

Ladislav Roller

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,820
citations

566801

15
h-index

454577

30
g-index

33
all docs

33
docs citations

33
times ranked

1970
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | The genome of a lepidopteran model insect, the silkworm <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2008, 38, 1036-1045. | 1.2 | 592 |
| 2 | The unique evolution of neuropeptide genes in the silkworm <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2008, 38, 1147-1157. | 1.2 | 269 |
| 3 | Complex steroid-peptide receptor cascade controls insect ecdysis. <i>General and Comparative Endocrinology</i> , 2007, 153, 88-96. | 0.8 | 167 |
| 4 | <i>Bombyx</i> prothoracicostatic peptides activate the sex peptide receptor to regulate ecdysteroid biosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2060-2065. | 3.3 | 122 |
| 5 | Ecdysis triggering hormone signaling in arthropods. <i>Peptides</i> , 2010, 31, 429-441. | 1.2 | 82 |
| 6 | <i>Bombyx</i> orckinins are brain-gut peptides involved in the neuronal regulation of ecdysteroidogenesis. <i>Journal of Comparative Neurology</i> , 2011, 519, 238-246. | 0.9 | 74 |
| 7 | Corazonin and corazonin-like substances in the central nervous system of the Pterygota and Apterygota insects. <i>Cell and Tissue Research</i> , 2003, 312, 393-406. | 1.5 | 73 |
| 8 | Corazonin reduces the spinning rate in the silkworm, <i>Bombyx mori</i> . <i>Journal of Insect Physiology</i> , 2002, 48, 707-714. | 0.9 | 70 |
| 9 | Analysis of lipolysis underlying lactation in the tsetse fly, <i>Glossina morsitans</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2012, 42, 360-370. | 1.2 | 68 |
| 10 | Functional role of 64P, the candidate transmission-blocking vaccine antigen from the tick, <i>Rhipicephalus appendiculatus</i> . <i>International Journal for Parasitology</i> , 2009, 39, 1485-1494. | 1.3 | 37 |
| 11 | <i>Aproceros leucopoda</i> (Hymenoptera: Argidae): An East Asian pest of elms (<i>Ulmus</i> spp.) invading Europe. <i>European Journal of Entomology</i> , 2010, 107, 357-367. | 1.2 | 33 |
| 12 | Expression of RYamide in the nervous and endocrine system of <i>Bombyx mori</i> . <i>Peptides</i> , 2016, 80, 72-79. | 1.2 | 29 |
| 13 | Molecular cloning, expression and identification of the promoter regulatory region for the neuropeptide trissin in the nervous system of the silkworm <i>Bombyx mori</i> . <i>Cell and Tissue Research</i> , 2016, 364, 499-512. | 1.5 | 25 |
| 14 | Molecular cloning of [Thr4, His7]-corazonin (Apime-corazonin) and its distribution in the central nervous system of the honey bee <i>Apis mellifera</i> (Hymenoptera: Apidae). <i>Applied Entomology and Zoology</i> , 2006, 41, 331-338. | 0.6 | 20 |
| 15 | In vitro study of partially hydrolyzed poly(2-ethyl-2-oxazolines) as materials for biomedical applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 157. | 1.7 | 16 |
| 16 | Impact of the Carpathians on the genetic structure of the spruce bark beetle <i>Ips typographus</i> . <i>Journal of Pest Science</i> , 2013, 86, 669-676. | 1.9 | 15 |
| 17 | Enteroendocrine peptides regulate feeding behavior via controlling intestinal contraction of the silkworm <i>Bombyx mori</i> . <i>PLoS ONE</i> , 2019, 14, e0219050. | 1.1 | 15 |
| 18 | Avathrin: a novel thrombin inhibitor derived from a multicopy precursor in the salivary glands of the ixodid tick, <i>Amblyomma variegatum</i> . <i>FASEB Journal</i> , 2017, 31, 2981-2995. | 0.2 | 14 |

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|----|--|-----|-----------|
| 19 | Transgenesis approaches for functional analysis of peptidergic cells in the silkworm <i>Bombyx mori</i> . <i>General and Comparative Endocrinology</i> , 2009, 162, 36-42. | 0.8 | 13 |
| 20 | Immunization with recombinant subolesin does not reduce tick infection with tick-borne encephalitis virus nor protect mice against disease. <i>Vaccine</i> , 2013, 31, 1582-1589. | 1.7 | 13 |
| 21 | Multiple neuropeptides produced by sex-specific neurons control activity of the male accessory glands and gonoducts in the silkworm <i>Bombyx mori</i> . <i>Scientific Reports</i> , 2019, 9, 2253. | 1.6 | 12 |
| 22 | Developmental and sex-specific differences in expression of neuropeptides derived from allatotropin gene in the silkworm <i>Bombyx mori</i> . <i>Cell and Tissue Research</i> , 2017, 368, 259-275. | 1.5 | 11 |
| 23 | Identification and function of ETH receptor networks in the silkworm <i>Bombyx mori</i> . <i>Scientific Reports</i> , 2021, 11, 11693. | 1.6 | 10 |
| 24 | Vasodilatory activity in horsefly and deerfly salivary glands. <i>Medical and Veterinary Entomology</i> , 2003, 17, 395-402. | 0.7 | 9 |
| 25 | Camptothecin, triptolide, and apoptosis inducer kit have differential effects on mitochondria in colorectal carcinoma cells. <i>FEBS Open Bio</i> , 2022, 12, 913-924. | 1.0 | 6 |
| 26 | Seasonal flight activity of sawflies (Hymenoptera, Symphyta) in submontane region of the Western Carpathians, Central Slovakia. <i>Biologia (Poland)</i> , 2006, 61, 193-205. | 0.8 | 5 |
| 27 | Allochthonous blue spruce in Central Europe serves as a host for many native species of sawflies (Hymenoptera, Symphyta). <i>Journal of Hymenoptera Research</i> , 0, 51, 159-169. | 0.8 | 5 |
| 28 | Expression analysis of peptidergic enteroendocrine cells in the silkworm <i>Bombyx mori</i> . <i>Cell and Tissue Research</i> , 2022, 389, 385-407. | 1.5 | 5 |
| 29 | Effects of horsefly (Tabanidae) salivary gland extracts on isolated perfused rat heart. <i>Medical and Veterinary Entomology</i> , 2007, 21, 384-389. | 0.7 | 4 |
| 30 | Gene expression in reproductive organs of tsetse females – initial data in an approach to reduce fecundity. <i>BMC Microbiology</i> , 2018, 18, 144. | 1.3 | 4 |
| 31 | Effects of $\hat{1}^3$ radiation on the reproduction and enteroendocrine cells of the spruce bark beetle <i>Ips typographus</i> and prospects for its control. <i>Biologia (Poland)</i> , 2018, 73, 67-75. | 0.8 | 2 |
| 32 | A New Species of <i>Sciomyza</i> Fall n from Central Europe (Diptera: Sciomyzidae). <i>Mitteilungen Aus Dem Museum Fur Naturkunde in Berlin - Deutsche Entomologische Zeitschrift</i> , 2008, 43, 245-250. | 0.3 | 0 |