Kenji Iwahori

List of Publications by Year
in descending order

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32	1,795	304743 22	434195 31
papers	citations	h-index	g-index

35	35	35	1587
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Silicon-Dioxide-Specific Peptides for Biological Nanofabrication: Selecting Aptamers for Target-Specific Ferritin Supramolecule Delivery. IEEE Nanotechnology Magazine, 2019, 13, 43-48.	1.3	1
2	Dispersed Gold Nanoparticle Array Produced by Apoferritins Utilizing Biomineralization and Chemical Conversion. ACS Omega, 2017, 2, 1424-1430.	3.5	8
3	Synthesizing CdSe nanoparticles by using a low concentration of cadmium ions and the apoferritin protein cage of marine pennate diatoms. Materials Letters, 2015, 160, 154-157.	2.6	6
4	Solid-phase PEGylation of an immobilized protein cage on polyelectrolyte multilayer. Colloids and Surfaces B: Biointerfaces, 2014, 113, 338-345.	5.0	3
5	A size controlled synthesis of CuS nano-particles in the protein cage, apoferritin. Materials Letters, 2011, 65, 3245-3247.	2.6	31
6	Circularly Polarized Luminescent CdS Quantum Dots Prepared in a Protein Nanocage. Angewandte Chemie - International Edition, 2010, 49, 7006-7009.	13.8	152
7	Ferritin in the field of nanodevices. Biochimica Et Biophysica Acta - General Subjects, 2010, 1800, 846-857.	2.4	155
8	Bio-templated CdSe nanoparticle synthesis in a cage shaped protein, Listeria-Dps, and their two dimensional ordered array self-assembly. Chemical Communications, 2010, 46, 8797.	4.1	47
9	Ferritin as a bionano-particulate emulsifier. Journal of Colloid and Interface Science, 2009, 338, 222-228.	9.4	54
10	Janus-like Protein Cages. Spatially Controlled Dual-Functional Surface Modifications of Protein Cages. Nano Letters, 2009, 9, 2360-2366.	9.1	47
11	Critical Amino Acid Residues for the Specific Binding of the Ti-Recognizing Recombinant Ferritin with Oxide Surfaces of Titanium and Silicon. Langmuir, 2009, 25, 10901-10906.	3.5	48
12	1P-307 Synthesis of ZnS compound semiconductor nano-particle in an apoferritin cavity(The 46th) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.1	0
13	Direct Production of a Two-Dimensional Ordered Array of Ferritin-Nanoparticles on a Silicon Substrate. Japanese Journal of Applied Physics, 2007, 46, L713.	1.5	25
14	Effect of N-terminal Residues on the Structural Stability of Recombinant Horse L-chain Apoferritin in an Acidic Environment. Journal of Biochemistry, 2007, 142, 707-713.	1.7	29
15	Cadmium Sulfide Nanoparticle Synthesis in Dps Protein fromListeriainnocua. Chemistry of Materials, 2007, 19, 3105-3111.	6.7	60
16	Realizing a Two-Dimensional Ordered Array of Ferritin Molecules Directly on a Solid Surface Utilizing Carbonaceous Material Affinity Peptides. Langmuir, 2007, 23, 1615-1618.	3.5	76
17	Bio-template Synthesis of Nanoparticle by Cage-shaped Protein Supramolecule, Apoferritin. Journal of Cluster Science, 2007, 18, 358-370.	3.3	35
18	Mechanism Underlying Specificity of Proteins Targeting Inorganic Materials. Nano Letters, 2006, 6, 515-519.	9.1	118

#	Article	IF	Citations
19	Fabrication of Gold Sulfide Nanoparticles Using the Protein Cage of Apoferritin. Chemistry Letters, 2006, 35, 1192-1193.	1.3	49
20	The optimization of CdSe nanoparticles synthesis in the apoferritin cavity. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 2658-2661.	1.8	17
21	Electrostatic placement of single ferritin molecules. Applied Physics Letters, 2006, 88, 153103.	3.3	70
22	Fabrication of ZnSe Nanoparticles in the Apoferritin Cavity by Designing a Slow Chemical Reaction System. Inorganic Chemistry, 2005, 44, 6393-6400.	4.0	203
23	Endowing a Ferritin-Like Cage Protein with High Affinity and Selectivity for Certain Inorganic Materials. Small, 2005, 1, 826-832.	10.0	120
24	Synthesis of Co3O4Nanoparticles Using the Cage-Shaped Protein, Apoferritin. Bulletin of the Chemical Society of Japan, 2005, 78, 2075-2081.	3.2	86
25	Fabrication of Semiconductor Nano-particles in the Protein Cage of Apoferritin. Materials Research Society Symposia Proceedings, 2005, 873, 1.	0.1	0
26	Fabrication of In₂O₃ Oxide Semiconductor Nano-Particles Using Apoferritin. Materials Research Society Symposia Proceedings, 2005, 873, 1.	0.1	5
27	Fabrication of nickel and chromium nanoparticles using the protein cage of apoferritin. Biotechnology and Bioengineering, 2003, 84, 187-194.	3.3	193
28	Cytochrome c oxidase purified from a mercury-resistant strain of Acidithiobacillus ferrooxidans volatilizes mercury. Journal of Bioscience and Bioengineering, 2001, 92, 44-49.	2.2	13
29	Cytochrome c Oxidase Purified from a Mercury-Resistant Strain of Acidithiobacillus ferrooxidans Volatilizes Mercury.. Journal of Bioscience and Bioengineering, 2001, 92, 44-49.	2.2	16
30	Ferrous Iron-Dependent Volatilization of Mercury by the Plasma Membrane of Thiobacillus ferrooxidans. Applied and Environmental Microbiology, 2000, 66, 3823-3827.	3.1	45
31	Isolation and some properties of Thiobacillus ferrooxidans strains with differing levels of mercury resistance from natural environments. Journal of Bioscience and Bioengineering, 1999, 88, 387-392.	2.2	26
32	Isolation and Some Properties of CytochromecOxidase Purified from a Bisulfite Ion ResistantThiobacillus ferrooxidansStrain, OK1-50. Bioscience, Biotechnology and Biochemistry, 1998, 62, 1081-1086.	1.3	23