

# Trevor Douglas

## List of Publications by Year in descending order

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197  
papers

16,194  
citations

13827

67  
h-index

17546

121  
g-index

205  
all docs

205  
docs citations

205  
times ranked

11351  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetodendrimers allow endosomal magnetic labeling and in vivo tracking of stem cells. <i>Nature Biotechnology</i> , 2001, 19, 1141-1147.	9.4	1,016
2	Host-guest encapsulation of materials by assembled virus protein cages. <i>Nature</i> , 1998, 393, 152-155.	13.7	887
3	Inorganic-Organic Nanotube Composites from Template Mineralization of Tobacco Mosaic Virus. <i>Advanced Materials</i> , 1999, 11, 253-256.	11.1	698
4	Viruses: Making Friends with Old Foes. <i>Science</i> , 2006, 312, 873-875.	6.0	568
5	Biological Containers: Protein Cages as Multifunctional Nanoplatforms. <i>Advanced Materials</i> , 2007, 19, 1025-1042.	11.1	518
6	Protein Engineering of a Viral Cage for Constrained Nanomaterials Synthesis. <i>Advanced Materials</i> , 2002, 14, 415-418.	11.1	365
7	Targeting of Cancer Cells with Ferrimagnetic Ferritin Cage Nanoparticles. <i>Journal of the American Chemical Society</i> , 2006, 128, 16626-16633.	6.6	359
8	Synthesis and Structure of an Iron(III) Sulfide-Ferritin Bioinorganic Nanocomposite. <i>Science</i> , 1995, 269, 54-57.	6.0	293
9	Nanophase Cobalt Oxyhydroxide Mineral Synthesized within the Protein Cage of Ferritin. <i>Inorganic Chemistry</i> , 2000, 39, 1828-1830.	1.9	278
10	Nanoreactors by Programmed Enzyme Encapsulation Inside the Capsid of the Bacteriophage P22. <i>ACS Nano</i> , 2012, 6, 5000-5009.	7.3	238
11	Classical and quantum magnetic phenomena in natural and artificial ferritin proteins. <i>Science</i> , 1995, 268, 77-80.	6.0	236
12	Plant Viruses as Biotemplates for Materials and Their Use in Nanotechnology. <i>Annual Review of Phytopathology</i> , 2008, 46, 361-384.	3.5	233
13	From The Cover: The structure of a thermophilic archaeal virus shows a double-stranded DNA viral capsid type that spans all domains of life. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 7716-7720.	3.3	219
14	Encapsulation of an Enzyme Cascade within the Bacteriophage P22 Virus-Like Particle. <i>ACS Chemical Biology</i> , 2014, 9, 359-365.	1.6	213
15	The ferritin superfamily: Supramolecular templates for materials synthesis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010, 1800, 834-845.	1.1	210
16	Biomimetic Synthesis and Characterization of Magnetic Proteins (Magnetoferritin). <i>Chemistry of Materials</i> , 1998, 10, 279-285.	3.2	204
17	Paramagnetic viral nanoparticles as potential high-relaxivity magnetic resonance contrast agents. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 807-812.	1.9	198
18	Virus Particles as Templates for Materials Synthesis. <i>Advanced Materials</i> , 1999, 11, 679-681.	11.1	189

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19	Synthesis and Characterization of Soluble Iron Oxide-Dendrimer Composites. <i>Chemistry of Materials</i> , 2001, 13, 2201-2209.	3.2	189
20	Reconstitution of manganese oxide cores in horse spleen and recombinant ferritins. <i>Journal of Inorganic Biochemistry</i> , 1995, 58, 59-68.	1.5	187
21	Protein Cage Constrained Synthesis of Ferrimagnetic Iron Oxide Nanoparticles. <i>Advanced Materials</i> , 2002, 14, 1562-1565.	11.1	184
22	Self-assembling biomolecular catalysts for hydrogen production. <i>Nature Chemistry</i> , 2016, 8, 179-185.	6.6	170
23	The Small Heat Shock Protein Cage from <i>Methanococcus jannaschii</i> Is a Versatile Nanoscale Platform for Genetic and Chemical Modification. <i>Nano Letters</i> , 2003, 3, 1573-1576.	4.5	165
24	Preparation of Magnetically Labeled Cells for Cell Tracking by Magnetic Resonance Imaging. <i>Methods in Enzymology</i> , 2004, 386, 275-299.	0.4	164
25	Use of the interior cavity of the P22 capsid for site-specific initiation of atom-transfer radical polymerization with high-density cargo loading. <i>Nature Chemistry</i> , 2012, 4, 781-788.	6.6	163
26	Magnetoferritin: Characterization of a novel superparamagnetic MR contrast agent. <i>Journal of Magnetic Resonance Imaging</i> , 1994, 4, 497-505.	1.9	162
27	Constrained Synthesis of Cobalt Oxide Nanomaterials in the 12-Subunit Protein Cage from <i>Listeria innocua</i> . <i>Inorganic Chemistry</i> , 2003, 42, 6300-6305.	1.9	152
28	Calculated electrostatic gradients in recombinant human H-chain ferritin. <i>Protein Science</i> , 1998, 7, 1083-1091.	3.1	148
29	Genetically Programmed In Vivo Packaging of Protein Cargo and Its Controlled Release from Bacteriophage P22. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7425-7428.	7.2	147
30	Melanoma and Lymphocyte Cell-Specific Targeting Incorporated into a Heat Shock Protein Cage Architecture. <i>Chemistry and Biology</i> , 2006, 13, 161-170.	6.2	146
31	Protein cage assembly across multiple length scales. <i>Chemical Society Reviews</i> , 2018, 47, 3433-3469.	18.7	138
32	Bio-inspired Synthesis of Protein-Encapsulated CoPt Nanoparticles. <i>Advanced Functional Materials</i> , 2005, 15, 1489-1494.	7.8	136
33	A human ferritin iron oxide nano-composite magnetic resonance contrast agent. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 1073-1081.	1.9	134
34	Comparative Genomic Analysis of Hyperthermophilic Archaeal Fuselloviridae Viruses. <i>Journal of Virology</i> , 2004, 78, 1954-1961.	1.5	131
35	Viral capsids as MRI contrast agents. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 871-879.	1.9	120
36	Biomimetic Synthesis of a H <sub>2</sub> Catalyst Using a Protein Cage Architecture. <i>Nano Letters</i> , 2005, 5, 2306-2309.	4.5	119

#	ARTICLE	IF	CITATIONS
37	From The Cover: An archaeal antioxidant: Characterization of a Dps-like protein from <i>Sulfolobus solfataricus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 10551-10556.	3.3	114
38	Inducible Bronchus-Associated Lymphoid Tissue Elicited by a Protein Cage Nanoparticle Enhances Protection in Mice against Diverse Respiratory Viruses. <i>PLoS ONE</i> , 2009, 4, e7142.	1.1	113
39	Biodistribution studies of protein cage nanoparticles demonstrate broad tissue distribution and rapid clearance in vivo. <i>International Journal of Nanomedicine</i> , 2007, 2, 715-33.	3.3	111
40	2-D Array Formation of Genetically Engineered Viral Cages on Au Surfaces and Imaging by Atomic Force Microscopy. <i>Journal of the American Chemical Society</i> , 2003, 125, 10806-10807.	6.6	106
41	Human ferritin cages for imaging vascular macrophages. <i>Biomaterials</i> , 2011, 32, 1430-1437.	5.7	105
42	Virus-like particle nanoreactors: programmed encapsulation of the thermostable CelB glycosidase inside the P22 capsid. <i>Soft Matter</i> , 2012, 8, 10158.	1.2	100
43	Protein Cage Nanoparticles Bearing the LyP-1 Peptide for Enhanced Imaging of Macrophage-Rich Vascular Lesions. <i>ACS Nano</i> , 2011, 5, 2493-2502.	7.3	98
44	Biomimetic Antigenic Nanoparticles Elicit Controlled Protective Immune Response to Influenza. <i>ACS Nano</i> , 2013, 7, 3036-3044.	7.3	98
45	Targeting and Photodynamic Killing of a Microbial Pathogen Using Protein Cage Architectures Functionalized with a Photosensitizer. <i>Langmuir</i> , 2007, 23, 12280-12286.	1.6	97
46	Heterologous expression of the modified coat protein of Cowpea chlorotic mottle bromovirus results in the assembly of protein cages with altered architectures and function. <i>Journal of General Virology</i> , 2004, 85, 1049-1053.	1.3	96
47	Structural and Functional Studies of Archaeal Viruses. <i>Journal of Biological Chemistry</i> , 2009, 284, 12599-12603.	1.6	96
48	Particle Assembly and Ultrastructural Features Associated with Replication of the Lytic Archaeal Virus <i>Sulfolobus</i> Turreted Icosahedral Virus. <i>Journal of Virology</i> , 2009, 83, 5964-5970.	1.5	96
49	Molecular precursors for indium phosphide and synthesis of small III-V semiconductor clusters in solution. <i>Inorganic Chemistry</i> , 1991, 30, 594-596.	1.9	91
50	Synthetic Control over Magnetic Moment and Exchange Bias in All-Oxide Materials Encapsulated within a Spherical Protein Cage. <i>Journal of the American Chemical Society</i> , 2007, 129, 197-201.	6.6	91
51	Implementation of P22 Viral Capsids as Nanoplatforms. <i>Biomacromolecules</i> , 2010, 11, 2804-2809.	2.6	87
52	Characterization of the Archaeal Thermophile <i>Sulfolobus</i> Turreted Icosahedral Virus Validates an Evolutionary Link among Double-Stranded DNA Viruses from All Domains of Life. <i>Journal of Virology</i> , 2006, 80, 7625-7635.	1.5	86
53	Modular Self-Assembly of Protein Cage Lattices for Multistep Catalysis. <i>ACS Nano</i> , 2018, 12, 942-953.	7.3	86
54	Synthesis and Crystal Structure of a Phospholyl Anion. <i>Angewandte Chemie International Edition in English</i> , 1989, 28, 1367-1368.	4.4	85

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55	Photochemical Mineralization of Europium, Titanium, and Iron Oxyhydroxide Nanoparticles in the Ferritin Protein Cage. <i>Inorganic Chemistry</i> , 2008, 47, 2237-2239.	1.9	85
56	Transcriptome Analysis of Infection of the Archaeon <i>Sulfolobus solfataricus</i> with <i>Sulfolobus</i> Turreted Icosahedral Virus. <i>Journal of Virology</i> , 2008, 82, 4874-4883.	1.5	84
57	Biomedical and Catalytic Opportunities of Virus-Like Particles in Nanotechnology. <i>Advances in Virus Research</i> , 2017, 97, 1-60.	0.9	82
58	Iron and Cobalt Oxide and Metallic Nanoparticles Prepared from Ferritin. <i>Langmuir</i> , 2004, 20, 10283-10287.	1.6	80
59	Photocatalytic Synthesis of Copper Colloids from Cu(II) by the Ferrihydrite Core of Ferritin. <i>Inorganic Chemistry</i> , 2004, 43, 3441-3446.	1.9	79
60	Synthesis of a Cross-Linked Branched Polymer Network in the Interior of a Protein Cage. <i>Journal of the American Chemical Society</i> , 2009, 131, 4346-4354.	6.6	77
61	MATERIALS SCIENCE: A Bright Bio-Inspired Future. <i>Science</i> , 2003, 299, 1192-1193.	6.0	76
62	Biomimetic synthesis of $\text{TiO}_2$ inside a viral capsid. <i>Journal of Materials Chemistry</i> , 2008, 18, 3821.	6.7	75
63	Programmed Self-Assembly of an Active P22-Cas9 Nanocarrier System. <i>Molecular Pharmaceutics</i> , 2016, 13, 1191-1196.	2.3	73
64	A radical solution for the biosynthesis of the H-cluster of hydrogenase. <i>FEBS Letters</i> , 2006, 580, 363-367.	1.3	72
65	Coconfinement of Fluorescent Proteins: Spatially Enforced Communication of GFP and mCherry Encapsulated within the P22 Capsid. <i>Biomacromolecules</i> , 2012, 13, 3902-3907.	2.6	71
66	Virus movement maintains local virus population diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 19102-19107.	3.3	70
67	Something Old, Something New, Something Borrowed; How the Thermoacidophilic Archaeon <i>Sulfolobus solfataricus</i> Responds to Oxidative Stress. <i>PLoS ONE</i> , 2009, 4, e6964.	1.1	70
68	Controlled Assembly of Bifunctional Chimeric Protein Cages and Composition Analysis Using Noncovalent Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2008, 130, 16527-16529.	6.6	69
69	P22 Viral Capsids as Nanocomposite High-Relaxivity MRI Contrast Agents. <i>Molecular Pharmaceutics</i> , 2013, 10, 11-17.	2.3	69
70	Design of a VLP-nanovehicle for CYP450 enzymatic activity delivery. <i>Journal of Nanobiotechnology</i> , 2015, 13, 66.	4.2	67
71	Assembly of Multilayer Films Incorporating a Viral Protein Cage Architecture. <i>Langmuir</i> , 2006, 22, 8891-8896.	1.6	66
72	Symmetry Controlled, Genetic Presentation of Bioactive Proteins on the P22 Virus-like Particle Using an External Decoration Protein. <i>ACS Nano</i> , 2015, 9, 9134-9147.	7.3	66

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73	Development of virus-like particles for diagnostic and prophylactic biomedical applications. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2015, 7, 722-735.	3.3	65
74	RGD-Conjugated Human Ferritin Nanoparticles for Imaging Vascular Inflammation and Angiogenesis in Experimental Carotid and Aortic Disease. <i>Molecular Imaging and Biology</i> , 2012, 14, 315-324.	1.3	64
75	A Streptavidin-Protein Cage Janus Particle for Polarized Targeting and Modular Functionalization. <i>Journal of the American Chemical Society</i> , 2009, 131, 9164-9165.	6.6	63
76	Structure of the DPS-Like Protein from <i>Sulfolobus solfataricus</i> Reveals a Bacterioferritin-Like Dimetal Binding Site within a DPS-Like Dodecameric Assembly. <i>Biochemistry</i> , 2006, 45, 10815-10827.	1.2	61
77	Cargo-shell and cargo-cargo couplings govern the mechanics of artificially loaded virus-derived cages. <i>Nanoscale</i> , 2016, 8, 9328-9336.	2.8	60
78	Photochemical Reactivity of Ferritin for Cr(VI) Reduction. <i>Chemistry of Materials</i> , 2002, 14, 4874-4879.	3.2	59
79	Hot crenarchaeal viruses reveal deep evolutionary connections. <i>Nature Reviews Microbiology</i> , 2006, 4, 520-528.	13.6	59
80	Supramolecular Protein Cage Composite MR Contrast Agents with Extremely Efficient Relaxivity Properties. <i>Nano Letters</i> , 2009, 9, 4520-4526.	4.5	59
81	High-Density Targeting of a Viral Multifunctional Nanoplatfrom to a Pathogenic, Biofilm-Forming Bacterium. <i>Chemistry and Biology</i> , 2007, 14, 387-398.	6.2	58
82	Synergistic Effects of Mutations and Nanoparticle Templating in the Self-Assembly of Cowpea Chlorotic Mottle Virus Capsids. <i>Nano Letters</i> , 2009, 9, 393-398.	4.5	57
83	Tailored delivery of analgesic ziconotide across a blood brain barrier model using viral nanocontainers. <i>Scientific Reports</i> , 2015, 5, 12497.	1.6	56
84	Structural transitions in Cowpea chlorotic mottle virus (CCMV). <i>Physical Biology</i> , 2005, 2, S166-S172.	0.8	54
85	Modular interior loading and exterior decoration of a virus-like particle. <i>Nanoscale</i> , 2017, 9, 10420-10430.	2.8	54
86	Synthesis and characterization of hydrophobic ferritin proteins. <i>Journal of Inorganic Biochemistry</i> , 1999, 76, 187-195.	1.5	52
87	Metal binding to cowpea chlorotic mottle virus using terbium(III) fluorescence. <i>Journal of Biological Inorganic Chemistry</i> , 2003, 8, 721-725.	1.1	52
88	Templated Assembly of a Functional Ordered Protein Macromolecular Framework from P22 Virus-like Particles. <i>ACS Nano</i> , 2018, 12, 3541-3550.	7.3	52
89	Viruslike Particles Encapsidating Respiratory Syncytial Virus M and M2 Proteins Induce Robust T Cell Responses. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 2324-2332.	2.6	50
90	Dps-like protein from the hyperthermophilic archaeon <i>Pyrococcus furiosus</i> . <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 1061-1068.	1.5	49

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91	Intracellular Distribution of Macrophage Targeting Ferritin-iron Oxide Nanocomposite. <i>Advanced Materials</i> , 2009, 21, 458-462.	11.1	48
92	Correlative Light-Electron Microscopy Shows RGD-Targeted ZnO Nanoparticles Dissolve in the Intracellular Environment of Triple Negative Breast Cancer Cells and Cause Apoptosis with Intratumor Heterogeneity. <i>Advanced Healthcare Materials</i> , 2016, 5, 1310-1325.	3.9	48
93	Influence of Electrostatic Interactions on the Surface Adsorption of a Viral Protein Cage. <i>Langmuir</i> , 2005, 21, 8686-8693.	1.6	47
94	Janus-like Protein Cages. Spatially Controlled Dual-Functional Surface Modifications of Protein Cages. <i>Nano Letters</i> , 2009, 9, 2360-2366.	4.5	47
95	Surface contribution to the anisotropy energy of spherical magnetite particles. <i>Journal of Applied Physics</i> , 2005, 97, 10B301.	1.1	44
96	Templated assembly of organic-inorganic materials using the core shell structure of the P22 bacteriophage. <i>Chemical Communications</i> , 2011, 47, 6326.	2.2	44
97	Ordered association of tobacco mosaic virus in the presence of divalent metal ions. <i>Journal of Inorganic Biochemistry</i> , 2001, 84, 233-240.	1.5	42
98	Classical and quantum magnetism in synthetic ferritin proteins. <i>Journal of Applied Physics</i> , 1996, 79, 5324.	1.1	41
99	Rescuing recombinant proteins by sequestration into the P22 VLP. <i>Chemical Communications</i> , 2013, 49, 10412-10414.	2.2	41
100	Location of the Bacteriophage P22 Coat Protein C-Terminus Provides Opportunities for the Design of Capsid-Based Materials. <i>Biomacromolecules</i> , 2013, 14, 2989-2995.	2.6	41
101	Magnetoferritin. <i>Investigative Radiology</i> , 1994, 29, S214-S216.	3.5	40
102	Monitoring Biomimetic Platinum Nanocluster Formation Using Mass Spectrometry and Cluster-Dependent H <sub>2</sub> Production. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7845-7848.	7.2	40
103	A click chemistry based coordination polymer inside small heat shock protein. <i>Chemical Communications</i> , 2010, 46, 264-266.	2.2	40
104	RGD targeting of human ferritin iron oxide nanoparticles enhances in vivo MRI of vascular inflammation and angiogenesis in experimental carotid disease and abdominal aortic aneurysm. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 1144-1153.	1.9	40
105	Synthetic Virus-like Particles for Glutathione Biosynthesis. <i>ACS Synthetic Biology</i> , 2020, 9, 3298-3310.	1.9	40
106	Site-Directed Coordination Chemistry with P22 Virus-like Particles. <i>Langmuir</i> , 2012, 28, 1998-2006.	1.6	38
107	Photo-induced H <sub>2</sub> production by [NiFe]-hydrogenase from <i>T. roseopersicina</i> covalently linked to a Ru(II) photosensitizer. <i>Journal of Inorganic Biochemistry</i> , 2012, 106, 151-155.	1.5	38
108	A Self-Adjuvanted, Modular, Antigenic VLP for Rapid Response to Influenza Virus Variability. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 18211-18224.	4.0	38

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109	Size and Crystallinity in Protein-Templated Inorganic Nanoparticles. <i>Chemistry of Materials</i> , 2010, 22, 4612-4618.	3.2	37
110	Tuning the catalytic properties of P22 nanoreactors through compositional control. <i>Nanoscale</i> , 2020, 12, 336-346.	2.8	37
111	Constructing catalytic antimicrobial nanoparticles by encapsulation of hydrogen peroxide producing enzyme inside the P22 VLP. <i>Journal of Materials Chemistry B</i> , 2014, 2, 5948.	2.9	36
112	Higher Order Assembly of Virus-like Particles (VLPs) Mediated by Multivalent Protein Linkers. <i>Small</i> , 2015, 11, 1562-1570.	5.2	36
113	Interligand Electron Transfer in Heteroleptic Ruthenium(II) Complexes Occurs on Multiple Time Scales. <i>Journal of Physical Chemistry A</i> , 2015, 119, 4813-4824.	1.1	36
114	Initial assessment of magnetoferritin biokinetics and proton relaxation enhancement in rats. <i>Academic Radiology</i> , 1995, 2, 871-878.	1.3	35
115	Sortase-Mediated Ligation as a Modular Approach for the Covalent Attachment of Proteins to the Exterior of the Bacteriophage P22 Virus-like Particle. <i>Bioconjugate Chemistry</i> , 2017, 28, 2114-2124.	1.8	35
116	Tuning Viral Capsid Nanoparticle Stability with Symmetrical Morphogenesis. <i>ACS Nano</i> , 2016, 10, 8465-8473.	7.3	34
117	Expanding the Temperature Range of Biomimetic Synthesis Using a Ferritin from the Hyperthermophile <i>Pyrococcus furiosus</i> . <i>Chemistry of Materials</i> , 2008, 20, 1541-1547.	3.2	32
118	Further Characterisation of Forms of Haemosiderin in Iron-Overloaded Tissues. <i>FEBS Journal</i> , 1994, 225, 187-194.	0.2	31
119	Some Enzymes Just Need a Space of Their Own. <i>Science</i> , 2010, 327, 42-43.	6.0	31
120	A virus-like particle vaccine platform elicits heightened and hastened local lung mucosal antibody production after a single dose. <i>Vaccine</i> , 2012, 30, 3653-3665.	1.7	31
121	Induction of Antiviral Immune Response through Recognition of the Repeating Subunit Pattern of Viral Capsids Is Toll-Like Receptor 2 Dependent. <i>MBio</i> , 2017, 8, .	1.8	31
122	Targeted Delivery of a Photosensitizer to <i>Aggregatibacter actinomycetemcomitans</i> Biofilm. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 2489-2496.	1.4	30
123	Cargo Retention inside P22 Virus-Like Particles. <i>Biomacromolecules</i> , 2018, 19, 3738-3746.	2.6	30
124	Modeling of the magnetic behavior of $\text{Fe}^{3+}$ -Fe <sub>2</sub> O <sub>3</sub> nanoparticles mineralized in ferritin. <i>Journal of Applied Physics</i> , 2004, 95, 7127-7129.	1.1	29
125	Determination of anisotropy constants of protein encapsulated iron oxide nanoparticles by electron magnetic resonance. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 175-180.	1.0	29
126	Stabilizing viral nano-reactors for nerve-agent degradation. <i>Biomaterials Science</i> , 2013, 1, 881.	2.6	29



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127	Molecular exclusion limits for diffusion across a porous capsid. <i>Nature Communications</i> , 2021, 12, 2903.	5.8	29
128	The archaeal Dps nanocage targets kidney proximal tubules via glomerular filtration. <i>Journal of Clinical Investigation</i> , 2019, 129, 3941-3951.	3.9	29
129	Virus-Like Particle-Induced Protection Against MRSA Pneumonia Is Dependent on IL-13 and Enhancement of Phagocyte Function. <i>American Journal of Pathology</i> , 2012, 181, 196-210.	1.9	28
130	Protein cage nanoparticles as secondary building units for the synthesis of 3-dimensional coordination polymers. <i>Soft Matter</i> , 2010, 6, 3167.	1.2	27
131	Structure and photoelectrochemistry of a virus capsid@TiO <sub>2</sub> nanocomposite. <i>Nanoscale</i> , 2011, 3, 1004-1007.	2.8	27
132	Proteomic Analysis of <i>Sulfolobus solfataricus</i> during <i>Sulfolobus</i> Turreted Icosahedral Virus Infection. <i>Journal of Proteome Research</i> , 2012, 11, 1420-1432.	1.8	26
133	Inducible Bronchus-Associated Lymphoid Tissue (iBALT) Synergizes with Local Lymph Nodes during Antiviral CD4 <sup>+</sup> T Cell Responses. <i>Lymphatic Research and Biology</i> , 2013, 11, 196-202.	0.5	26
134	Selective Biotemplated Synthesis of TiO <sub>2</sub> Inside a Protein Cage. <i>Biomacromolecules</i> , 2015, 16, 214-218.	2.6	26
135	Virus-Like Particles (VLPs) as a Platform for Hierarchical Compartmentalization. <i>Biomacromolecules</i> , 2020, 21, 2060-2072.	2.6	26
136	Atomic force microscopy of virus shells. <i>Biochemical Society Transactions</i> , 2017, 45, 499-511.	1.6	25
137	Virus capsid assembly across different length scales inspire the development of virus-based biomaterials. <i>Current Opinion in Virology</i> , 2019, 36, 38-46.	2.6	25
138	Biomimetic FePt nanoparticle synthesis within <i>Pyrococcus furiosus</i> ferritins and their layer-by-layer formation. <i>Soft Matter</i> , 2011, 7, 11078.	1.2	24
139	Correct charge state assignment of native electrospray spectra of protein complexes. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 435-442.	1.2	23
140	Atom transfer radical polymerization on the interior of the P22 capsid and incorporation of photocatalytic monomer crosslinks. <i>European Polymer Journal</i> , 2013, 49, 2976-2985.	2.6	23
141	Effects of Culturing on the Population Structure of a Hyperthermophilic Virus. <i>Microbial Ecology</i> , 2004, 48, 561-566.	1.4	22
142	Manganese(III) porphyrins complexed with P22 virus-like particles as T1-enhanced contrast agents for magnetic resonance imaging. <i>Journal of Biological Inorganic Chemistry</i> , 2014, 19, 237-246.	1.1	22
143	Immobilization of Active Hydrogenases by Encapsulation in Polymeric Porous Gels. <i>Nano Letters</i> , 2005, 5, 2085-2087.	4.5	21
144	Biomimetic synthesis of photoactive $\pm\text{Fe}_2\text{O}_3$ templated by the hyperthermophilic ferritin from <i>Pyrococcus furiosus</i> . <i>Journal of Materials Chemistry</i> , 2010, 20, 65-67.	6.7	21

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145	Co-localization of catalysts within a protein cage leads to efficient photochemical NADH and/or hydrogen production. <i>Journal of Materials Chemistry B</i> , 2016, 4, 5375-5384.	2.9	21
146	Linker-Mediated Assembly of Virus-Like Particles into Ordered Arrays via Electrostatic Control. <i>ACS Applied Bio Materials</i> , 2019, 2, 2192-2201.	2.3	21
147	Bioinspired Approaches to Self-Assembly of Virus-like Particles: From Molecules to Materials. <i>Accounts of Chemical Research</i> , 2022, 55, 1349-1359.	7.6	21
148	Mössbauer spectroscopic and magnetic studies of magnetoferritin. <i>Hyperfine Interactions</i> , 1994, 91, 847-851.	0.2	20
149	Characterization of the <i>Bacteroides fragilis</i> bfr Gene Product Identifies a Bacterial DPS-Like Protein and Suggests Evolutionary Links in the Ferritin Superfamily. <i>Journal of Bacteriology</i> , 2012, 194, 15-27.	1.0	20
150	Gadolinium-Loaded Viral Capsids as Magnetic Resonance Imaging Contrast Agents. <i>Applied Magnetic Resonance</i> , 2015, 46, 349-355.	0.6	20
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