

# Young Ho Koh

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

4,311  
citations

471509

17  
h-index

123424

61  
g-index

69  
all docs

69  
docs citations

69  
times ranked

10726  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of a fall armyworm ( <i>Spodoptera frugiperda</i> )-specific gene and development of a rapid and sensitive loop-mediated isothermal amplification assay. <i>Scientific Reports</i> , 2022, 12, 874.	3.3	5
2	PTEN-Induced Putative Kinase 1 Dysfunction Accelerates Synucleinopathy. <i>Journal of Parkinson's Disease</i> , 2022, 12, 1201-1217.	2.8	4
3	Effects of Temperature and Overwintering on Insecticide Toxicity to Small Brown Planthopper. <i>Nong'yag Gwahag Hoeji</i> , 2022, 26, 27-33.	0.5	0
4	Sericulture and the edible-insect industry can help humanity survive: insects are more than just bugs, food, or feed. <i>Food Science and Biotechnology</i> , 2022, 31, 657-668.	2.6	12
5	Temperature-independent increase in the detoxifying enzyme activity of insecticide-resistant small brown planthoppers and <i>Drosophila</i> . <i>Journal of Asia-Pacific Entomology</i> , 2021, 24, 70-76.	0.9	4
6	Synergistic Neuroprotective Effects of Mature Silkworm and <i>Angelica gigas</i> Against Scopolamine-Induced Mild Cognitive Impairment in Mice and H <sub>2</sub> O <sub>2</sub> -Induced Cell Death in HT22 Mouse Hippocampal Neuronal Cells. <i>Journal of Medicinal Food</i> , 2021, 24, 505-516.	1.5	3
7	Alteration of unfolded protein responses and autophagy signaling represented the molecular basis underlying saccharin toxicity to <i>Drosophila</i> (Diptera: Drosophilidae). <i>Archives of Insect Biochemistry and Physiology</i> , 2021, 107, e21826.	1.5	2
8	The additive memory and healthspan enhancement effects by the combined treatment of mature silkworm powders and Korean angelica extracts. <i>Journal of Ethnopharmacology</i> , 2021, 281, 114520.	4.1	6
9	Temporal Evolution of Inflammation and Neurodegeneration With Alpha-Synuclein Propagation in Parkinson's Disease Mouse Model. <i>Frontiers in Integrative Neuroscience</i> , 2021, 15, 715190.	2.1	12
10	An easy brain thickâ€œsectionâ€œclearing protocol to observe antigens in the brains of neurological disease mouse models by conventional epifluorescence and confocal laser scanning microscopy. <i>Microscopy Research and Technique</i> , 2021, , .	2.2	0
11	Evaluating the Memory Enhancing Effects of <i>Angelica gigas</i> in Mouse Models of Mild Cognitive Impairments. <i>Nutrients</i> , 2020, 12, 97.	4.1	13
12	Pine wood nematode (PWN)-secretory antigen 571 as a biomarker for the PWN and its monoclonal antibodies for detecting PWN and its infected pine tree. <i>Journal of Asia-Pacific Entomology</i> , 2020, 23, 832-839.	0.9	1
13	Mature silkworm powders ameliorated scopolamine-induced amnesia by enhancing mitochondrial functions in the brains of mice. <i>Journal of Functional Foods</i> , 2020, 67, 103886.	3.4	10
14	The complete mitochondrial genome of <i>Laodelphax striatellus</i> (FallÃ©n, 1826) (Hemiptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2019, 4, 2242-2243.	0.4	17
15	Developing molecular diagnostics for detection of red imported fire ants using two genes, Sinv11108 and Sinv11977. <i>Archives of Insect Biochemistry and Physiology</i> , 2019, 102, e21610.	1.5	5
16	Comparative Transcriptome Analysis of <i>Pinus densiflora</i> Following Inoculation with Pathogenic ( <i>Bursaphelenchus xylophilus</i> ) or Non-pathogenic Nematodes ( <i>B. thailandae</i> ). <i>Scientific Reports</i> , 2019, 9, 12180.	3.3	19
17	The complete mitochondrial genome of <i>Laodelphax striatellus</i> (FallÃ©n, 1826) (Hemiptera: Tj ETQq1 1 0.784314 rgBT /Overlock Resources, 2019, 4, 2229-2230.	0.4	20
18	Identification of Aldose Reductase 1 as a pine wood nematode secretory enzyme and generation and characterization of its monoclonal antibodies. <i>Journal of Asia-Pacific Entomology</i> , 2019, 22, 233-238.	0.9	3

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19	Coding and long non-coding RNAs regulating adult migratory locust ( <i>Locusta migratoria</i> ) brain polyphenism revealed via whole transcriptome analyses. <i>Journal of Asia-Pacific Entomology</i> , 2018, 21, 58-68.	0.9	4
20	Regulation of synaptic architecture and synaptic vesicle pools by Nervous wreck at <i>Drosophila</i> Type 1b glutamatergic synapses. <i>Experimental and Molecular Medicine</i> , 2018, 50, e462-e462.	7.7	5
21	An investigation of the molecular and biochemical basis underlying chlorantraniliprole-resistant <i>Drosophila</i> strains and their cross-resistance to other insecticides. <i>Archives of Insect Biochemistry and Physiology</i> , 2018, 99, e21514.	1.5	9
22	Development of a highly accurate and sensitive diagnostic tool for pyrethroid-resistant chimeric P450 CYP337B3 of <i>Helicoverpa armigera</i> using loop-mediated isothermal amplification. <i>Archives of Insect Biochemistry and Physiology</i> , 2018, 99, e21504.	1.5	11
23	Bioactivity and molecular characterization of bombolitins from <i>Bombus ardens</i> , <i>B. consobrinus</i> , <i>B. terrestris</i> and <i>B. ussurensis</i> . <i>Journal of Asia-Pacific Entomology</i> , 2017, 20, 1190-1196.	0.9	4
24	ExpansinB3 as a marker for detecting pine wood nematode-infected pine trees. <i>Journal of Asia-Pacific Entomology</i> , 2017, 20, 1228-1233.	0.9	6
25	Identification of microRNAs and their target transcripts in the migratory locust adult brain revealed their roles in the epigenetic regulation of polyphenisms. <i>Journal of Asia-Pacific Entomology</i> , 2017, 20, 1396-1401.	0.9	2
26	Phytochemicals and silk proteins in mature silkworm powders responsible for extended life expectancy and enhanced resistances to Parkinson's disease. <i>Journal of Asia-Pacific Entomology</i> , 2017, 20, 1425-1433.	0.9	8
27	Comparison of nutrient compositions and pharmacological effects of steamed and freeze-dried mature silkworm powders generated by four silkworm varieties. <i>Journal of Asia-Pacific Entomology</i> , 2017, 20, 1410-1418.	0.9	16
28	<i>Drosophila</i> Torsin Protein Regulates Motor Control and Stress Sensitivity and Forms a Complex with Fragile-X Mental Retardation Protein. <i>Neural Plasticity</i> , 2016, 2016, 1-14.	2.2	2
29	<i>Journal of Alzheimers Disease &amp; Parkinsonism.</i> , 2016, 06, .		1
30	Selective anti-tumor activities of venom peptides from the lesser paper wasp <i>Parapolybia varia</i> . <i>Journal of Asia-Pacific Entomology</i> , 2016, 19, 821-828.	0.9	7
31	Nutrient compositions of <i>Bombyx mori</i> mature silkworm larval powders suggest their possible health improvement effects in humans. <i>Journal of Asia-Pacific Entomology</i> , 2016, 19, 1027-1033.	0.9	27
32	Rapid and highly accurate detection of <i>Drosophila suzukii</i> , spotted wing <i>Drosophila</i> (Diptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 2016, 19, 1211-1216.	0.9	15
33	Increased healthspan and resistance to Parkinson's disease in <i>Drosophila</i> by boiled and freeze-dried mature silk worm larval powder. <i>Journal of Asia-Pacific Entomology</i> , 2016, 19, 551-561.	0.9	19
34	The Biochemical Adaptations of Spotted Wing <i>Drosophila</i> (Diptera: Drosophilidae) to Fresh Fruits Reduced Fructose Concentrations and Glutathione-S Transferase Activities. <i>Journal of Economic Entomology</i> , 2016, 109, 973-981.	1.8	29
35	Establishment of Chlorantraniliprole-Resistant <i>Drosophila</i> Strains and Identification of Their Resistant Characteristics. <i>Korean Journal of Applied Entomology</i> , 2016, , 413-419.	0.3	4
36	Nutrition composition differences among steamed and freeze-dried mature silkworm larval powders made from 3 <i>Bombyx mori</i> varieties weaving different colored cocoons. <i>International Journal of Industrial Entomology</i> , 2016, 33, 6-14.	0.1	9

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37	Comparative bioactivities of mastoparans from social hornets <i>Vespa crabro</i> and <i>Vespa analis</i> . <i>Journal of Asia-Pacific Entomology</i> , 2015, 18, 825-829.	0.9	17
38	Comparative functional venomomics of social hornets <i>Vespa crabro</i> and <i>Vespa analis</i> . <i>Journal of Asia-Pacific Entomology</i> , 2015, 18, 815-823.	0.9	19
39	The pathogenic human Torsin A in <i>Drosophila</i> activates the unfolded protein response and increases susceptibility to oxidative stress. <i>BMC Genomics</i> , 2015, 16, 338.	2.8	17
40	Induction of soluble AChE expression via alternative splicing by chemical stress in <i>Drosophila melanogaster</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2014, 48, 75-82.	2.7	41
41	Identification and biochemical analysis of a novel pectate lyase 3 gene in <i>Bursaphelenchus xylophilus</i> . <i>Journal of Asia-Pacific Entomology</i> , 2013, 16, 335-342.	0.9	4
42	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
43	<i>Bacillus thuringiensis</i> isolates from Korean forest environments. <i>Journal of Asia-Pacific Entomology</i> , 2012, 15, 237-239.	0.9	3
44	Molecular properties of a venom allergen-like protein suggest a parasitic function in the pinewood nematode <i>Bursaphelenchus xylophilus</i> . <i>International Journal for Parasitology</i> , 2012, 42, 63-70.	3.1	40
45	Identification and Characterization of Expansins from <i>Bursaphelenchus xylophilus</i> (Nematoda: Tj ETQq1 1 0.784314rgBT /Oyerlock I	1.7	1
46	Normal prion protein in <i>Drosophila</i> enhances the toxicity of pathogenic polyglutamine proteins and alters susceptibility to oxidative and autophagy signaling modulators. <i>Biochemical and Biophysical Research Communications</i> , 2011, 404, 638-645.	2.1	15
47	RNA interference of pheromone biosynthesis-activating neuropeptide receptor suppresses mating behavior by inhibiting sex pheromone production in <i>Plutella xylostella</i> (L.). <i>Insect Biochemistry and Molecular Biology</i> , 2011, 41, 236-243.	2.7	49
48	Comparison of the humoral and cellular immune responses between body and head lice following bacterial challenge. <i>Insect Biochemistry and Molecular Biology</i> , 2011, 41, 332-339.	2.7	68
49	Three acetylcholinesterases of the pinewood nematode, <i>Bursaphelenchus xylophilus</i> : Insights into distinct physiological functions. <i>Molecular and Biochemical Parasitology</i> , 2011, 175, 154-161.	1.1	20
50	RNA interference of PBAN receptor suppresses expression of two fatty acid desaturases in female <i>Plutella xylostella</i> . <i>Journal of Asia-Pacific Entomology</i> , 2011, 14, 405-410.	0.9	6
51	Pharmacogenetic Regulation of Acetylcholinesterase Activity in <i>Drosophila</i> Reveals the Regulatory Mechanisms of AChE Inhibitors in Synaptic Plasticity. <i>Neurochemical Research</i> , 2011, 36, 879-893.	3.3	12
52	Proteomic and biochemical analyses reveal the activation of unfolded protein response, ERK-1/2 and ribosomal protein S6 signaling in experimental autoimmune myocarditis rat model. <i>BMC Genomics</i> , 2011, 12, 520.	2.8	15
53	A Combination of Biochemical and Proteomic Analyses Reveals Bx-LEC-1 as an Antigenic Target for the Monoclonal Antibody 3-2A7-2H5-D9-F10 Specific to the Pine Wood Nematode. <i>Molecular and Cellular Proteomics</i> , 2011, 10, S1-S13.	3.8	10
54	A Soluble Acetylcholinesterase Provides Chemical Defense against Xenobiotics in the Pinewood Nematode. <i>PLoS ONE</i> , 2011, 6, e19063.	2.5	50

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55	Alterations in both acetylcholinesterase activity and synaptic scaffolding protein localization in the nervous system of <i>Drosophila</i> presenilin mutants. <i>Journal of Asia-Pacific Entomology</i> , 2010, 13, 339-343.	0.9	5
56	A three-dimensional hierarchical collagen scaffold fabricated by a combined solid freeform fabrication (SFF) and electrospinning process to enhance mesenchymal stem cell (MSC) proliferation. <i>Journal of Micromechanics and Microengineering</i> , 2010, 20, 065015.	2.6	43
57	A <i>Drosophila</i> model of GSS syndrome suggests defects in active zones are responsible for pathogenesis of GSS syndrome. <i>Human Molecular Genetics</i> , 2010, 19, 4474-4489.	2.9	282
58	A Micro-Scale Surface-Structured PCL Scaffold Fabricated by a 3D Plotter and a Chemical Blowing Agent. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010, 21, 159-170.	3.5	10
59	Generation and Characterization of Monoclonal Antibodies Specific to <i>Drosophila</i> presenilin. <i>Hybridoma</i> , 2009, 28, 215-220.	0.4	2
60	Protection against kainate neurotoxicity by ginsenosides: Attenuation of convulsive behavior, mitochondrial dysfunction, and oxidative stress. <i>Journal of Neuroscience Research</i> , 2009, 87, 710-722.	2.9	35
61	Ginsenosides attenuate kainic acid-induced synaptosomal oxidative stress via stimulation of adenosine A2A receptors in rat hippocampus. <i>Behavioural Brain Research</i> , 2009, 197, 239-245.	2.2	22
62	Fabrication of a biocomposite reinforced with hydrophilic eggshell proteins. <i>Biomedical Materials (Bristol)</i> , 2007, 2, 250-256.	3.3	7
63	Mutations of acetylcholinesterase1 contribute to prothiofos-resistance in <i>Plutella xylostella</i> (L.). <i>Biochemical and Biophysical Research Communications</i> , 2007, 353, 591-597.	2.1	70
64	Identification of Novel Endo- $\beta$ -1, 4-glucanase Isoforms from <i>Bursaphelenchus</i> Species (Nemstoda: Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	0.9	1
65	An Alkaline Protease-Digestion of Silkworm Powder Enhances Its Effects Over Healthspan, Autophagy, and Mitochondria Function in a Rotenone-Induced <i>Drosophila</i> Model. <i>Frontiers in Nutrition</i> , 0, 9, .	3.7	4