

Hiroko Tabunoki

List of Publications by Year in descending order

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76
papers

2,521
citations

172207

29
h-index

205818

48
g-index

86
all docs

86
docs citations

86
times ranked

4039
citing authors

#	ARTICLE	IF	CITATIONS
1	Aberrant microRNA expression in the brains of neurodegenerative diseases: miRâ€29a decreased in Alzheimer disease brains targets neurone navigator 3. <i>Neuropathology and Applied Neurobiology</i> , 2010, 36, 320-330.	1.8	263
2	Characterization of a Novel C-Type Lectin, <i>Bombyx mori</i> Multibinding Protein, from the <i>B. mori</i> Hemolymph: Mechanism of Wide-Range Microorganism Recognition and Role in Immunity. <i>Journal of Immunology</i> , 2006, 177, 4594-4604.	0.4	122
3	Human astrocytes express aquaporin-1 and aquaporin-4 in vitro and in vivo. <i>Neuropathology</i> , 2007, 27, 245-256.	0.7	105
4	TDP-43 Dimerizes in Human Cells in Culture. <i>Cellular and Molecular Neurobiology</i> , 2010, 30, 641-652.	1.7	95
5	Isolation, Characterization, and cDNA Sequence of a Carotenoid Binding Protein from the Silk Gland of <i>Bombyx mori</i> Larvae. <i>Journal of Biological Chemistry</i> , 2002, 277, 32133-32140.	1.6	92
6	A carotenoid-binding protein (CBP) plays a crucial role in cocoon pigmentation of silkworm (<i>Bombyx</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.3	86
7	A Comprehensive Profile of ChIP-Seq-Based STAT1 Target Genes Suggests the Complexity of STAT1-Mediated Gene Regulatory Mechanisms. <i>Gene Regulation and Systems Biology</i> , 2013, 7, GRSB.S11433.	2.3	84
8	TROY and LINGO-1 expression in astrocytes and macrophages/microglia in multiple sclerosis lesions. <i>Neuropathology and Applied Neurobiology</i> , 2007, 33, 99-107.	1.8	74
9	Comprehensive analysis of human microRNA target networks. <i>BioData Mining</i> , 2011, 4, 17.	2.2	69
10	Protein microarray analysis identifies human cellular prion protein interactors. <i>Neuropathology and Applied Neurobiology</i> , 2009, 35, 16-35.	1.8	62
11	Molecular Network Analysis Suggests Aberrant CREB-Mediated Gene Regulation in the Alzheimer Disease Hippocampus. <i>Disease Markers</i> , 2009, 27, 239-252.	0.6	61
12	A cadherin-like protein functions as a receptor for <i>Bacillus thuringiensis</i> Cry1Aa and Cry1Ac toxins on midgut epithelial cells of <i>Bombyx mori</i> larvae. <i>FEBS Letters</i> , 2003, 538, 29-34.	1.3	59
13	Nasu-Hakola disease with a splicing mutation of TREM2 in a Japanese family. <i>European Journal of Neurology</i> , 2011, 18, 1179-1183.	1.7	57
14	Immunohistochemical characterization of microglia in Nasuâ€Hakola disease brains. <i>Neuropathology</i> , 2011, 31, 363-375.	0.7	56
15	Location of the <i>Bombyx mori</i> Aminopeptidase N Type 1 Binding Site on <i>Bacillus thuringiensis</i> Cry1Aa Toxin. <i>Applied and Environmental Microbiology</i> , 2005, 71, 3966-3977.	1.4	54
16	Gene Expression Profiling of Human Neural Progenitor Cells Following the Serum-Induced Astrocyte Differentiation. <i>Cellular and Molecular Neurobiology</i> , 2009, 29, 423-438.	1.7	53
17	Microarray analysis identifies a set of CXCR3 and CCR2 ligand chemokines as early IFNÎ²-responsive genes in peripheral blood lymphocytes in vitro: an implication for IFNÎ²-related adverse effects in multiple sclerosis. <i>BMC Neurology</i> , 2006, 6, 18.	0.8	52
18	Molecular Network Analysis of T-Cell Transcriptome Suggests Aberrant Regulation of Gene Expression by NF-Î²<i>Î²</i> B As a Biomarker for Relapse of Multiple Sclerosis. <i>Disease Markers</i> , 2008, 25, 27-35.	0.6	49

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19	Molecular network of the comprehensive multiple sclerosis brain-lesion proteome. <i>Multiple Sclerosis Journal</i> , 2009, 15, 531-541.	1.4	47
20	Identification of Key Uric Acid Synthesis Pathway in a Unique Mutant Silkworm <i>Bombyx mori</i> Model of Parkinson's Disease. <i>PLoS ONE</i> , 2013, 8, e69130.	1.1	42
21	Expression and localization of three G protein γ subunits, G α , G β , and G δ , in adult antennae of the silkworm (<i>Bombyx mori</i>). <i>Journal of Comparative Neurology</i> , 2005, 485, 143-152.	0.9	39
22	Molecular network analysis suggests aberrant CREB-mediated gene regulation in the Alzheimer disease hippocampus. <i>Disease Markers</i> , 2009, 27, 239-52.	0.6	39
23	Mechanism by which <i>Bombyx mori</i> hemocytes recognize microorganisms: direct and indirect recognition systems for PAMPs. <i>Developmental and Comparative Immunology</i> , 2006, 30, 867-877.	1.0	37
24	Can the silkworm (&i>Bombyx mori&i>) be used as a human disease model?. <i>Drug Discoveries and Therapeutics</i> , 2016, 10, 3-8.	0.6	37
25	Factors functioning in nodule melanization of insects and their mechanisms of accumulation in nodules. <i>Journal of Insect Physiology</i> , 2014, 60, 40-49.	0.9	36
26	Expression of the fructose receptor BmGr9 and its involvement in the promotion of feeding, suggested by its co-expression with neuropeptide F1 in <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2016, 75, 58-69.	1.2	36
27	Superoxide Dismutases, SOD1 and SOD2, Play a Distinct Role in the Fat Body during Pupation in Silkworm <i>Bombyx mori</i> . <i>PLoS ONE</i> , 2015, 10, e0116007.	1.1	35
28	Purification and cDNA cloning of a cecropin from the longicorn beetle, <i>Acalolepta luxuriosa</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2005, 142, 317-323.	0.7	32
29	Extracellular loop structures in silkworm ABCC transporters determine their specificities for <i>Bacillus thuringiensis</i> Cry toxins. <i>Journal of Biological Chemistry</i> , 2018, 293, 8569-8577.	1.6	31
30	Accumulation of a repulsive axonal guidance molecule RGMA in amyloid plaques: a possible hallmark of regenerative failure in Alzheimer's disease brains. <i>Neuropathology and Applied Neurobiology</i> , 2013, 39, 109-120.	1.8	30
31	Development of a new method for collecting hemolymph and measuring phenoloxidase activity in <i>Tribolium castaneum</i> . <i>BMC Research Notes</i> , 2019, 12, 7.	0.6	29
32	Characterization of the carotenoid-binding protein of the Y-gene dominant mutants of <i>Bombyx mori</i> . <i>Journal of Insect Physiology</i> , 2004, 50, 363-372.	0.9	26
33	Non-phosphorylated FTY720 Induces Apoptosis of Human Microglia by Activating SREBP2. <i>Cellular and Molecular Neurobiology</i> , 2011, 31, 1009-1020.	1.7	26
34	Immunohistochemical characterization of β -secretase activating protein expression in Alzheimer's disease brains. <i>Neuropathology and Applied Neurobiology</i> , 2012, 38, 132-141.	1.8	26
35	Phosphorylated Syk expression is enhanced in <i>Nasu</i> disease brains. <i>Neuropathology</i> , 2012, 32, 149-157.	0.7	26
36	Human astrocytes express 14-3-3 sigma in response to oxidative and DNA-damaging stresses. <i>Neuroscience Research</i> , 2006, 56, 61-72.	1.0	25

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37	Transport of a hydrophobic biosynthetic precursor by lipophorin in the hemolymph of a geometrid female moth which secretes an epoxyalkenyl sex pheromone. <i>Insect Biochemistry and Molecular Biology</i> , 2006, 36, 576-583.	1.2	24
38	Aberrant transcriptional regulatory network in T cells of multiple sclerosis. <i>Neuroscience Letters</i> , 2007, 422, 30-33.	1.0	24
39	Comparative analysis of seven types of superoxide dismutases for their ability to respond to oxidative stress in <i>Bombyx mori</i> . <i>Scientific Reports</i> , 2019, 9, 2170.	1.6	24
40	Identification of <i>Bombyx mori</i> 14-3-3 orthologs and the interactor Hsp60. <i>Neuroscience Research</i> , 2008, 61, 271-280.	1.0	22
41	Neuromyelitis optica/Devic's disease: Gene expression profiling of brain lesions. <i>Neuropathology</i> , 2008, 28, 561-576.	0.7	21
42	Molecular network of chromatin immunoprecipitation followed by deep sequencing-based vitamin D receptor target genes. <i>Multiple Sclerosis Journal</i> , 2013, 19, 1035-1045.	1.4	21
43	Superoxide dismutase 2 knockdown leads to defects in locomotor activity, sensitivity to paraquat, and increased cuticle pigmentation in <i>Tribolium castaneum</i> . <i>Scientific Reports</i> , 2016, 6, 29583.	1.6	21
44	Dystrophic neurites express C9orf72 in Alzheimer's disease brains. <i>Alzheimer's Research and Therapy</i> , 2012, 4, 33.	3.0	19
45	Ubiquitin immunoreactivity is concentrated on Hirano bodies and dystrophic neurites in Alzheimer's disease brains. <i>Neuropathology and Applied Neurobiology</i> , 2013, 39, 817-830.	1.8	19
46	Mapping and recombination analysis of two moth colour mutations, Black moth and Wild wing spot, in the silkworm <i>Bombyx mori</i> . <i>Heredity</i> , 2016, 116, 52-59.	1.2	18
47	The basis for colorless hemolymph and cocoons in the Y-gene recessive <i>Bombyx mori</i> mutants: a defect in the cellular uptake of carotenoids. <i>Journal of Insect Physiology</i> , 2004, 50, 975-983.	0.9	17
48	Stable Expression of Neurogenin 1 Induces LGR5, a Novel Stem Cell Marker, in an Immortalized Human Neural Stem Cell Line HB1.F3. <i>Cellular and Molecular Neurobiology</i> , 2010, 30, 415-426.	1.7	17
49	Molecular network profiling of U373MG human glioblastoma cells following induction of apoptosis by novel marine-derived anti-cancer 1,2,3,4-tetrahydroisoquinoline alkaloids. <i>Cancer Cell International</i> , 2012, 12, 14.	1.8	15
50	Purification and cDNA cloning of a novel antibacterial peptide with a cysteine-stabilized $\beta\beta$ motif from the longicorn beetle, <i>Acalolepta luxuriosa</i> . <i>Developmental and Comparative Immunology</i> , 2004, 28, 1-7.	1.0	14
51	Superoxide dismutase down-regulation and the oxidative stress is required to initiate pupation in <i>Bombyx mori</i> . <i>Scientific Reports</i> , 2019, 9, 14693.	1.6	14
52	Purification and cDNA cloning of Luxuriosin, a novel antibacterial peptide with Kunitz domain from the Longicorn Beetle, <i>Acalolepta luxuriosa</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2005, 1722, 36-42.	1.1	12
53	Gene Expression Profile of THP-1 Monocytes Following Knockdown of DAP12, A Causative Gene for Nasu-Hakola Disease. <i>Cellular and Molecular Neurobiology</i> , 2012, 32, 337-343.	1.7	12
54	Identification of functional enolase genes of the silkworm <i>Bombyx mori</i> from public databases with a combination of dry and wet bench processes. <i>BMC Genomics</i> , 2017, 18, 83.	1.2	12

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55	Systematic Functional Annotation Workflow for Insects. <i>Insects</i> , 2022, 13, 586.	1.0	12
56	Detection of anti-Nogo receptor autoantibody in the serum of multiple sclerosis and controls. <i>Acta Neurologica Scandinavica</i> , 2007, 115, 153-160.	1.0	11
57	Identification of a New Pheromone-Binding Protein in the Antennae of a Geometrid Species and Preparation of Its Antibody to Analyze the Antennal Proteins of Moths Secreting Type II Sex Pheromone Components. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 1443-1446.	0.6	10
58	Melanin pigmentation gives rise to black spots on the wings of the silkworm <i>Bombyx mori</i> . <i>Journal of Insect Physiology</i> , 2016, 91-92, 100-106.	0.9	10
59	Gene expression and localization analysis of <i>Bombyx mori</i> bidensovirus and its putative receptor in <i>B. mori</i> midgut. <i>Journal of Invertebrate Pathology</i> , 2016, 136, 50-56.	1.5	10
60	BmDJ-1 Is a Key Regulator of Oxidative Modification in the Development of the Silkworm, <i>Bombyx mori</i> . <i>PLoS ONE</i> , 2011, 6, e17683.	1.1	8
61	Affinity maturation of Cry1Aa toxin to the <i>Bombyx mori</i> cadherin-like receptor by directed evolution based on phage display and biopanning selections of domain loop 2 mutant toxins. <i>MicrobiologyOpen</i> , 2014, 3, 568-577.	1.2	6
62	Reactive astrocytes express the potassium channel <i>Kir4.1</i> in active multiple sclerosis lesions. <i>Clinical and Experimental Neuroimmunology</i> , 2013, 4, 19-28.	0.5	5
63	Construction of a simple evaluation system for the intestinal absorption of an orally administered medicine using <i>Bombyx mori</i> larvae. <i>Drug Discoveries and Therapeutics</i> , 2018, 12, 7-15.	0.6	5
64	Construction of TUATinsecta database that integrated plant and insect database for screening phytophagous insect metabolic products with medicinal potential. <i>Scientific Reports</i> , 2020, 10, 17509.	1.6	5
65	Phenotypic analyses, protein localization, and bacteriostatic activity of <i>Drosophila melanogaster</i> transferrin-1. <i>Insect Biochemistry and Molecular Biology</i> , 2022, 147, 103811.	1.2	5
66	Apoptosis-mediated vasa down-regulation controls developmental transformation in Japanese <i>Copidosoma floridanum</i> female soldiers. <i>Developmental Biology</i> , 2019, 456, 226-233.	0.9	3
67	Mass killing by female soldier larvae is adaptive for the killed male larvae in a polyembryonic wasp. <i>Scientific Reports</i> , 2019, 9, 7357.	1.6	3
68	De novo transcriptome analysis for examination of the nutrition metabolic system related to the evolutionary process through which stick insects gain the ability of flight (Phasmatodea). <i>BMC Research Notes</i> , 2021, 14, 182.	0.6	3
69	Analysis of molecular mechanism for acceleration of polyembryony using gene functional annotation pipeline in <i>Copidosoma floridanum</i> . <i>BMC Genomics</i> , 2020, 21, 152.	1.2	3
70	Integrated effects of thermal acclimation and challenge temperature on cellular immunity in the plusiine moth larvae <i>Chrysodeixis eriosoma</i> (Lepidoptera: Noctuidae). <i>Physiological Entomology</i> , 2021, 46, 52-59.	0.6	2
71	Protein microarray analysis identifies cyclic nucleotide phosphodiesterase as an interactor of Nogo-A. <i>Neuropathology</i> , 2010, 30, 7-14.	0.7	1
72	Microarray Analysis Identifies Interferon- β -responsive Genes in Human Microglia. <i>Clinical Immunology</i> , 2007, 123, S144.	1.4	0

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73	Constitutive dimer formation of TDP-43 in human cell lines. <i>Neuroscience Research</i> , 2009, 65, S119.	1.0	0
74	Production of wild-type and mutant-type human DAP12 proteins by <i>Bombyx mori</i> nucleopolyhedrovirus vector. <i>Bioscience, Biotechnology and Biochemistry</i> , 2014, 78, 71-74.	0.6	0
75	cDNA Cloning and Partial Characterization of the DJ-1 Gene from <i>Tribolium castaneum</i> . <i>Antioxidants</i> , 2021, 10, 1970.	2.2	0
76	Superoxide dismutase 6 is required during metamorphosis for the development of properly movable legs in <i>Tribolium castaneum</i> . <i>Scientific Reports</i> , 2022, 12, 6900.	1.6	0