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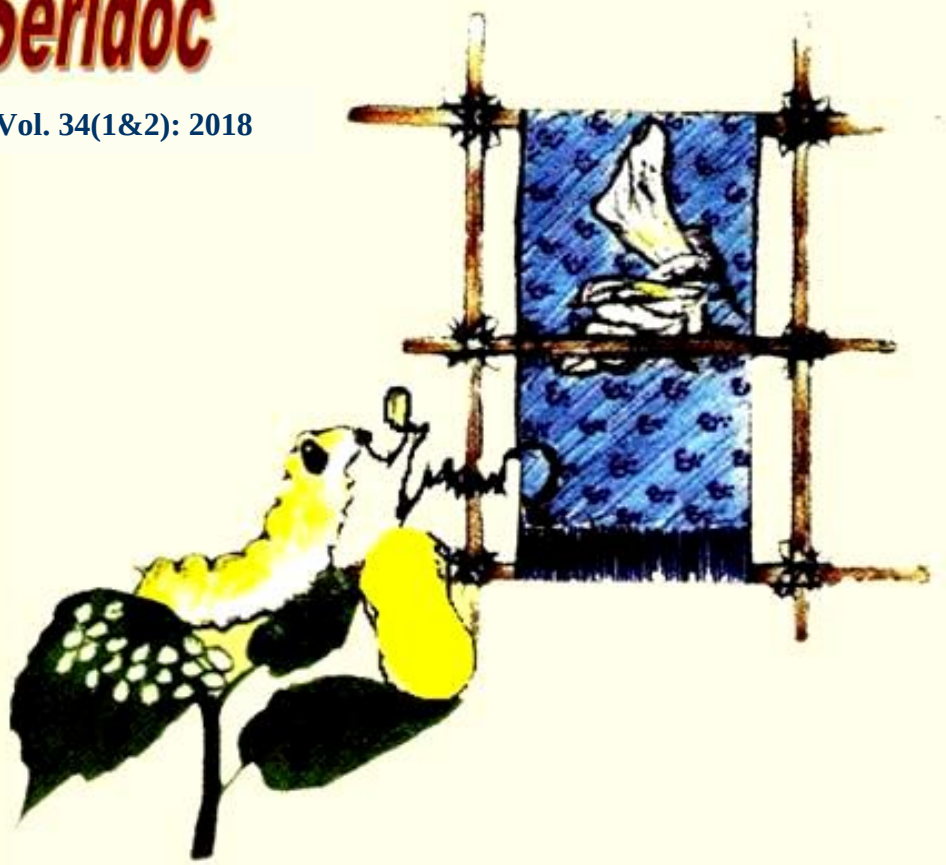

केंद्रीय रेशम उत्पादन अनुसन्धान एवं प्रशिक्षण संस्थान
CENTRAL SERICULTURAL RESEARCH AND TRAINING INSTITUTE
केंद्रीय रेशम बोर्ड (वस्त्र मंत्रालय, भारत सरकार)
Central Silk Board, (Ministry of Textile, Govt. of India)
श्रीरामपुर, मानंदवाडी रोड, मैसूर - 570008
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Jiang YB ; Huang RZ; Jiang SM; (2018)

(The Sericultural Research Institute of Hunan Province, Changsha, PR China)

Adsorption of Cd(II) by rhizosphere and non-rhizosphere soil originating from mulberry field under laboratory condition

International Journal of Phytoremediation 20(4):378-383 (English)

002

Maria JR; Thomas AD; Cohen E; Huang WW; Omenetto FG; Kalpan DL; (2018)

(Department of Biomedical Engineering, Tufts University, Medford, MA, USA)

3D free form printing of silk fibroin

Acta Biomaterialia 71:379-387 (English)

003

Mogili T; Padmini P; Vaijayanthi PV; Sivaprasad V; (2017)

(Central Sericultural Reserch and Training Institute, Mysuru 570008, Karnataka, India)

Rapid assessment of fertilizer sufficiency and leaf quality in mulberry using chlorophyll meter and leaf color chart

Sericologia 57(4):224-230 (English)

004

Ray P; Gogoi SH; Bandyopadhyay S; Padua S; Jena RK; Roy DP; Ramachandran S; Sharma GK; Sah KD; Trivedy K; Singh SK; Ray SK; (2018)

(ICAR- National Bureau of Soil Survey and Land use planning, Regional Centre, Jorhat-785004, India)

Fertility status of mulberry (*Morus indica* L.) growing soils of upper Brahmaputra valley region of north eastern India

Range Management and Agroforestry 39(2):147-155 (English)

005

Sharma D D; (2018)

(Retired Scientist, Central Sericultural Research Training Institute, CSB, Mysuru)

Valuable suggestions for harvesting mulberry from new plantation

Indian Silk 9(5-6):46-47 (Hindi)

006

Zheng ZY; Zhang MH; Li ZI; Ran RL; Yang Y; Ren J; (2018)

(Chongqing Three Gorges Academy of Agricultural Sciences, Chongqing 404155, China)

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007

Zheng Li; Di DD; Xiao WW; Ma Yue; Xiong M; Zhang YH; Yan H; Zhang GH; (2018)

(College of Biotechnology, Jiangsu University of Science and Technology, Zhenjiang Jiangsu 212018, China)

Rapid determination of soil organic matter in mulberry field by micro near infrared spectrometer

Canye Kexue 44(6):923-928 (Chinese)

1. 2. Host Plant Physiology and Biochemistry

008

Dai FW; Li ZY; Wang ZA; Luo GQ; Chaoyi Z; Tang CM; (2018)

(Sericulture Agri-food Research Institute, Guangdong Academy of Agricultural Sciences, Guangzhou 510610, China)

Contents of Nutritinal components in Mulberry bud and their correlation with taste

Canye Kexue 44(6):968-972 (Chinese)

009

Hao JY; Yi W; Yao XH; Zhao WG; Hu RZ; Chen C; Li L; Zhang DY; Wu GH; (2018)

(College of Biotechnology and Sericultural Research Institute, Jiangsu University of Science and Technology, Zhenjiang, P.R. China)

Effect of different planting areas on the chemical compositions and hypoglycemic and antioxidant activities of mulberry leaf extracts in Southern China

Plos One 13(6):e0198072 (English)

010

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(Termite Research Laboratory, Department of Entomology, University of Agriculture Faisalabad, Faisalabad, Pakistan)

Effects of White Mulberry (*Morus alba*) Hear twood Extract Against Reticulitermes flavipes (Blattodea: Rhinotermitidae)

Journal of Economic Entomology 111(3):1337-1345 (English)

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(Department of Food Science and Nutrition, National Engineering Laboratory of Intelligent Food Technology and Equipment, Hangzhou 310058, China)

Systematic evaluation of phenolic compounds and protective capacity of a new mulberry cultivar J33 against palmitic acid-induced lipotoxicity using a simulated digestion method

Food Chemistry 258:43-50 (English)

012

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(Sericultural Research Institute of Hunan Province, Changsha - 410127, China)

Effect of Cadmium and lead combined stress on growth of mulberry saplings and contents of heavy metal in mulberry leaf.

Canye Kexue 44(5):665-671 (Chinese)

013

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(Zhejiang Provincial key Laboratory of Biometrology and Inspection Quarantine, College of Life Sciences, China Jiliang University, Hangzhou 310018, China)

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014

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(College of Food Science and Technology, Huazhong Agricultural University, Wuhan 430070, China)

Understanding the shielding effects of whey protein on mulberry anthocyanins: Insights from multispectral and molecular modelling investigations

International Journal of Biological Macromolecules 119:116-124 (English)

015

Liang QQ; Wang QI; Wang Y; Wang YN; Jia H; Jiang MM; (2018)

(Tianjin State Key Laboratory of Modern Chinese Medicine, Tianjin University of Traditional Chinese Medicine, Tianjin 300193, China)

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Scientific Reports 8:12120 (English)

017

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(Tianjin Key Laboratory for Modern Drug Delivery High-Efficiency, School of Pharmaceutical Science and Technology, Tianjin University, Tianjin 300072, PR China)

Effect of different drying methods on the physicochemical properties and antioxidant activities of mulberry leaves polysaccharides

International Journal of Biological Macromolecules 119:1137-1143 (English)

018

Nagaveni V; Shree MP; Mahadeva A ; (2018)

(Department of Studies in Sericulture, Bangalore University, Jnana Bharati Campus, Bengaluru 560056, India)

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019

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(Corporación Colombiana de Investigación Agropecuaria (Corpoica), Centro De Investigación Obonuco. Kilómetro 5, Vía Pasto-Obonuco, San Juan de Pasto, Nariño, Colombia)

Agronomical, Physiological and Biochemical Characterization of Chinese Mulberry Cultivars under Cuban Tropical Conditions

Indian Horticulture Journal 8(1):25-30 (English)

020

Shen WZ; Zou YX; Liu F; Lin GY; Liao S; (2018)

(Laboratory of functional Foods, Ministry of Agriculture, Guangdong, China)

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Canye Kexue 44(5):783-786 (Chinese)

021

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(School of Food Science and Engineering, Qilu University of Technology (Shandong Academy of Sciences), Jinan, China)

Partial least squares and canonical correlation analysis of chemical constituents and active ingredients of new types of Chinese mulberries

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(National Engineering Laboratory of Intelligent Food Technology and Equipment, Key Laboratory for Agro-Products Post harvest Handling of Ministry of Agriculture, Zhejiang, Hangzhou 310058, China)

Comparison of the protective effect of black and white mulberry against ethy 1 carbamate-induced cytotoxicity and oxidative damage

Food Chemistry 243:65-73 (English)

023

Vijayan K; Jayarama Raju P; Singhvi NR; Ravikumar G ; (2017)

(Central Silk Board, BTM Layout, Madiwala, Bengaluru 560 068, India)

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Sericologia 57(4):185-197 (English)

024

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(Hygiene Detection Center, Guangdong Provincial Key Laboratory of Tropical Disease Research, School of Public Health, Southern Medical University, Guangzhou 510515, China)

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Food Chemistry 251:110-114 (English)

025

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026

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(State Key Laboratory of Food Science and Technology, Nanchang University, Nanchang, Jiangxi, China)

Nutritional and functional components of mulberry leaves from different varieties: Evaluation of their potential as food materials

International Journal of Food Properties 21(1):1495-1507 (English)

027

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028

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(College of Resources and Environment, Northeast Agricultural University, Harbin, China)

Rootstock Alleviates Salt Stress in Grafted Mulberry Seedlings: Physiological and PSII Function Responses

Frontiers in Plant Science 9:1806 (English)

029

Zhang J; Yan XP; Li YI; Huang RZ; Shao YY; Jiang SM; Jiang YB; Zou XG; (2018)

(Sericultural Research Institute of Human Province, Changsha 410127, China)

Determination and analysis on Alkaloids contents in leaves of main mulberry varieties cultivated in Hunan province

Canye Kexue 44(6):916-922 (Chinese)

030

Zhang MJ; Li ZL; Jiao F; Chao S; (2018)

(Institute of Sericulture and Silk, Northwest A F University, Yangling Shaanxi 712 100, China)

Anatomical Structures of stem and leaf from eight mulberry varieties and their correlation ship with drought tolerance

Canye Kexue 44(4):516-522 (Chinese)

031

Zhang MM; Wang N; Hu BY; Sun GY; (2018)

(College of Life Science, Northeast Forestry University, Harbin, Heilongjiang, China)

Changes in soil physicochemical properties and soil bacterial community in mulberry (*Morus alba* L.)/alfalfa (Medicago sativa L.) intercropping system

Microbiology Open 7(2):e00555 (English)

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Dail FW; Zhao XI; Tang CM; Wang ZJ; Kuang ZS; Li Z; Huang J; Luo GQ; (2018)

(Sericultural Agri-Food Research Institute, Guangdong Academy of Agricultural Sciences, Guangzhou, China)

Identification and validation of reference genes for qRT-PCR analysis in mulberry (*Morus alba* L.)

Plos One 13(3):e194129 (English)

033

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(State Key Laboratory of Silkworm Genome Biology, Key Laboratory of Sericultural Biology and Genetic Breeding, Ministry of Agriculture, Southwest University, Chongqing 400716, China)

Two mulberry phytochelatin synthase genes confer zinc/cadmium tolerance and accumulation in transgenic Arabidopsis and tobacco

Gene 645:95-104 (English)

034

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(Key Laboratory of Silkworm and Mulberry Genetic Improvement, Ministry of Agriculture, School of Biology and Technology, Jiangsu University of Science and Technology, Zhenjiang, Jiangsu 212018, China)

Molecular cloning and induced expression of the plasma membrane intrinsic protein gene and promoter from mulberry (*Morus multicaulis*)

Canadian Journal of Plant Science 98(6):1245-1253 (English)

035

Li RX; Li L; Dominic K; Wang TC; Fan T; Hu F; Wang YI; Zhang L; Zhao WG; (2018)

(Key Laboratory of Silkworm and Mulberry Genetic Improvement, Ministry of Agriculture, School of Biology and Technology, Jiangsu University of Science and Technology, Zhenjiang, Jiangsu, China)

Mulberry (*Morus alba*) Mm SK gene enhances tolerance to drought stress in transgenic mulberry

Plant Physiology and Biochemistry 132:603-611 (English)

036

Li ZG; Liu SJ; Wei D; Ding TL; Ruifa R; Chu Y; Ping H; (2018)

(The Sericultural Apicultural Research Institute, Yunnan Academy of Agricultural Sciences, Mengzi Yunnan 661101, China)

An experiment on plant regeneration from tissue culture of in vitro winter buds of medicinal mulberry and from cottage propagation of branches

Canye Kexue 44(3):367-375 (Chinese)

037

Li ZG; Ran R; Liu SJ; Yang W; Wei D; Song C; Chu YN; Ping H; (2018)

(The Sericultural Apicultural Research Institute, Yunnan Academy of Agricultural Sciences, Mengzi Yunnan 661101, China)

Preliminary report on breeding of new mulberry variety Yunsang 5

Canye Kexue 44(2):329-335 (Chinese)

038

Pinto MV; Poornima HS; Sivaprasad V; Girish Naik V ; (2018)

(Molecular Biology Laboratory-1, Central Sericultural Research and Training Institute, Srirampura, Manandavadi Road, Mysuru 570 008, Karnataka)

A new set of mulberry -specific SSR markers for application in cultivar identification and DUS testing

Journal of Genetics 97(1):e31-e37 (English)

039

Pinto MV; Poornima HS; Rukmangada MS; Triveni R; Girish Naik V ; (2018)

(Molecular Biology Laboratory- 1, Central Sericultural Research and Training Institute, Mysuru, RSRS, Chamarajanagar, Karnataka, India)

Association mapping of quantitative resistance to charcoal root rot in mulberry germplasm

Plos One 13(7):e0200099 (English)

1. 4. Host Plant Diseases

040

Akanksha C; Srivastava RP ; (2018)

(Insecticide Toxicology Laboratory Department of Entomology, College of Agriculture, Govind Ballabh Pant University of Agriculture and Technology, Pantnagar-263 145, Uttarakhand, India)

Persistent toxicity of some insecticides against Spilosoma obliqua (Walker) on rajmah and mulberry plants

Journal of Entomological Research 42(1):81-86 (English)

041

Bandyopadhyay UK; Santha Kumar MV; Chatterjee S; Maji C; Bindroo BB ; (2018)

(Authors are Scientist (Retd.), Central Silk Board, Bangalore)

Leaf Webber in mulberry and its management

Indian Silk 9(5-6):8-10 (English)

042

Gai YP; Zhao HN; Zhao YN; Zhu BS; Yuan SS; Li S; Guo FY; Ji XL; (2018)

(State Key Laboratory of Crop Biology, Shandong Agricultural University, Taian, Shandong, 271018, People's Republic of China)

MiRNA-seq-based profiles of miRNAs in mulberry phloem sap provide insight into the pathogenic mechanisms of mulberry yellow dwarf disease

Scientific Reports 8:812 (English)

043

Gani M; Chouhan S; Bharath Kumar; Bhat AH; Ahmad MN; Ghosh MK ; (2017)

(Central Sericultural Research and Training Institute, Central Silk Board, Pampore 192121, Jammu Kashmir, India)

Incidence, distribution and management of root rot disease of mulberry in sericulture practicing areas of Kashmir, India

Sericologia 57(4):198-205 (English)

044

Jiang XJ; Chai JP; Su ZG; Luo YJ; (2018)

(Institute of Sericulture and Apiculture, Yunnan Academy of Agricultural Sciences, Mengzi Yunnan 661100, China)

Major biological characteristics of Phloeospora maculans causing mulberry brown spot disease

Canye Kexue 44(4):523-529 (Chinese)

045

Lalitha N; Chatterjee H; Santhkumar MV; Poorani J; Nirmal Kumar S ; (2018)

(Eri Silkworm Seed Production Centre, Central Silk Board, Bongara, Guwahati, Assam, India)

Inventory and population assessment of native predators attacking mealybugs infesting mulberry in west bengal

Sericologia 58(2):112-122 (English)

046

Negi K; Srivastava RP ; (2018)

(Insecticide Toxicology Laboratory Department of Entomology, College of Agriculture, Govind Ballabh Pant University of Agriculture and Technology, Pantnagar-263 145, Uttarakhand, India)

Persistent toxicity of certain newer insecticides on mulberry, rajmah bean and mung bean plants against Spodoptera litura (Fabricius)

Journal of Entomological Research 42(3):361-368 (English)

047

Somaprakash DS; Mary Josepha AV; Krishnan CR; Sivaprasad V ; (2018)

(Central Sericultural Research and Training Institute, Srirampura, Manandavadi Road, Mysuru 570 008, Karnataka)

Stem borer attack on mulberry

Indian Silk 9(3-4):14 (English)

048

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(Molecular Biology Lab-1, Central Sericultural Research and Training Institute, Mysuru, India)

Characterization and correlation of pathogenicity of Botryodiplodia theobromaeisolates, the causal agent of black root rot of mulberry (*Morus* spp.)

Archives of Phytopathology and Pant Protection 51(19-20):1022-1038 (English)

049

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(Institute of Sericulture and Apiculture, Yunnan Academy of Agriculture Science, Mengzi Yunnan 661101, China)

Occurrence and control of mulberry brown spot disease in Yunnan

Canye Kexue 44(5):778-782 (Chinese)

050

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(College of Boitechnology, Jiangsu University of Science and Technology, Zhenjiang Jiangsu 212018, China)

Establishment and application of nucleic acid spot hybridization method used for detection of mulberry crinkle leaf virus

Canye Kexue 44(6):828-833 (Chinese)

051

Xu Y; Song WM; Zhu D; Zhang DY; Sheng S; Wang J; Wu F; (2018)

(College of Biotechnology, Jiangsu University of Science and Technology, Zhenjiang Jiangsu 212018, China)

Study on Inhibitory activity of propolis residue extracts against ralstonia solanacearum

Canye Kexue 44(2):0205-0215 (Chinese)

052

Zeng YH; Ling W; Huang GQ; Zhu HQ; Zeng Z; Liu G; Yin Hao; Wang XJ; Xia CL; (2018)

(Sericultural Research Institute, Sichuan Academy of Agricultural, Nanchong Sichuan 637000, China)

Identification of mulberry fruit sclerotiniose pathogen by rDNA- ITS analysis

Canye Kexue 44(6):962-967 (Chinese)

053

Zhang CP; Yu SF; Liu SG; Ma HY; Shen G; Lin C; (2018)

(Tiantai Bureau of Special forestry products, Tiantai Zhejiang 317200, China)

A Study on appropriate drug applying period and control methods against mulberry sclerotium disease.

Canye Kexue 44(2):0216-0225 (Chinese)

2. SILKWORM

2. 1. Silkworm Rearing Technology

054

Sakthivel N; (2018)

(RSRS Salem)

Fogging technology : Maintenance of micro - climate in rearing house

Indian Silk 9(5-6):4-7 (English)

2. 2. Silkworm Physiology and Biochemistry

055

Abbas MN; Kausar S; Sun YX; Tian JW; Zhu BJ; Liu CL; (2018)

(College of Life Sciences, Anhui Agricultural University, Hefei 230036, China)

Suppressor of cytokine signaling 6 can enhance epidermal growth factor receptor signaling pathway in *Bombyx mori* (Dazao)

Developmental Comparative Immunology 81:187-192 (English)

056

Abdelli N; Peng L; Keping C; (2018)

(School of Food and Biological Engineering Jiangsu UniversityZhenjiangPR China)

Silkworm, *Bombyx mori*, as an alternative model organism in toxicological research

Environmental Science and Pollution Research 25(35):35048-35054 (English)

057

Bhatia NK; (2018)

(Silkworm Seed Production Centre, National Silkworm Seed Organization, Central Silk Board, Laddan Power House Road, Udhampur (J K) 182101, India)

Assessment of host plant suitability for best silk production efficiency and post cocoon attributes of Antheraea Mylitta in uttarakhand

Sericologia 58(1):28-47 (English)

058

Biswas TD; Saha AK; Bindroo BB; Nirmal Kumar S ; (2018)

(Central Sericultural Research and Training Institute, Berhampore)

Seed crop production in West Bengal: Scope for improvement

Indian Silk 9(3-4):12-13 (English)

059

Chen HX; Liu YQ; Wang WB; Olatunji OJ; Pan G; Ouyang Z; (2018)

(School of Food and Biological Engineering, Jiangsu University, Zhenjiang, China)

Proteomic-Based Approach to the Proteins Involved in 1-Deoxynojirimycin Accumulation in Silkworm *Bombyx mori* (Lepidoptera: Bombycidae)

Journal of Insect Science 18(2):42;1-8 (English)

060

Cui Y; Zhu Y; Lin YJ; Chen L; Feng QL; (2018)

(Guangzhou Key Laboratory of Insect Development Regulation and Application Research, Institute of Insect Science and Technology, School of Life Sciences, South China Normal University, Guangzhou, 510631, China)

New insight into the mechanism underlying the silk gland biological process by knocking out fibroin heavy chain in the silkworm

BMC Genomics 19(1):215 (English)

061

Decker RE; Harris TI; Memmott DR; Peterson CJ; Lewis RV; Jones JA; (2018)

(Department of Biological Engineering, Utah State University, Logan, Utah, 84322, United States)

Method for the Destruction of Endotoxin in Synthetic Spider Silk Proteins

Scientific Reports 8:12166 (English)

062

Dong HL; Zhang SX; Chen ZH; Tao H; Xue Li ; Qiu JF; Cui WZ; Sima YH; Cui WZ; Xu SQ; (2018)

(School of Biology and Basic Medical Sciences, Medical College, Soochow University, Suzhou 215123, China)

Differences in gut microbiota between silkworms (*Bombyx mori*) reared on fresh mulberry (*Morus alba* var. *multicaulis*) leaves or an artificial diet

RSC Advances 8(46):26188-26200 (English)

063

Fujii T; Sakurai T; Ito K; Yokoyama T; Kanzaki R; (2018)

(Department of Science of Biological Production, Graduate School of Agricultural Science, Tokyo University of Agricultural and Technology, 3-5-8 Saiwai-cho, Fuchu-shi, Tokyo 183-8509, Japan)

Lipid droplets in the pheromone gland of wild silkmoth Bombyx mandarina

Journal of Insect Biotechnology and Sericology 87(2):29-34 (English)

064

Gao J; Sun Y; Sun YU; Chen, C; Kausar S; Tian J; Zhu BJ; Liu CL; (2018)

(College of Life Sciences, Anhui Agricultural University, 130 Changjiang West Road, Hefei 230036, China)

Identification and function of cAMP response element binding protein in Oak silkworm Antheraea pernyi

Journal of Invertebrate Pathology 151:14-20 (English)

065

Guo PC; Wang Q; Wang Z; Dong ZM; He HW; Zhao P; (2018)

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Canye Kexue 44(2):283-289 (Chinese)

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Canye Kexue 44(2):290-296 (Chinese)

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Canye Kexue 44(4):551-559 (Chinese)

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Sericologia 58(3-4):189-197 (English)

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Sericologia 57(4):206-211 (English)

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Sericologia 58(3-4):172-180 (English)

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Materials 11(10):1842 (English)

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