

# Zhen-peng Kai

## List of Publications by Year in descending order

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23  
papers

687  
citations

840776

11  
h-index

642732

23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

632  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aminic nitrogen-bearing polydentate Schiff base compounds as corrosion inhibitors for iron in acidic media: A quantum chemical calculation. <i>Corrosion Science</i> , 2008, 50, 865-871.	6.6	366
2	Isolation and functional characterization of an allatotropin receptor from <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2011, 41, 804-814.	2.7	50
3	A potential insect growth regulator: Synthesis and bioactivity of an allatostatin mimic. <i>Peptides</i> , 2009, 30, 1249-1253.	2.4	35
4	Synthesis, Biological Activity, and Hologram Quantitative Structure-Activity Relationships of Novel Allatostatin Analogues. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 2652-2658.	5.2	26
5	Design, synthesis and biological activity of peptidomimetic analogs of insect allatostatins. <i>Peptides</i> , 2011, 32, 581-586.	2.4	21
6	MicroRNAs regulate the sesquiterpenoid hormonal pathway in <i>Drosophila</i> and other arthropods. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171827.	2.6	20
7	Peptidomimetics in the Discovery of New Insect Growth Regulators: Studies on the Structure-Activity Relationships of the Core Pentapeptide Region of Allatostatins. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 2478-2485.	5.2	18
8	The study of solution conformation of allatostatins by 2-D NMR and molecular modeling. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006, 1764, 70-75.	2.3	17
9	Enzymes in the juvenile hormone biosynthetic pathway can be potential targets for pest control. <i>Pest Management Science</i> , 2020, 76, 1071-1077.	3.4	17
10	Combretastatin A-4 and Derivatives: Potential Fungicides Targeting Fungal Tubulin. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 746-751.	5.2	14
11	Design, synthesis and anti-proliferative effects in tumor cells of new combretastatin A-4 analogs. <i>Chinese Chemical Letters</i> , 2015, 26, 993-999.	9.0	12
12	A rapid quantitative assay for juvenile hormones and intermediates in the biosynthetic pathway using gas chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2018, 1538, 67-74.	3.7	12
13	Myriapod genomes reveal ancestral horizontal gene transfer and hormonal gene loss in millipedes. <i>Nature Communications</i> , 2022, 13, .	12.8	12
14	Genome of the ramshorn snail <i>Biomphalaria straminea</i> -an obligate intermediate host of schistosomiasis.. <i>GigaScience</i> , 2022, 11, .	6.4	11
15	Discovery and quantitative structure-activity relationship study of lepidopteran HMG-CoA reductase inhibitors as selective insecticides. <i>Pest Management Science</i> , 2017, 73, 1944-1952.	3.4	10
16	Lepidopteran HMG-CoA reductase is a potential selective target for pest control. <i>PeerJ</i> , 2017, 5, e2881.	2.0	9
17	Structure-Based Discovery of Nonpeptide Allatostatin Analogues for Pest Control. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 3644-3650.	5.2	7
18	Concentrations and Related Health Risk Assessment of Pesticides, Phthalates, and Heavy Metals in Strawberries from Shanghai, China. <i>Journal of Food Protection</i> , 2021, 84, 2116-2122.	1.7	7

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19	The discovery of a novel antagonist “ <i>Manduca sexta</i> allatotropin analogue” as an insect midgut active ion transport inhibitor. <i>Pest Management Science</i> , 2016, 72, 2176-2180.	3.4	6
20	3D-QSAR based optimization of insect neuropeptide allatostatin analogs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 890-895.	2.2	6
21	Rethinking Sesquiterpenoids: A Widespread Hormone in Animals. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5998.	4.1	5
22	Discovery of a <i>Manduca sexta</i> Allatotropin Antagonist from a <i>Manduca sexta</i> Allatotropin Receptor Homology Model. <i>Molecules</i> , 2018, 23, 817.	3.8	3
23	Effects of fragrance compounds on growth of the silkworm <i>Bombyx mori</i> . <i>PeerJ</i> , 2021, 9, e11620.	2.0	3