

# Kenji Iwahori

## List of Publications by Year in descending order

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32  
papers

1,795  
citations

304743

22  
h-index

434195

31  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1587  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of ZnSe Nanoparticles in the Apoferritin Cavity by Designing a Slow Chemical Reaction System. <i>Inorganic Chemistry</i> , 2005, 44, 6393-6400.	4.0	203
2	Fabrication of nickel and chromium nanoparticles using the protein cage of apoferritin. <i>Biotechnology and Bioengineering</i> , 2003, 84, 187-194.	3.3	193
3	Ferritin in the field of nanodevices. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010, 1800, 846-857.	2.4	155
4	Circularly Polarized Luminescent CdS Quantum Dots Prepared in a Protein Nanocage. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7006-7009.	13.8	152
5	Endowing a Ferritin-Like Cage Protein with High Affinity and Selectivity for Certain Inorganic Materials. <i>Small</i> , 2005, 1, 826-832.	10.0	120
6	Mechanism Underlying Specificity of Proteins Targeting Inorganic Materials. <i>Nano Letters</i> , 2006, 6, 515-519.	9.1	118
7	Synthesis of Co <sub>3</sub> O <sub>4</sub> Nanoparticles Using the Cage-Shaped Protein, Apoferritin. <i>Bulletin of the Chemical Society of Japan</i> , 2005, 78, 2075-2081.	3.2	86
8	Realizing a Two-Dimensional Ordered Array of Ferritin Molecules Directly on a Solid Surface Utilizing Carbonaceous Material Affinity Peptides. <i>Langmuir</i> , 2007, 23, 1615-1618.	3.5	76
9	Electrostatic placement of single ferritin molecules. <i>Applied Physics Letters</i> , 2006, 88, 153103.	3.3	70
10	Cadmium Sulfide Nanoparticle Synthesis in Dps Protein from <i>Listeria innocua</i> . <i>Chemistry of Materials</i> , 2007, 19, 3105-3111.	6.7	60
11	Ferritin as a bionano-particulate emulsifier. <i>Journal of Colloid and Interface Science</i> , 2009, 338, 222-228.	9.4	54
12	Fabrication of Gold Sulfide Nanoparticles Using the Protein Cage of Apoferritin. <i>Chemistry Letters</i> , 2006, 35, 1192-1193.	1.3	49
13	Critical Amino Acid Residues for the Specific Binding of the Ti-Recognizing Recombinant Ferritin with Oxide Surfaces of Titanium and Silicon. <i>Langmuir</i> , 2009, 25, 10901-10906.	3.5	48
14	Janus-like Protein Cages. Spatially Controlled Dual-Functional Surface Modifications of Protein Cages. <i>Nano Letters</i> , 2009, 9, 2360-2366.	9.1	47
15	Bio-templated CdSe nanoparticle synthesis in a cage shaped protein, <i>Listeria-Dps</i> , and their two dimensional ordered array self-assembly. <i>Chemical Communications</i> , 2010, 46, 8797.	4.1	47
16	Ferrous Iron-Dependent Volatilization of Mercury by the Plasma Membrane of <i>Thiobacillus ferrooxidans</i> . <i>Applied and Environmental Microbiology</i> , 2000, 66, 3823-3827.	3.1	45
17	Bio-template Synthesis of Nanoparticle by Cage-shaped Protein Supramolecule, Apoferritin. <i>Journal of Cluster Science</i> , 2007, 18, 358-370.	3.3	35
18	A size controlled synthesis of CuS nano-particles in the protein cage, apoferritin. <i>Materials Letters</i> , 2011, 65, 3245-3247.	2.6	31

#	ARTICLE	IF	CITATIONS
19	Effect of N-terminal Residues on the Structural Stability of Recombinant Horse L-chain Apoferritin in an Acidic Environment. <i>Journal of Biochemistry</i> , 2007, 142, 707-713.	1.7	29
20	Isolation and some properties of <i>Thiobacillus ferrooxidans</i> strains with differing levels of mercury resistance from natural environments. <i>Journal of Bioscience and Bioengineering</i> , 1999, 88, 387-392.	2.2	26
21	Direct Production of a Two-Dimensional Ordered Array of Ferritin-Nanoparticles on a Silicon Substrate. <i>Japanese Journal of Applied Physics</i> , 2007, 46, L713.	1.5	25
22	Isolation and Some Properties of Cytochrome c Oxidase Purified from a Bisulfite Ion Resistant <i>Thiobacillus ferrooxidans</i> Strain, OK1-50. <i>Bioscience, Biotechnology and Biochemistry</i> , 1998, 62, 1081-1086.	1.3	23
23	The optimization of CdSe nanoparticles synthesis in the apoferritin cavity. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 2658-2661.	1.8	17
24	Cytochrome c Oxidase Purified from a Mercury-Resistant Strain of <i>Acidithiobacillus ferrooxidans</i> Volatilizes Mercury.. <i>Journal of Bioscience and Bioengineering</i> , 2001, 92, 44-49.	2.2	16
25	Cytochrome c oxidase purified from a mercury-resistant strain of <i>Acidithiobacillus ferrooxidans</i> volatilizes mercury. <i>Journal of Bioscience and Bioengineering</i> , 2001, 92, 44-49.	2.2	13
26	Dispersed Gold Nanoparticle Array Produced by Apoferritins Utilizing Biomineralization and Chemical Conversion. <i>ACS Omega</i> , 2017, 2, 1424-1430.	3.5	8
27	Synthesizing CdSe nanoparticles by using a low concentration of cadmium ions and the apoferritin protein cage of marine pennate diatoms. <i>Materials Letters</i> , 2015, 160, 154-157.	2.6	6
28	Fabrication of $\text{In}_2\text{O}_3$ Oxide Semiconductor Nano-Particles Using Apoferritin. <i>Materials Research Society Symposia Proceedings</i> , 2005, 873, 1.	0.1	5
29	Solid-phase PEGylation of an immobilized protein cage on polyelectrolyte multilayer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 113, 338-345.	5.0	3
30	Silicon-Dioxide-Specific Peptides for Biological Nanofabrication: Selecting Aptamers for Target-Specific Ferritin Supramolecule Delivery. <i>IEEE Nanotechnology Magazine</i> , 2019, 13, 43-48.	1.3	1
31	Fabrication of Semiconductor Nano-particles in the Protein Cage of Apoferritin. <i>Materials Research Society Symposia Proceedings</i> , 2005, 873, 1.	0.1	0
32	1P-307 Synthesis of ZnS compound semiconductor nano-particle in an apoferritin cavity(The 46th) Tj ETQq0 0 0 rgBTj/Overlock 10 Tf 50	0.1	0