

Hajime Mori

List of Publications by Year in descending order

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70
papers

2,174
citations

236925

25
h-index

233421

45
g-index

70
all docs

70
docs citations

70
times ranked

2491
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification and functional characterization of a sex pheromone receptor in the silkworm <i>Bombyx mori</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 16653-16658.	7.1	366
2	The molecular organization of cyovirus polyhedra. <i>Nature</i> , 2007, 446, 97-101.	27.8	168
3	Mechanisms involved in δ -aminolevulinic acid (ALA)-induced photosensitivity of tumor cells: Relation of ferrochelatase and uptake of ALA to the accumulation of protoporphyrin. <i>Biochemical Pharmacology</i> , 2005, 71, 42-49.	4.4	138
4	Cloning and expression of the gene of hemocytin, an insect humoral lectin which is homologous with the mammalian von Willebrand factor. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1995, 1260, 245-258.	2.4	113
5	Heme Positively Regulates the Expression of β -Globin at the Locus Control Region via the Transcriptional Factor Bach1 in Erythroid Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 5480-5487.	3.4	111
6	Expression of Japanese flounder c-type lysozyme cDNA in insect cells. <i>Developmental and Comparative Immunology</i> , 2001, 25, 439-445.	2.3	79
7	New silk protein: modification of silk protein by gene engineering for production of biomaterials. <i>Reviews in Molecular Biotechnology</i> , 2000, 74, 95-103.	2.8	72
8	The atomic structure of baculovirus polyhedra reveals the independent emergence of infectious crystals in DNA and RNA viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 22205-22210.	7.1	65
9	Molecular Characterization of <i>Bombyx mori</i> Cytoplasmic Polyhedrosis Virus Genome Segment 4. <i>Journal of Virology</i> , 2001, 75, 988-995.	3.4	61
10	Identification and functional analysis of Relish homologs in the silkworm, <i>Bombyx mori</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2007, 1769, 559-568.	2.4	55
11	High-Level Expression of Human Acidic Fibroblast Growth Factor and Basic Fibroblast Growth Factor in Silkworm (<i>Bombyx mori</i> L.) Using Recombinant Baculovirus. <i>Protein Expression and Purification</i> , 2001, 21, 192-200.	1.3	54
12	Structure-based targeting of bioactive proteins into cyovirus polyhedra and application to immobilized cytokines for mammalian cell culture. <i>Biomaterials</i> , 2009, 30, 4297-4308.	11.4	54
13	Immobilization of diverse foreign proteins in viral polyhedra and potential application for protein microarrays. <i>Proteomics</i> , 2006, 6, 54-66.	2.2	53
14	Crystal Engineering of Self-Assembled Porous Protein Materials in Living Cells. <i>ACS Nano</i> , 2017, 11, 2410-2419.	14.6	53
15	Secreted Frizzled Related Protein 4 Reduces Fibrosis Scar Size and Ameliorates Cardiac Function After Ischemic Injury. <i>Tissue Engineering - Part A</i> , 2010, 16, 3329-3341.	3.1	50
16	A novel Rel protein and shortened isoform that differentially regulate antibacterial peptide genes in the silkworm <i>Bombyx mori</i> . <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2005, 1730, 10-21.	2.4	48
17	Prothoracicotropic hormone is released five times in the 5th-larval instar of the silkworm, <i>Bombyx mori</i> . <i>Journal of Insect Physiology</i> , 1993, 39, 83-88.	2.0	35
18	Immobilization of Bioactive Fibroblast Growth Factor-2 into Cubic Proteinous Microcrystals (<i>Bombyx</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i> <i>Biological Chemistry</i> , 2007, 282, 17289-17296.	3.4	35

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19	COPI-mediated membrane trafficking is required for cytokinesis in <i>Drosophila</i> male meiotic divisions. <i>Journal of Cell Science</i> , 2012, 125, 3649-3660.	2.0	34
20	Fibroblast Growth Factor-2 Is an Important Factor that Maintains Cellular Immaturity and Contributes to Aggressiveness of Osteosarcoma. <i>Molecular Cancer Research</i> , 2012, 10, 454-468.	3.4	32
21	Design of Enzyme-Encapsulated Protein Containers by In Vivo Crystal Engineering. <i>Advanced Materials</i> , 2015, 27, 7951-7956.	21.0	32
22	The use of leukemia inhibitory factor immobilized on virus-derived polyhedra to support the proliferation of mouse embryonic and induced pluripotent stem cells. <i>Biomaterials</i> , 2011, 32, 3555-3563.	11.4	30
23	New and highly efficient method for silkworm transgenesis using <i>Autographa californica</i> nucleopolyhedrovirus and piggyBac transposable elements. <i>Biotechnology and Bioengineering</i> , 2004, 88, 849-853.	3.3	29
24	Photoactivatable CO release from engineered protein crystals to modulate NF- κ B activation. <i>Chemical Communications</i> , 2016, 52, 4545-4548.	4.1	28
25	Structure and Chemical Composition of Silk Proteins in Relation to Silkworm Diet. <i>Textile Research Journal</i> , 1995, 65, 755-759.	2.2	26
26	Transovarian Transmission of a Foreign Gene in the Silkworm, <i>Bombyx mori</i> , by <i>Autographa californica</i> Nuclear Polyhedrosis Virus. <i>Nature Biotechnology</i> , 1995, 13, 1005-1007.	17.5	25
27	Control of angiogenesis by VEGF and endostatin-encapsulated protein microcrystals and inhibition of tumor angiogenesis. <i>Biomaterials</i> , 2014, 35, 1326-1333.	11.4	23
28	Cypoviruses. , 1998, , 337-369.		23
29	Safety and efficacy of water-in-oil-in-water emulsion vaccines containing Newcastle disease virus haemagglutinin-neuraminidase glycoprotein. <i>Avian Pathology</i> , 2001, 30, 509-516.	2.0	21
30	Design of a CO-releasing Extracellular Scaffold Using in Vivo Protein Crystals. <i>Chemistry Letters</i> , 2015, 44, 342-344.	1.3	21
31	Bone regeneration by polyhedral microcrystals from silkworm virus. <i>Scientific Reports</i> , 2012, 2, 935.	3.3	20
32	Bioengineered silkworms with butterfly cytotoxin-modified silk glands produce sericin cocoons with a utility for a new biomaterial. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6740-6745.	7.1	18
33	Nondestructive micro-patterning of proteinous occlusion bodies in water by femtosecond laser-induced mechanical force. <i>Biomedical Microdevices</i> , 2007, 9, 105-111.	2.8	15
34	Relation between Antigen Release and Immune Response of Oil Adjuvanted Vaccines in Chickens.. <i>Journal of Veterinary Medical Science</i> , 2000, 62, 571-574.	0.9	13
35	Cell proliferation by silk gut incorporating FGF-2 protein microcrystals. <i>Scientific Reports</i> , 2015, 5, 11051.	3.3	13
36	Induction of a hemagglutinating activity in the hemolymph of the silkworm, <i>Bombyx mori</i> , infected with cytoplasmic polyhedrosis virus. <i>Journal of Invertebrate Pathology</i> , 1989, 54, 112-116.	3.2	12

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37	Sustained Neurotrophin Release from Protein Nanoparticles Mediated by Matrix Metalloproteinases Induces the Alignment and Differentiation of Nerve Cells. <i>Biomolecules</i> , 2019, 9, 510.	4.0	12
38	Laser trapping and patterning of protein microcrystals: Toward highly integrated protein microarrays. <i>Journal of Applied Physics</i> , 2004, 96, 2945-2948.	2.5	11
39	Alkaline Protease in Cytoplasmic Polyhedra of the Silkworm, <i>Bombyx mori</i> (Lepidoptera : Bombycidae). <i>Applied Entomology and Zoology</i> , 1983, 18, 342-350.	1.2	10
40	Supramolecular protein cages constructed from a crystalline protein matrix. <i>Chemical Communications</i> , 2018, 54, 1988-1991.	4.1	10
41	Isolation of cDNA clones coding for humoral lectin of silkworm, <i>Bombyx mori</i> , larvae. <i>Journal of Invertebrate Pathology</i> , 1992, 59, 40-45.	3.2	8
42	Chicken gizzard filamin, retina filamin and cgABP260 are respectively, smooth muscle-, non-muscle- and pan-muscle-type isoforms: Distribution and localization in muscles. <i>Cytoskeleton</i> , 2005, 61, 214-225.	4.4	8
43	Polyhedral microcrystals encapsulating bone morphogenetic protein 2 improve healing in the alveolar ridge. <i>Journal of Biomaterials Applications</i> , 2015, 30, 193-200.	2.4	8
44	Changes in kinetic parameters and total activity of midgut sucrase in the silkworm, <i>Bombyx mori</i> during larval-pupal-adult development. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1990, 96, 605-611.	0.2	7
45	<i>Bombyx mori</i> nucleopolyhedrovirus nucleic acid binding proteins BRO-B and BRO-E associate with host T-cell intracellular antigen 1 homologue BmTRN-1 to influence protein synthesis during infection. <i>Journal of General Virology</i> , 2015, 96, 1947-1956.	2.9	7
46	Surface Functionalization of Protein Crystals with Carbohydrate Using Site-selective Bioconjugation. <i>Chemistry Letters</i> , 2015, 44, 29-31.	1.3	6
47	Difference of proteins from inclusion bodies formed in the nucleus and cytoplasm of the cytoplasmic polyhedrosis virus-infected midgut in the silkworm, <i>Bombyx mori</i> . <i>Journal of Invertebrate Pathology</i> , 1987, 50, 26-32.	3.2	5
48	Induction of antibacterial activity in the haemolymph of the silkworm, <i>Bombyx mori</i> , by injection of formalin-treated <i>Escherichia coli</i> K-12 in the anterior and posterior body part of the ligated larvae. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1992, 101, 173-178.	0.2	5
49	Adjuvanticity and Inflammatory Response Following Administration of Water-in-Oil Emulsions Prepared with Saturated Hydrocarbons in Chickens.. <i>Journal of Veterinary Medical Science</i> , 2000, 62, 917-919.	0.9	5
50	Fluorescence Evaluation of Antigen-antibody Reactivity on Surface of Proteinaceous Occlusion Body: Toward Application in Reusable Protein Chip. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 323-327.	1.5	5
51	3D co-cultures of keratinocytes and melanocytes and cytoprotective effects on keratinocytes against reactive oxygen species by insect virus-derived protein microcrystals. <i>Materials Science and Engineering C</i> , 2014, 42, 64-69.	7.3	5
52	Structure of in cell protein crystals containing organometallic complexes. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 2986-2989.	2.8	5
53	Effects of transgenic silk materials that incorporate FGF γ protein microcrystals on the proliferation and differentiation of human keratinocytes. <i>FASEB BioAdvances</i> , 2020, 2, 734-744.	2.4	5
54	Transgenic Insects: Expressing Green Fluorescent Protein-Silk Fibroin Light Chain Fusion Protein in Transgenic Silkworms. , 2002, 183, 235-243.		4

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55	Antibacterial activity inducible in the haemolymph of the silkworm, <i>Bombyx mori</i> , by injection of formalin-treated <i>Escherichia coli</i> K-12 during the fifth larval instar and pharate adult development. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1992, 101, 165-171.	0.2	4
56	Bioengineered Silkworm for Producing Cocoons with High Fibroin Content for Regenerated Fibroin Biomaterial-Based Applications. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7433.	4.1	4
57	Raman spectroscopy insight into Norovirus encapsulation in <i>Bombyx mori</i> cypovirus cubic microcrystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 203, 19-30.	3.9	3
58	New method for immobilising diverse proteins onto cubic micro-protein polyhedrin crystals. <i>Protein Expression and Purification</i> , 2020, 167, 105531.	1.3	2
59	Yellowing of Cocoon Filament Obtained from Silkworm, <i>Bombyx mori</i> Reared on Artificial Diet Containing Tofu-Cake Powder.. <i>Journal of Fiber Science and Technology</i> , 1993, 49, 416-420.	0.0	2
60	Proliferation of mouse embryonic stem cells on substrate coated with intact silkworm sericin. <i>Journal of the Textile Institute</i> , 2022, 113, 2342-2351.	1.9	2
61	Isolation of three species of soluble sucrose from larval midgut of the silkworm, <i>Bombyx mori</i> and some kinetic properties. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1990, 97, 183-191.	0.2	1
62	Dyeing Behavior of Silk Proteins in Relation to Silkworm Diet. <i>Textile Research Journal</i> , 1999, 69, 825-828.	2.2	1
63	Molecular Characterization of a TIA-1-Like RNA-Binding Protein in Cells Derived from the Fall Armyworm <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae). <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 648-656.	1.3	1
64	Rapid and accurate method for isolation of recombinant baculovirus with an expanded host range. <i>Journal of Bioscience and Bioengineering</i> , 2010, 110, 66-68.	2.2	1
65	Process development for quantitation and vaccine efficacy assessment of recombinant hemagglutinin-neuraminidase. <i>Process Biochemistry</i> , 2020, 90, 204-214.	3.7	1
66	Inhibitory effects of intact silkworm sericin on bacterial proliferation. <i>Journal of the Textile Institute</i> , 2021, 112, 896-901.	1.9	1
67	Resistance to viral infection of silkworm larvae reared on artificial diet given once during the 1st to 3rd instars.. <i>Japanese Journal of Applied Entomology and Zoology</i> , 1989, 33, 9-11.	0.1	0
68	Oral immunization with <i>Escherichia coli</i> K-12 of the fifth instar larvae of the silkworm, <i>Bombyx mori</i> , reared on an artificial diet under completely aseptic conditions. <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1992, 101, 179-183.	0.2	0
69	Fabrication and Application of Protein Crystal Microarrays. <i>Materials Research Society Symposia Proceedings</i> , 2002, 735, 351.	0.1	0
70	Immobilization of Diverse Foreign Proteins in Insect Viral Polyhedra and Preparation of Protein Chip by Laser Fabrication. <i>The Review of Laser Engineering</i> , 2004, 32, 89-93.	0.0	0