal Cobalt Center. Inorganic Chemistry, 2021, 60, 5647-5659.	4.0	2