Sheng Li

List of Publications by Year in descending order

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96	11,230	109321 35	39675 94
papers	citations	h-index	g-index

99	99	99	21980
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
3	Fat Body Biology in the Last Decade. Annual Review of Entomology, 2019, 64, 315-333.	11.8	184
4	Antagonistic actions of juvenile hormone and 20-hydroxyecdysone within the ring gland determine developmental transitions in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 139-144.	7.1	139
5	Drosophila Met and Gce are partially redundant in transducing juvenile hormone action. Insect Biochemistry and Molecular Biology, 2011, 41, 938-945.	2.7	138
6	Improvement of Pest Resistance in Transgenic Tobacco Plants Expressing dsRNA of an Insect-Associated Gene EcR. PLoS ONE, 2012, 7, e38572.	2.5	125
7	20-hydroxyecdysone upregulatesAtggenes to induce autophagy in the Bombyx fat body. Autophagy, 2013, 9, 1172-1187.	9.1	125
8	Juvenile hormone counteracts the bHLH-PAS transcription factors MET and GCE to prevent caspase-dependent programmed cell death inDrosophila. Development (Cambridge), 2009, 136, 2015-2025.	2.5	123
9	The genomic and functional landscapes of developmental plasticity in the American cockroach. Nature Communications, 2018, 9, 1008.	12.8	113
10	Genome-wide regulation of innate immunity by juvenile hormone and 20-hydroxyecdysone in the Bombyx fat body. BMC Genomics, 2010, 11, 549.	2.8	104
11	Juvenile hormone signaling â€“ a mini review. Insect Science, 2019, 26, 600-606.	3.0	95
12	20-Hydroxyecdysone (20E) Primary Response Gene E93 Modulates 20E Signaling to Promote Bombyx Larval-Pupal Metamorphosis. Journal of Biological Chemistry, 2015, 290, 27370-27383.	3.4	92
13	Two chitinase 5 genes from Locusta migratoria: Molecular characteristics and functional differentiation. Insect Biochemistry and Molecular Biology, 2015, 58, 46-54.	2.7	78
14	Ras1CA overexpression in the posterior silk gland improves silk yield. Cell Research, 2011, 21, 934-943.	12.0	77
15	20-hydroxyecdysone Reduces Insect Food Consumption Resulting in Fat Body Lipolysis During Molting and Pupation. Journal of Molecular Cell Biology, 2010, 2, 128-138.	3.3	76
16	Heat Shock Protein 83 (Hsp83) Facilitates Methoprene-tolerant (Met) Nuclear Import to Modulate Juvenile Hormone Signaling. Journal of Biological Chemistry, 2014, 289, 27874-27885.	3.4	73
17	Helicoidal Organization of Chitin in the Cuticle of the Migratory Locust Requires the Function of the Chitin Deacetylase2 Enzyme (LmCDA2). Journal of Biological Chemistry, 2016, 291, 24352-24363.	3.4	73
18	BmATG5 and BmATG6 mediate apoptosis following autophagy induced by 20-hydroxyecdysone or starvation. Autophagy, 2016, 12, 381-396.	9.1	73

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19	DPP-mediated TGFÎ² signaling regulates juvenile hormone biosynthesis by activating the expression of juvenile hormone acid methyltransferase. Development (Cambridge), 2011, 138, 2283-2291.	2.5	72
20	20-Hydroxyecdysone-induced transcriptional activity of FoxO upregulates brummer and acid lipase-1 and promotes lipolysis inÂBombyx fat body. Insect Biochemistry and Molecular Biology, 2013, 43, 829-838.	2.7	72
21	Methyl Farnesoate Plays a Dual Role in Regulating Drosophila Metamorphosis. PLoS Genetics, 2015, 11, e1005038.	3.5	64
22	20-Hydroxyecdysone (20E) Primary Response Gene E75 Isoforms Mediate Steroidogenesis Autoregulation and Regulate Developmental Timing in Bombyx. Journal of Biological Chemistry, 2016, 291, 18163-18175.	3.4	59
23	Nuclear receptor HR3 controls locust molt by regulating chitin synthesis and degradation genes of Locusta migratoria. Insect Biochemistry and Molecular Biology, 2018, 92, 1-11.	2.7	59
24	BmILF and i-motif structure are involved in transcriptional regulation of BmPOUM2 in Bombyx mori. Nucleic Acids Research, 2018, 46, 1710-1723.	14.5	53
25	E93 predominantly transduces 20-hydroxyecdysone signaling to induce autophagy and caspase activity in Drosophila fat body. Insect Biochemistry and Molecular Biology, 2014, 45, 30-39.	2.7	52
26	Involvement of integumentâ€rich CYP4G19 in hydrocarbon biosynthesis and cuticular penetration resistance in Blattella germanicaÂ(L.). Pest Management Science, 2020, 76, 215-226.	3.4	51
27	LmCYP4G102: An oenocyte-specific cytochrome P450 gene required for cuticular waterproofing in the migratory locust, Locusta migratoria. Scientific Reports, 2016, 6, 29980.	3.3	50
28	Juvenile hormone and 20-hydroxyecdysone coordinately control the developmental timing of matrix metalloproteinaseâ€“induced fat body cell dissociation. Journal of Biological Chemistry, 2017, 292, 21504-21516.	3.4	50
29	Mmp1 and Mmp2 cooperatively induce Drosophila fat body cell dissociation with distinct roles. Scientific Reports, 2014, 4, 7535.	3.3	48
30	Identification and expression of cuticular protein genes based on Locusta migratoria transcriptome. Scientific Reports, 2017, 7, 45462.	3.3	48
31	MET Is Required for the Maximal Action of 20-Hydroxyecdysone during Bombyx Metamorphosis. PLoS ONE, 2012, 7, e53256.	2.5	45
32	The AMPK-PP2A axis in insect fat body is activated by 20-hydroxyecdysone to antagonize insulin/IGF signaling and restrict growth rate. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9292-9301.	7.1	42
33	Drosophila Kruppel homolog 1 represses lipolysis through interaction with dFOXO. Scientific Reports, 2017, 7, 16369.	3.3	39
34	Bombyx E75 isoforms display stage- and tissue-specific responses to 20-hydroxyecdysone. Scientific Reports, 2015, 5, 12114.	3.3	38
35	Evolution of the Cholesterol Biosynthesis Pathway in Animals. Molecular Biology and Evolution, 2019, 36, 2548-2556.	8.9	37
36	Juvenile hormone signaling promotes ovulation and maintains egg shape by inducing expression of extracellular matrix genes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	37

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37	PKC-Mediated USP Phosphorylation at Ser35 Modulates 20-Hydroxyecdysone Signaling in Drosophila. Journal of Proteome Research, 2012, 11, 6187-6196.	3.7	36
38	Juvenile hormone diol kinase, a calcium-binding protein with kinase activity, from the silkworm, Bombyx mori. Insect Biochemistry and Molecular Biology, 2005, 35, 1235-1248.	2.7	35
39	Sexual dimorphism of sleep regulated by juvenile hormone signaling in Drosophila. PLoS Genetics, 2018, 14, e1007318.	3.5	35
40	BgFas1: A fatty acid synthase gene required for both hydrocarbon and cuticular fatty acid biosynthesis in the German cockroach, Blattella germanica (L.). Insect Biochemistry and Molecular Biology, 2019, 112, 103203.	2.7	35
41	Balancing crosstalk between 20-hydroxyecdysone-induced autophagy and caspase activity in the fat body during Drosophila larval-prepupal transition. Insect Biochemistry and Molecular Biology, 2013, 43, 1068-1078.	2.7	34
42	Insulin/IGF signaling and TORC1 promote vitellogenesis via inducing juvenile hormone biosynthesis in the American cockroach. Development (Cambridge), 2020, 147, .	2.5	34
43	Identification of iron-loaded ferritin as an essential mitogen for cell proliferation and postembryonic development in Drosophila. Cell Research, 2010, 20, 1148-1157.	12.0	30
44	The wing-specific cuticular protein LmACP7 is essential for normal wing morphogenesis in the migratory locust. Insect Biochemistry and Molecular Biology, 2019, 112, 103206.	2.7	27
45	Identification of LARK as a novel and conserved G-quadruplex binding protein in invertebrates and vertebrates. Nucleic Acids Research, 2019, 47, 7306-7320.	14.5	27
46	Identification of LmUAP1 as a 20â€hydroxyecdysone response gene in the chitin biosynthesis pathway from the migratory locust, Locusta migratoria. Insect Science, 2018, 25, 211-221.	3.0	25
47	Genomics- and Peptidomics-Based Discovery of Conserved and Novel Neuropeptides in the American Cockroach. Journal of Proteome Research, 2021, 20, 1217-1228.	3.7	25
48	Transgenic plants expressing the AaIT/GNA fusion protein show increased resistance and toxicity to both chewing and sucking pests. Insect Science, 2016, 23, 265-276.	3.0	22
49	Juvenile Hormone Studies in Drosophila melanogaster. Frontiers in Physiology, 2021, 12, 785320.	2.8	22
50	20-Hydroxyecdysone activates PGRP-SA mediated immune response in Locusta migratoria. Developmental and Comparative Immunology, 2017, 72, 128-139.	2.3	21
51	Cucurbitacin B acts a potential insect growth regulator by antagonizing 20â€hydroxyecdysone activity. Pest Management Science, 2018, 74, 1394-1403.	3.4	21
52	Matrix metalloproteinases promote fat body cell dissociation and ovary development in Bombyx mori. Journal of Insect Physiology, 2018, 111, 8-15.	2.0	21
53	LmCht5-1 promotes pro-nymphal molting during locust embryonic development. Insect Biochemistry and Molecular Biology, 2018, 101, 124-130.	2.7	21
54	CYP303A1 has a conserved function in adult eclosion in Locusta migratoria and Drosophila melanogaster. Insect Biochemistry and Molecular Biology, 2019, 113, 103210.	2.7	19

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55	In vivo visualization of the i-motif DNA secondary structure in the Bombyx mori testis. Epigenetics and Chromatin, 2020, 13, 12.	3.9	17
56	Modulation of fatty acid elongation in cockroaches sustains sexually dimorphic hydrocarbons and female attractiveness. PLoS Biology, 2021, 19, e3001330.	5.6	17
57	Taiman acts as a coactivator of Yorkie in the Hippo pathway to promote tissue growth and intestinal regeneration. Cell Discovery, 2016, 2, 16006.	6.7	16
58	Yorkie overexpression in the posterior silk gland improves silk yield in Bombyx mori. Journal of Insect Physiology, 2017, 100, 93-99.	2.0	16
59	Yorkie Facilitates Organ Growth and Metamorphosis in Bombyx. International Journal of Biological Sciences, 2016, 12, 917-930.	6.4	15
60	Nucleoporin Nup358 facilitates nuclear import of Methoprene-tolerant (Met) in an importin Î²- and Hsp83-dependent manner. Insect Biochemistry and Molecular Biology, 2017, 81, 10-18.	2.7	14
61	P300/HDAC1 regulates the acetylation/deacetylation and autophagic activities of LC3/Atg8â€“PE ubiquitin-like system. Cell Death Discovery, 2021, 7, 128.	4.7	14
62	Juvenile hormone membrane signaling phosphorylates USP and thus potentiates 20-hydroxyecdysone action in Drosophila. Science Bulletin, 2022, 67, 186-197.	9.0	14
63	A single gene integrates sex and hormone regulators into sexual attractiveness. Nature Ecology and Evolution, 2022, 6, 1180-1190.	7.8	13
64	Congenital absence of permanent teeth in a six-generation Chinese kindred. , 2000, 90, 193-198.		12
65	Knockdown of LmCYP303A1 alters cuticular hydrocarbon profiles and increases the susceptibility to desiccation and insecticides in Locusta migratoria. Pesticide Biochemistry and Physiology, 2020, 168, 104637.	3.6	12
66	Ras-Raf-MAPK signaling promotes nuclear localization of FOXA transcription factor SGF1 via Ser91 phosphorylation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 560-571.	4.1	11
67	MicroRNA miR-8 promotes cell growth of corpus allatum and juvenile hormone biosynthesis independent of insulin/IGF signaling in Drosophila melanogaster. Insect Biochemistry and Molecular Biology, 2021, 136, 103611.	2.7	11
68	Selection of Reference Genes for Normalization of Gene Expression in Thermobia domestica (Insecta:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.4	11
69	Alteration of insulin and nutrition signal gene expression or depletion of Met reduce both lifespan and reproduction in the German cockroach. Journal of Insect Physiology, 2019, 118, 103934.	2.0	10
70	Dual roles of juvenile hormone signaling during early oogenesis in Drosophila. Insect Science, 2020, 27, 665-674.	3.0	9
71	Convergent Adaptation of Ootheca Formation as a Reproductive Strategy in Polyneoptera. Molecular Biology and Evolution, 2022, 39, .	8.9	8
72	Temporal Coordination of Collective Migration and Lumen Formation by Antagonism between Two Nuclear Receptors. IScience, 2020, 23, 101335.	4.1	7

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73	Stimulation of JNK Phosphorylation by the PTTH in Prothoracic Glands of the Silkworm, Bombyx mori. Frontiers in Physiology, 2018, 9, 43.	2.8	6
74	Transcriptomic analysis of the testicular fusion in Spodoptera litura. BMC Genomics, 2020, 21, 171.	2.8	6
75	Identification of a novel collagen-like peptide by high-throughput screening for effective wound-healing therapy. International Journal of Biological Macromolecules, 2021, 173, 541-553.	7.5	6
76	Bioinformatic analysis and antiviral effect of Periplaneta americana defensins. Virus Research, 2022, 308, 198627.	2.2	6
77	Nutrition-dependent juvenile hormone sensitivity promotes flight-muscle degeneration during the aphid dispersal-reproduction transition. Development (Cambridge), 2022, 149, .	2.5	6
78	Sumoylation modulates 20-hydroxyecdysone signaling by maintaining USP protein levels in Drosophila. Insect Biochemistry and Molecular Biology, 2014, 54, 80-88.	2.7	5
79	The steroidâ€induced microRNA letâ€7 regulates developmental growth by targeting cdc7 in the Drosophila fat body. Insect Science, 2021, 28, 1621-1632.	3.0	5
80	Matrix metalloproteinases are involved in eclosion and wing expansion in the American cockroach, Periplaneta americana. Insect Biochemistry and Molecular Biology, 2021, 131, 103551.	2.7	5
81	Evaluation of Reference Genes for Transcriptional Profiling in Two Cockroach Models. Genes, 2021, 12, 1880.	2.4	5
82	AMPK activates the Nrf2-Keap1 pathway to govern dendrite pruning via the insulin pathway in Drosophila. Development (Cambridge), 2022, 149, .	2.5	5
83	Homeodomain Protein Scr Regulates the Transcription of Genes Involved in Juvenile Hormone Biosynthesis in the Silkworm. International Journal of Molecular Sciences, 2015, 16, 26166-26185.	4.1	4
84	MicroRNA evolution provides new evidence for a close relationship of Diplura to Insecta. Systematic Entomology, 2020, 45, 365-377.	3.9	4
85	Two putative fatty acid synthetic genes of BgFas3 and BgElo1 are responsible for respiratory waterproofing in Blattella germanica. Insect Science, 2022, 29, 33-50.	3.0	4
86	Pax6 in Collembola: Adaptive Evolution of Eye Regression. Scientific Reports, 2016, 6, 20800.	3.3	3
87	Grainy head signaling regulates epithelium development and ecdysis in Blattella germanica. Insect Science, 2021, 28, 485-494.	3.0	3
88	Juvenile Hormone Membrane Signaling Enhances its Intracellular Signaling Through Phosphorylation of Met and Hsp83. Frontiers in Physiology, 2022, 13, 872889.	2.8	3
89	Molecular Expression of the Scribble Complex Genes, Dlg, Scrib and Lgl, in Silkworm, Bombyx mori. Genes, 2013, 4, 264-274.	2.4	2
90	Applications of RNA Interference in American Cockroach. Journal of Visualized Experiments, 2021, , .	0.3	2

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91	Developmental changes in hemolymph ecdysteroid level and prothoracicotropic hormone activity during the fifth larval instar of the Eri silkworm, Samia cynthia ricini. Insect Science, 2005, 12, 241-247.	3.0	1
92	Congenital absence of permanent teeth in a six-generation Chinese kindred. American Journal of Medical Genetics Part A, 2000, 90, 193.	2.4	1
93	The complete mitochondrial genome of Hymenopus coronatus (Mantodea: Hymenopodidae) from Xishuangbanna, China. International Journal of Transgender Health, 2022, 15, 50-53.	2.3	1
94	Life-History Traits from Embryonic Development to Reproduction in the American Cockroach. Insects, 2022, 13, 551.	2.2	1
95	The X-ray structure of juvenile hormone diol kinase from the silkworm Bombyx mori. Acta Crystallographica Section F, Structural Biology Communications, 2021, 77, 465-472.	0.8	0
96	The mitochondrial genome and phylogenetic position of a conehead katydid Euconocephalus pallidus (Insecta: Orthoptera). Mitochondrial DNA Part B: Resources, 2022, 7, 533-534.	0.4	0