

Yeon Soo Han

List of Publications by Year in descending order

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Version: 2024-02-01

107
papers

1,387
citations

361045

20
h-index

476904

29
g-index

110
all docs

110
docs citations

110
times ranked

1269
citing authors

#	ARTICLE	IF	CITATIONS
1	Extraction of chitin and chitosan from larval exuvium and whole body of edible mealworm, <i>Tenebrio molitor</i> . Entomological Research, 2018, 48, 227-233.	0.6	74
2	An overview of insect innate immunity. Entomological Research, 2020, 50, 282-291.	0.6	69
3	Sequencing, De Novo Assembly, and Annotation of the Transcriptome of the Endangered Freshwater Pearl Bivalve, <i>Cristaria plicata</i> , Provides Novel Insights into Functional Genes and Marker Discovery. PLoS ONE, 2016, 11, e0148622.	1.1	61
4	Molting-associated suppression of symbiont population and up-regulation of antimicrobial activity in the midgut symbiotic organ of the <i>Riptortus</i> – <i>Burkholderia</i> symbiosis. Developmental and Comparative Immunology, 2014, 43, 10-14.	1.0	53
5	Production of chitin and chitosan from the exoskeleton of adult two-spotted field crickets (<i>Gryllus bimaculatus</i>). Entomological Research, 2017, 47, 279-285.	0.6	35
6	TmCactin plays an important role in Gram-negative and -positive bacterial infection by regulating expression of 7 AMP genes in <i>Tenebrio molitor</i> . Scientific Reports, 2017, 7, 46459.	1.6	34
7	Developmental characteristics of <i>Tenebrio molitor</i> larvae (Coleoptera: Tenebrionidae) in different instars. International Journal of Industrial Entomology, 2014, 28, 5-9.	0.1	34
8	TmDorX2 positively regulates antimicrobial peptides in <i>Tenebrio molitor</i> gut, fat body, and hemocytes in response to bacterial and fungal infection. Scientific Reports, 2019, 9, 16878.	1.6	33
9	Extraction of chitin and chitosan from housefly, <i>Musca domestica</i> , pupa shells. Entomological Research, 2016, 46, 324-328.	0.6	31
10	Understanding regulation of the host-mediated gut symbiont population and the symbiont-mediated host immunity in the <i>Riptortus</i> - <i>Burkholderia</i> symbiosis system. Developmental and Comparative Immunology, 2016, 64, 75-81.	1.0	30
11	Regulation of the expression of nine antimicrobial peptide genes by TmIMD confers resistance against Gram-negative bacteria. Scientific Reports, 2019, 9, 10138.	1.6	28
12	Antifungal Activity of Cyclic Tetrapeptide from <i>Bacillus velezensis</i> CE 100 against Plant Pathogen <i>Colletotrichum gloeosporioides</i> . Pathogens, 2021, 10, 209.	1.2	27
13	Cloning, Characterization and Effect of TmPGRP-LE Gene Silencing on Survival of <i>Tenebrio Molitor</i> against <i>Listeria monocytogenes</i> Infection. International Journal of Molecular Sciences, 2013, 14, 22462-22482.	1.8	26
14	TmToll-7 Plays a Crucial Role in Innate Immune Responses Against Gram-Negative Bacteria by Regulating 5 AMP Genes in <i>Tenebrio molitor</i> . Frontiers in Immunology, 2019, 10, 310.	2.2	26
15	Gene structure, cDNA characterization and RNAi-based functional analysis of a myeloid differentiation factor 88 homolog in <i>Tenebrio molitor</i> larvae exposed to <i>Staphylococcus aureus</i> infection. Developmental and Comparative Immunology, 2014, 46, 208-221.	1.0	25
16	TmRelish is required for regulating the antimicrobial responses to <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> in <i>Tenebrio molitor</i> . Scientific Reports, 2020, 10, 4258.	1.6	25
17	Molecular cloning and characterization of autophagy-related gene TmATG8 in <i>Listeria</i> -invaded hemocytes of <i>Tenebrio molitor</i> . Developmental and Comparative Immunology, 2015, 51, 88-98.	1.0	24
18	Transcriptome Profile of the Asian Giant Hornet (<i>Vespa mandarinia</i>) Using Illumina HiSeq 4000 Sequencing: De Novo Assembly, Functional Annotation, and Discovery of SSR Markers. International Journal of Genomics, 2016, 2016, 1-15.	0.8	24

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19	TmSpz6 Is Essential for Regulating the Immune Response to Escherichia coli and Staphylococcus aureus Infection in Tenebrio molitor. <i>Insects</i> , 2020, 11, 105.	1.0	24
20	The impact of consumer familiarity on edible insect food product purchase and expected liking: The role of media trust and purchase activism. <i>Entomological Research</i> , 2019, 49, 158-164.	0.6	22
21	Complete mitochondrial genome of a carabid beetle, <i>Damaster mirabilissimus mirabilissimus</i> (Coleoptera: Carabidae). <i>Entomological Research</i> , 2012, 42, 44-54.	0.6	21
22	3-Decylcatechol induces autophagy-mediated cell death through the IRE1 α /JNK/p62 in hepatocellular carcinoma cells. <i>Oncotarget</i> , 2017, 8, 58790-58800.	0.8	20
23	<i>In silico</i> identification, characterization and expression analysis of <i>attacin</i> gene family in response to bacterial and fungal pathogens in <i>Tenebrio molitor</i> . <i>Entomological Research</i> , 2018, 48, 45-54.	0.6	19
24	TmSpz4 Plays an Important Role in Regulating the Production of Antimicrobial Peptides in Response to Escherichia coli and Candida albicans Infections. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1878.	1.8	19
25	Evaluation of nutritional status of an edible grasshopper, <i>Oxya chinensis formosana</i> . <i>Entomological Research</i> , 2012, 42, 284-290.	0.6	18
26	DEPLETION OF AUTOPHAGY-RELATED GENES ATG3 AND ATG5 IN <i>Tenebrio molitor</i> LEADS TO DECREASED SURVIVABILITY AGAINST AN INTRACELLULAR PATHOGEN, <i>Listeria monocytogenes</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2015, 88, 85-99.	0.6	18
27	Genomic organization, sequence characterization and expression analysis of <i>Tenebrio molitor</i> apolipophorin-III in response to an intracellular pathogen, <i>Listeria monocytogenes</i> . <i>Gene</i> , 2014, 534, 204-217.	1.0	17
28	TmPGRP-SA regulates Antimicrobial Response to Bacteria and Fungi in the Fat Body and Gut of <i>Tenebrio molitor</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 2113.	1.8	17
29	Construction of PANM Database (Protostome DB) for rapid annotation of NGS data in Mollusks. <i>Korean Journal of Malacology</i> , 2015, 31, 243-247.	0.1	17
30	Molecular Cloning, Sequence Characterization and Expression Analysis of a CD63 Homologue from the Coleopteran Beetle, <i>Tenebrio molitor</i> . <i>International Journal of Molecular Sciences</i> , 2013, 14, 20744-20767.	1.8	16
31	Tm SR-C, scavenger receptor class C, plays a pivotal role in antifungal and antibacterial immunity in the coleopteran insect <i>Tenebrio molitor</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2017, 89, 31-42.	1.2	16
32	Autophagy in <i>Tenebrio molitor</i> Immunity: Conserved Antimicrobial Functions in Insect Defenses. <i>Frontiers in Immunology</i> , 2021, 12, 667664.	2.2	16
33	TmSpz-like Plays a Fundamental Role in Response to E. coli but Not S. aureus or C. albican Infection in <i>Tenebrio molitor</i> via Regulation of Antimicrobial Peptide Production. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10888.	1.8	16
34	Transcriptome Analysis of the Tadpole Shrimp (<i>Triops longicaudatus</i>) by Illumina Paired-End Sequencing: Assembly, Annotation, and Marker Discovery. <i>Genes</i> , 2016, 7, 114.	1.0	15
35	Two Roles for the <i>Tenebrio molitor</i> Relish in the Regulation of Antimicrobial Peptides and Autophagy-Related Genes in Response to <i>Listeria monocytogenes</i> . <i>Insects</i> , 2020, 11, 188.	1.0	15
36	Transcriptome sequencing and de novo characterization of Korean endemic land snail, <i>Koreanohadra kurodana</i> for functional transcripts and SSR markers. <i>Molecular Genetics and Genomics</i> , 2016, 291, 1999-2014.	1.0	14

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37	Bacterial but not fungal challenge up-regulates the transcription of <i>Coleopteracin</i> genes in <i>Tenebrio molitor</i> . <i>Entomological Research</i> , 2020, 50, 440-449.	0.6	14
38	<i>Tenebrio molitor</i> PGRP-LE Plays a Critical Role in Gut Antimicrobial Peptide Production in Response to <i>Escherichia coli</i> . <i>Frontiers in Physiology</i> , 2020, 11, 320.	1.3	14
39	Transcriptome Characterization for Non-Model Endangered Lycaenids, <i>Protantigius superans</i> and <i>Spindasis takanosis</i> , Using Illumina HiSeq 2500 Sequencing. <i>International Journal of Molecular Sciences</i> , 2015, 16, 29948-29970.	1.8	13
40	Transcriptomic Analysis of the Endangered Neritid Species <i>Clithon retropictus</i> : De Novo Assembly, Functional Annotation, and Marker Discovery. <i>Genes</i> , 2016, 7, 35.	1.0	13
41	PhaR, a Negative Regulator of PhaP, Modulates the Colonization of a Burkholderia Gut Symbiont in the Midgut of the Host Insect, <i>Riptortus pedestris</i> . <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	13
42	Cloning, expression analysis, and RNA interference study of a HORMA domain containing autophagy-related gene 13 (ATG13) from the coleopteran beetle, <i>Tenebrio molitor</i> . <i>Frontiers in Physiology</i> , 2015, 6, 180.	1.3	12
43	IKK β /NEMO Is Required to Confer Antimicrobial Innate Immune Responses in the Yellow Mealworm, <i>Tenebrio Molitor</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 6734.	1.8	12
44	<i>In silico</i> identification and expression analyses of <i>Defensin</i> genes in the mealworm beetle <i>Tenebrio molitor</i> . <i>Entomological Research</i> , 2020, 50, 575-585.	0.6	12
45	The Role of <i>Lysobacter antibioticus</i> HS124 on the Control of Fall Webworm (<i>Hyphantria cunea</i> Drury) and Growth Promotion of Canadian Poplar (<i>Populus canadensis</i> Moench) at Saemangeum Reclaimed Land in Korea. <i>Microorganisms</i> , 2021, 9, 1580.	1.6	12
46	Molecular Cloning and Expression Analysis of Three Suppressors of Cytokine Signaling Genes (SOCS5,) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.0	11
47	Identification, <i>in silico</i> characterization, and expression analysis of <i>Tenebrio molitor</i> Cecropin-2. <i>Entomological Research</i> , 2021, 51, 74-82.	0.6	11
48	Current knowledge of immune priming in invertebrates, emphasizing studies on <i>Tenebrio molitor</i> . <i>Developmental and Comparative Immunology</i> , 2022, 127, 104284.	1.0	11
49	Critical Roles of Spätzle5 in Antimicrobial Peptide Production Against <i>Escherichia coli</i> in <i>Tenebrio molitor</i> Malpighian Tubules. <i>Frontiers in Immunology</i> , 2021, 12, 760475.	2.2	11
50	Sequencing and de novo assembly of visceral mass transcriptome of the critically endangered land snail <i>Satsuma myomphala</i> : Annotation and SSR discovery. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2017, 21, 77-89.	0.4	10
51	Insect feed for animals under the Hazard Analysis and Critical Control Points (HACCP) regulations. <i>Entomological Research</i> , 2016, 46, 2-4.	0.6	9
52	Transcriptome analysis of air-breathing land slug, <i>Incilaria fruhstorferi</i> reveals functional insights into growth, immunity, and reproduction. <i>BMC Genomics</i> , 2019, 20, 154.	1.2	9
53	Extraction of Chitin and Chitosan from the Exoskeleton of the Cockroach (<i>Periplaneta americana</i> L.). <i>Journal of Chitin and Chitosan</i> , 2017, 22, 76-81.	0.1	9
54	Lin28 is a critical factor in the function and aging of <i>Drosophila</i> testis stem cell niche. <i>Aging</i> , 2019, 11, 855-873.	1.4	9

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55	Tenebrio molitor Spätzle 1b Is Required to Confer Antibacterial Defense Against Gram-Negative Bacteria by Regulation of Antimicrobial Peptides. <i>Frontiers in Physiology</i> , 2021, 12, 758859.	1.3	9
56	Expression profiles of two thaumatin-like protein (<i>TmTLP</i>) genes in responses to various microorganisms from <i>Tenebrio molitor</i> . <i>Entomological Research</i> , 2017, 47, 35-40.	0.6	8
57	Transcriptomics reveals tissue/organ-specific differences in gene expression in the starfish <i>Patiria pectinifera</i> . <i>Marine Genomics</i> , 2018, 37, 92-96.	0.4	8
58	<i>Aedes albopictus</i> Autophagy-Related Gene 8 (<i>AaAtg8</i>) Is Required to Confer Anti-Bacterial Gut Immunity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2944.	1.8	8
59	<i>TmIKKμ</i> Is Required to Confer Protection Against Gram-Negative Bacteria, <i>E. coli</i> by the Regulation of Antimicrobial Peptide Production in the <i>Tenebrio molitor</i> Fat Body. <i>Frontiers in Physiology</i> , 2021, 12, 758862.	1.3	8
60	Current Status of Immune Deficiency Pathway in <i>Tenebrio molitor</i> Innate Immunity. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	8
61	Identification and expression analysis of a novel R-type lectin from the coleopteran beetle, <i>Tenebrio molitor</i> . <i>Journal of Invertebrate Pathology</i> , 2013, 114, 226-229.	1.5	7
62	De novo Transcriptome Generation and Annotation for Two Korean Endemic Land Snails, <i>Aegista chejuensis</i> and <i>Aegista quepartensis</i> , Using Illumina Paired-End Sequencing Technology. <i>International Journal of Molecular Sciences</i> , 2016, 17, 379.	1.8	7
63	RNA sequencing, de novo assembly, and functional annotation of an endangered nymphalid butterfly, <i>Fabriciana nerippe</i> . <i>Entomological Research</i> , 2016, 46, 148-161.	0.6	7
64	Biosurfactants Induce Antimicrobial Peptide Production through the Activation of <i>TmSpätzles</i> in <i>Tenebrio molitor</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 6090.	1.8	7
65	Transcriptome analysis of the threatened snail <i>Ellobium chinense</i> reveals candidate genes for adaptation and identifies SSRs for conservation genetics. <i>Genes and Genomics</i> , 2018, 40, 333-347.	0.5	6
66	Peptide-based polyclonal antibody against mosquito <i>14-3-3σ</i> recognizes <i>14-3-3</i> homolog from dipteran and lepidopteran insects. <i>Entomological Research</i> , 2009, 39, 129-134.	0.6	5
67	Cloning and expression pattern of a hemolin homologue from the diamondback moth, <i>Plutella xylostella</i> . <i>Genes and Genomics</i> , 2010, 32, 71-77.	0.5	5
68	Expressed Sequence Tags (ESTs) analysis of <i>Tenebrio molitor</i> larvae. <i>Entomological Research</i> , 2013, 43, 168-176.	0.6	5
69	Silencing of apolipoprotein III causes abnormal adult morphological phenotype and susceptibility to <i>Listeria monocytogenes</i> infection in <i>Tenebrio molitor</i> . <i>Entomological Research</i> , 2015, 45, 116-121.	0.6	5
70	The Silencing of a 14-3-3 ϵ Homolog in <i>Tenebrio molitor</i> Leads to Increased Antimicrobial Activity in Hemocyte and Reduces Larval Survivability. <i>Genes</i> , 2016, 7, 53.	1.0	5
71	Identification and sequence analysis of two thaumatin-like protein (<i>TmTLP</i>) genes from <i>Tenebrio molitor</i> . <i>Entomological Research</i> , 2016, 46, 354-359.	0.6	5
72	Duox mediates ultraviolet injury-induced nociceptive sensitization in <i>Drosophila</i> larvae. <i>Molecular Brain</i> , 2018, 11, 16.	1.3	5

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73	Molecular Cloning and Effects of Tm14-3-3 β -Silencing on Larval Survivability Against <i>E. coli</i> and <i>C. albicans</i> in <i>Tenebrio molitor</i> . <i>Genes</i> , 2018, 9, 330.	1.0	5
74	Optimization of double-stranded RNAi intrathoracic injection method in <i>Aedes aegypti</i> . <i>Entomological Research</i> , 2018, 48, 269-278.	0.6	5
75	Aphicidal activity of <i>Bacillus thuringiensis</i> strain AH α 2 against cotton aphid (<i>Aphis gossypii</i>). <i>Entomological Research</i> , 2021, 51, 151-160.	0.6	5
76	De novo transcriptome sequencing of triton shell <i>Charonia lampas sauliae</i> : Identification of genes related to neurotoxins and discovery of genetic markers. <i>Marine Genomics</i> , 2021, 59, 100862.	0.4	5
77	Molecular cloning and expression pattern of 14 β from the malaria vector, <i>Anopheles sinensis</i> . <i>Entomological Research</i> , 2009, 39, 123-128.	0.6	4
78	Molecular cloning and expression profiles of calreticulin gene from the diamondback moth, <i>Plutella xylostella</i> . <i>Entomological Research</i> , 2010, 40, 217-224.	0.6	4
79	Homologs of Human Dengue-Resistance Genes, FKBP1B and ATCAY, Confer Antiviral Resistance in <i>Aedes aegypti</i> Mosquitoes. <i>Insects</i> , 2019, 10, 46.	1.0	4
80	TmAtg6 Plays an Important Role in Anti-Microbial Defense Against <i>Listeria monocytogenes</i> in the Mealworm, <i>Tenebrio molitor</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 1232.	1.8	4
81	Expression of recombinant proteins in plants by using baculovirus vectors. <i>Horticulture Environment and Biotechnology</i> , 2011, 52, 95-104.	0.7	3
82	Analysis of the Genome of a Korean Isolate of the <i>Pieris rapae</i> Granulovirus Enabled by Its Separation from Total Host Genomic DNA by Pulse-Field Electrophoresis. <i>PLoS ONE</i> , 2013, 8, e84183.	1.1	3
83	Molecular characterization and expression analysis of target of rapamycin (TmTOR) in coleopteran insect <i>Tenebrio molitor</i> . <i>Entomological Research</i> , 2016, 46, 139-147.	0.6	3
84	RNA Sequencing, De novo assembly, functional annotation and SSR analysis of the endangered diving beetle <i>Cybister chinensis</i> (= <i>Cybister japonicus</i>) using the Illumina platform. <i>Entomological Research</i> , 2018, 48, 60-72.	0.6	3
85	Tick-borne viruses: Current trends in large-scale viral surveillance. <i>Entomological Research</i> , 2020, 50, 379-392.	0.6	3
86	Transcriptome analysis of <i>Macrobrachium rosenbergii</i> hepatopancreas in response to <i>Vibrio harveyi</i> infection. <i>Aquaculture Research</i> , 2021, 52, 1855-1875.	0.9	3
87	The Protostome database (PANM-DB): Version 2.0 release with updated sequences. <i>Korean Journal of Malacology</i> , 2016, 32, 185-188.	0.1	3
88	Bioinformatic analysis and annotation of expressed sequence tags (ESTs) generated from <i>Anopheles sinensis</i> mosquitoes challenged with apoptosis-inducing chemical, actinomycin D. <i>Entomological Research</i> , 2011, 41, 53-59.	0.6	2
89	Comparative analysis of expressed sequence tags (ESTs) between normal group and softness syndrome group in <i>Halocynthia roretzi</i> . <i>Molecular and Cellular Toxicology</i> , 2011, 7, 357-365.	0.8	2
90	Isolation and expression analysis of a homolog of the 14 β 3 epsilon gene in the diamondback moth, <i>Plutella xylostella</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2011, 76, 114-124.	0.6	2

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91	Expressed sequence tag analysis and annotation of genetic information from the freshwater clam, <i>Pisidium (Neopisidium) coreanum</i> endemic to Korea. <i>Genes and Genomics</i> , 2015, 37, 1041-1049.	0.5	2
92	Current trends in large-scale viral surveillance methods in mosquitoes. <i>Entomological Research</i> , 2020, 50, 292-308.	0.6	2
93	Development and application of reverse transcription droplet digital PCR assay for sensitive detection of apple scar skin viroid during in vitro propagation of apple plantlets. <i>Molecular and Cellular Probes</i> , 2022, 61, 101789.	0.9	2
94	Molecular cloning, sequence characterization, and expression analysis of C-type lectin (CTL) and ER-Golgi intermediate compartment 53-kDa protein (ERGIC-53) homologs from the freshwater prawn, <i>Macrobrachium rosenbergii</i> . <i>Aquaculture International</i> , 2022, 30, 1011-1035.	1.1	2
95	Production of chitin and chitosan oligosaccharide using the edible insect, <i>Tenebrio molitor</i> . <i>Entomological Research</i> , 0, , .	0.6	2
96	Cloning and expression pattern of 14S protein from <i>Culex pipiens</i> . <i>Entomological Research</i> , 2009, 39, 192-195.	0.6	1
97	Expression analysis and immunohistochemical localization of putative tumor suppressor QM homologue from the cabbage butterfly, <i>Pieris rapae</i> . <i>Entomological Research</i> , 2013, 43, 262-270.	0.6	1
98	Characterization of <i>Physa acuta</i> expressed sequence tags and transcript mining following cadmium exposure. <i>Genes and Genomics</i> , 2015, 37, 1017-1025.	0.5	1
99	Molecular cloning and characterization of SOCS2 from the mealworm beetle <i>Tenebrio molitor</i> . <i>Entomological Research</i> , 2019, 49, 313-322.	0.6	1
100	Deep sequencing and phylogenetic analysis of severe fever with thrombocytopenia syndrome virus from the tick, <i>Haemaphysalis longicornis</i> , in Korea. <i>Entomological Research</i> , 2021, 51, 3-11.	0.6	1
101	Editorial: Innate Immune System Guiding Physiological Plasticity in Invertebrates. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	1
102	Cloning and blood meal dependent induction pattern of apolipoprotein III from <i>Anopheles sinensis</i> . <i>Entomological Research</i> , 2009, 39, 388-393.	0.6	0
103	Cloning and expression profiles of tumor suppressor QM homologue in response to granulovirus in <i>Pieris rapae</i> . <i>Entomological Research</i> , 2011, 41, 293-293.	0.6	0
104	Expression profiles of tumor suppressor QM homologue in response to budded virus infection (AcMNPV) in <i>Spodoptera exigua</i> . <i>Entomological Research</i> , 2011, 41, 294-294.	0.6	0
105	Gene expression profiles in acholeplasma-treated fat body cells of <i>Tenebrio molitor</i> . <i>Entomological Research</i> , 2011, 41, 295-295.	0.6	0
106	Molecular cloning and expression patterns of FK506-binding protein 12, an immunophilin from the cabbage butterfly, <i>Pieris rapae</i> . <i>Entomological Research</i> , 2011, 41, 296-296.	0.6	0
107	Major Host Plant and Life Cycle of Pest in Arboretum of Chonnam National University. <i>Trends in Agriculture & Life Sciences</i> , 2020, 58, 29-36.	0.0	0