

Veronika Urbanová

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

937
citations

567281

15
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

948
citing authors

#	ARTICLE	IF	CITATIONS
1	Knockdown of proteins involved in iron metabolism limits tick reproduction and development. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1033-1038.	7.1	161
2	RNA-seq analyses of the midgut from blood- and serum-fed Ixodes ricinus ticks. Scientific Reports, 2016, 6, 36695.	3.3	85
3	IrAE – An asparaginyl endopeptidase (legumain) in the gut of the hard tick Ixodes ricinus. International Journal for Parasitology, 2007, 37, 713-724.	3.1	79
4	IrAM – An α 2-macroglobulin from the hard tick Ixodes ricinus: Characterization and function in phagocytosis of a potential pathogen Chryseobacterium indologenes. Developmental and Comparative Immunology, 2009, 33, 489-498.	2.3	79
5	Photoperiod regulates growth of male accessory glands through juvenile hormone signaling in the linden bug, Pyrrhocoris apterus. Insect Biochemistry and Molecular Biology, 2016, 70, 184-190.	2.7	70
6	Inherent impurities in 3D-printed electrodes are responsible for catalysis towards water splitting. Journal of Materials Chemistry A, 2020, 8, 1120-1126.	10.3	57
7	Functional Genomics of Tick Thioester-Containing Proteins Reveal the Ancient Origin of the Complement System. Journal of Innate Immunity, 2011, 3, 623-630.	3.8	55
8	Tick Immune System: What Is Known, the Interconnections, the Gaps, and the Challenges. Frontiers in Immunology, 2021, 12, 628054.	4.8	51
9	Thioester-containing proteins of the tick Ixodes ricinus: Gene expression, response to microbial challenge and their role in phagocytosis of the yeast Candida albicans. Developmental and Comparative Immunology, 2015, 48, 55-64.	2.3	36
10	Tracking of <i>Borrelia afzelii</i> Transmission from Infected <i>Ixodes ricinus</i> Nymphs to Mice. Infection and Immunity, 2019, 87, .	2.2	32
11	A comparison of Chryseobacterium indologenes pathogenicity to the soft tick Ornithodoros moubata and hard tick Ixodes ricinus. Journal of Invertebrate Pathology, 2006, 93, 96-104.	3.2	30
12	IrFC – An Ixodes ricinus injury-responsive molecule related to Limulus Factor C. Developmental and Comparative Immunology, 2014, 46, 439-447.	2.3	22
13	Biomedical and bioimaging applications of 2D pnictogens and transition metal dichalcogenides. Nanoscale, 2019, 11, 15770-15782.	5.6	22
14	Tick Thioester-Containing Proteins and Phagocytosis Do Not Affect Transmission of Borrelia afzelii from the Competent Vector Ixodes ricinus. Frontiers in Cellular and Infection Microbiology, 2017, 7, 73.	3.9	21
15	Characterization of Ixodes ricinus Fibrinogen-Related Proteins (Ixoderins) Discloses Their Function in the Tick Innate Immunity. Frontiers in Cellular and Infection Microbiology, 2017, 7, 509.	3.9	20
16	Tick as a Model for the Study of a Primitive Complement System. Advances in Experimental Medicine and Biology, 2012, 710, 83-93.	1.6	19
17	Inducible glutathione S-transferase (IrGST1) from the tick Ixodes ricinus is a haem-binding protein. Insect Biochemistry and Molecular Biology, 2018, 95, 44-54.	2.7	18
18	A combined transcriptomic approach to identify candidates for an anti-tick vaccine blocking B. afzelii transmission. Scientific Reports, 2020, 10, 20061.	3.3	15

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19	Nitrogen-Doped Graphene Aerogel for Simultaneous Detection of Dopamine and Ascorbic Acid in Artificial Cerebrospinal Fluid. <i>Journal of the Electrochemical Society</i> , 2020, 167, 116521.	2.9	12
20	Mialostatin, a Novel Midgut Cystatin from <i>Ixodes ricinus</i> Ticks: Crystal Structure and Regulation of Host Blood Digestion. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5371.	4.1	10
21	The role of complement in the tick cellular immune defense against the entomopathogenic fungus <i>Metarhizium robertsii</i> . <i>Developmental and Comparative Immunology</i> , 2022, 126, 104234.	2.3	10
22	IrC2/Bf – A yeast and <i>Borrelia</i> responsive component of the complement system from the hard tick <i>Ixodes ricinus</i> . <i>Developmental and Comparative Immunology</i> , 2018, 79, 86-94.	2.3	9
23	Identification of Tick <i>Ixodes ricinus</i> Midgut Genes Differentially Expressed During the Transmission of <i>Borrelia afzelii</i> Spirochetes Using a Transcriptomic Approach. <i>Frontiers in Immunology</i> , 2020, 11, 612412.	4.8	6
24	Haem-responsive gene transporter enables mobilization of host haem in ticks. <i>Open Biology</i> , 2021, 11, 210048.	3.6	6
25	Accurate control of the covalent functionalization of single-walled carbon nanotubes for the electro-enzymatically controlled oxidation of biomolecules. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 2750-2762.	2.8	4
26	Lyme disease transmission by severely impaired ticks. <i>Open Biology</i> , 2022, 12, 210244.	3.6	3