

# Dong Heon Nam

## List of Publications by Year in descending order

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28  
papers

1,721  
citations

304743

22  
h-index

434195

31  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1946  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoelectrochemical Reduction of Carbon Dioxide to Methanol through a Highly Efficient Enzyme Cascade. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3827-3832.	13.8	231
2	Rational Design and Engineering of Quantum-Dot-Sensitized TiO <sub>2</sub> Nanotube Arrays for Artificial Photosynthesis. <i>Advanced Materials</i> , 2011, 23, 1883-1888.	21.0	147
3	Solar-driven reduction of aqueous CO <sub>2</sub> with a cobalt bis(terpyridine)-based photocathode. <i>Nature Catalysis</i> , 2019, 2, 354-365.	34.4	145
4	Nanobiocatalytic assemblies for artificial photosynthesis. <i>Current Opinion in Biotechnology</i> , 2014, 28, 1-9.	6.6	114
5	Eosin Y-Sensitized Artificial Photosynthesis by Highly Efficient Visible-Light-Driven Regeneration of Nicotinamide Cofactor. <i>ChemBioChem</i> , 2009, 10, 1621-1624.	2.6	93
6	Solar Water Splitting with a Hydrogenase Integrated in Photoelectrochemical Tandem Cells. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10595-10599.	13.8	93
7	Screening Xanthene Dyes for Visible Light-Driven Nicotinamide Adenine Dinucleotide Regeneration and Photoenzymatic Synthesis. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 2589-2594.	4.3	91
8	Photoelectrocatalytic H <sub>2</sub> evolution in water with molecular catalysts immobilised on p-Si via a stabilising mesoporous TiO <sub>2</sub> interlayer. <i>Chemical Science</i> , 2017, 8, 5172-5180.	7.4	85
9	Cofactor-Free Light-Driven Whole-Cell Cytochrome P450 Catalysis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 969-973.	13.8	83
10	Photoenzymatic synthesis through sustainable NADH regeneration by SiO <sub>2</sub> -supported quantum dots. <i>Chemical Communications</i> , 2011, 47, 4643.	4.1	74
11	CdTe, CdSe, and CdS Nanocrystals for Highly Efficient Regeneration of Nicotinamide Cofactor Under Visible Light. <i>Small</i> , 2010, 6, 922-926.	10.0	72
12	Enzymatic photosynthesis of formate from carbon dioxide coupled with highly efficient photoelectrochemical regeneration of nicotinamide cofactors. <i>Green Chemistry</i> , 2016, 18, 5989-5993.	9.0	69
13	Self-Assembly of Metalloporphyrins into Light-Harvesting Peptide Nanofiber Hydrogels for Solar Water Oxidation. <i>Small</i> , 2014, 10, 1272-1277.	10.0	53
14	Visible Light-Driven NADH Regeneration Sensitized by Proflavine for Biocatalysis. <i>ChemBioChem</i> , 2012, 13, 1278-1282.	2.6	52
15	Photoelectrochemical Reduction of Carbon Dioxide to Methanol through a Highly Efficient Enzyme Cascade. <i>Angewandte Chemie</i> , 2017, 129, 3885-3890.	2.0	44
16	Biocatalytic Photosynthesis with Water as an Electron Donor. <i>Chemistry - A European Journal</i> , 2014, 20, 12020-12025.	3.3	42
17	Sunlight-assisted, biocatalytic formate synthesis from CO <sub>2</sub> and water using silicon-based photoelectrochemical cells. <i>Chemical Communications</i> , 2016, 52, 9723-9726.	4.1	42
18	Silicon Nanowire Photocathodes for Light-Driven Electroenzymatic Synthesis. <i>ChemSusChem</i> , 2014, 7, 3007-3011.	6.8	26

#	ARTICLE	IF	CITATIONS
19	Near-Infrared-Light-Driven Artificial Photosynthesis by Nanobiocatalytic Assemblies. <i>Chemistry - A European Journal</i> , 2014, 20, 3584-3588.	3.3	25
20	New Platform for Cytochrome P450 Reaction Combining in Situ Immobilization on Biopolymer. <i>Bioconjugate Chemistry</i> , 2014, 25, 2101-2104.	3.6	24
21	Water oxidation-coupled, photoelectrochemical redox biocatalysis toward mimicking natural photosynthesis. <i>Applied Catalysis B: Environmental</i> , 2016, 198, 311-317.	20.2	23
22	Solar Water Splitting with a Hydrogenase Integrated in Photoelectrochemical Tandem Cells. <i>Angewandte Chemie</i> , 2018, 130, 10755-10759.	2.0	16
23	Solar-to-chemical conversion platform by Robust Cytochrome P450-P(3HB) complex. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 33, 28-32.	5.8	14
24	Titelbild: Photoelectrochemical Reduction of Carbon Dioxide to Methanol through a Highly Efficient Enzyme Cascade ( <i>Angew. Chem.</i> 14/2017). <i>Angewandte Chemie</i> , 2017, 129, 3779-3779.	2.0	3
25	Artificial Photosynthesis: Rational Design and Engineering of Quantum-Dot-Sensitized TiO <sub>2</sub> Nanotube Arrays for Artificial Photosynthesis ( <i>Adv. Mater.</i> 16/2011). <i>Advanced Materials</i> , 2011, 23, 1882-1882.	21.0	1
26	Titelbild: Redox Cofactor from Biological Energy Transduction as Molecularly Tunable Energy-Storage Compound ( <i>Angew. Chem.</i> 32/2013). <i>Angewandte Chemie</i> , 2013, 125, 8329-8329.	2.0	1
27	Inside Cover: Visible Light-Driven NADH Regeneration Sensitized by Proflavine for Biocatalysis ( <i>ChemBioChem</i> 9/2012). <i>ChemBioChem</i> , 2012, 13, 1218-1218.	2.6	0
28	Rücktitelbild: Cofactor-Free Light-Driven Whole-Cell Cytochrome P450 Catalysis ( <i>Angew. Chem.</i> )	2.0	0