

Dhandapani Gurusamy

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

487
citations

840776

11
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

373
citing authors

#	ARTICLE	IF	CITATIONS
1	Accumulation of dsRNA in endosomes contributes to inefficient RNA interference in the fall armyworm, <i>Spodoptera frugiperda</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2017, 90, 53-60.	2.7	95
2	Double-stranded RNA binding protein, Staufen, is required for the initiation of RNAi in coleopteran insects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8334-8339.	7.1	87
3	Development of CS-TPP-dsRNA nanoparticles to enhance RNAi efficiency in the yellow fever mosquito, <i>Aedes aegypti</i> . <i>Scientific Reports</i> , 2019, 9, 8775.	3.3	66
4	Chitosan nanoparticles help double-stranded RNA escape from endosomes and improve RNA interference in the fall armyworm, <i>Spodoptera frugiperda</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2020, 104, e21677.	1.5	36
5	Lipids help double-stranded RNA in endosomal escape and improve RNA interference in the fall armyworm, <i>Spodoptera frugiperda</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2020, 104, e21678.	1.5	33
6	RNAi for management of Asian long-horned beetle, <i>Anoplophora glabripennis</i> : identification of target genes. <i>Journal of Pest Science</i> , 2020, 93, 823-832.	3.7	23
7	Development of Catechin, Poly-L-lysine, and Double-Stranded RNA Nanoparticles. <i>ACS Applied Bio Materials</i> , 2021, 4, 4310-4318.	4.6	21
8	Polymer-Coated Hydroxyapatite Nanocarrier for Double-Stranded RNA Delivery. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 6811-6818.	5.2	20
9	Genome-wide transcriptomic and proteomic analyses of bollworm-infested developing cotton bolls revealed the genes and pathways involved in the insect pest defence mechanism. <i>Plant Biotechnology Journal</i> , 2016, 14, 1438-1455.	8.3	18
10	RNAi in <i>Spodoptera frugiperda</i> Sf9 Cells via Nanomaterial Mediated Delivery of dsRNA: A Comparison of Poly-L-arginine Polyplexes and Poly-L-arginine-Functionalized Au Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 25645-25657.	8.0	17
11	Protamine-Lipid dsRNA Nanoparticles Improve RNAi Efficiency in the Fall Armyworm, <i>Spodoptera frugiperda</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 6634-6643.	5.2	17
12	Identification and characterization of highly active promoters from the fall armyworm, <i>Spodoptera frugiperda</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2020, 126, 103455.	2.7	16
13	<i>Caenorhabditis elegans</i> systemic RNA interference defective protein 1 enhances RNAi efficiency in a lepidopteran insect, the fall armyworm, in a tissue-specific manner. <i>RNA Biology</i> , 2021, 18, 1291-1299.	3.1	11
14	Transport of orally delivered dsRNA in southern green stink bug, <i>Nezara viridula</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2020, 104, e21692.	1.5	10
15	Improving RNA interference in the southern green stink bug, <i>Nezara viridula</i> . <i>Journal of Pest Science</i> , 2021, 94, 1461-1472.	3.7	8
16	Development of RNAi methods to control the harlequin bug, <i>Murgantia histrionica</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2020, 104, e21690.	1.5	7
17	Double-stranded RNAs targeting inhibitor of apoptosis gene show no significant cross-species activity. <i>Archives of Insect Biochemistry and Physiology</i> , 2020, 104, e21683.	1.5	2
18	Phytochemical Screening of Transgenic and Non-transgenic Leguminous Plant Species. , 2017, , 263-290.		0