

Veronika Urbanová

List of Publications by Year in descending order

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26
papers

937
citations

567281

15
h-index

552781

26
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27
all docs

27
docs citations

27
times ranked

948
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Lyme disease transmission by severely impaired ticks. <i>Open Biology</i> , 2022, 12, 210244.	3.6	3
3	Tick Immune System: What Is Known, the Interconnections, the Gaps, and the Challenges. <i>Frontiers in Immunology</i> , 2021, 12, 628054.	4.8	51
4	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
5	Haem-responsive gene transporter enables mobilization of host haem in ticks. <i>Open Biology</i> , 2021, 11, 210048.	3.6	6
6	Inherent impurities in 3D-printed electrodes are responsible for catalysis towards water splitting. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1120-1126.	10.3	57
7	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
8	A combined transcriptomic approach to identify candidates for an anti-tick vaccine blocking <i>B. afzelii</i> transmission. <i>Scientific Reports</i> , 2020, 10, 20061.	3.3	15
9	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
10	Biomedical and bioimaging applications of 2D pnictogens and transition metal dichalcogenides. <i>Nanoscale</i> , 2019, 11, 15770-15782.	5.6	22
11	Tracking of <i>Borrelia afzelii</i> Transmission from Infected <i>Ixodes ricinus</i> Nymphs to Mice. <i>Infection and Immunity</i> , 2019, 87, .	2.2	32
12	Inducible glutathione S-transferase (IrgST1) from the tick <i>Ixodes ricinus</i> is a haem-binding protein. <i>Insect Biochemistry and Molecular Biology</i> , 2018, 95, 44-54.	2.7	18
13	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
14	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
15	Characterization of <i>Ixodes ricinus</i> Fibrinogen-Related Proteins (Ixoderins) Discloses Their Function in the Tick Innate Immunity. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 509.	3.9	20
16	Tick Thioester-Containing Proteins and Phagocytosis Do Not Affect Transmission of <i>Borrelia afzelii</i> from the Competent Vector <i>Ixodes ricinus</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 73.	3.9	21
17	RNA-seq analyses of the midgut from blood- and serum-fed <i>Ixodes ricinus</i> ticks. <i>Scientific Reports</i> , 2016, 6, 36695.	3.3	85
18	Photoperiod regulates growth of male accessory glands through juvenile hormone signaling in the linden bug, <i>Pyrrhocoris apterus</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2016, 70, 184-190.	2.7	70

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19	Thioester-containing proteins of the tick <i>Ixodes ricinus</i> : Gene expression, response to microbial challenge and their role in phagocytosis of the yeast <i>Candida albicans</i> . <i>Developmental and Comparative Immunology</i> , 2015, 48, 55-64.	2.3	36
20	IrFC – An <i>Ixodes ricinus</i> injury-responsive molecule related to Limulus Factor C. <i>Developmental and Comparative Immunology</i> , 2014, 46, 439-447.	2.3	22
21	Tick as a Model for the Study of a Primitive Complement System. <i>Advances in Experimental Medicine and Biology</i> , 2012, 710, 83-93.	1.6	19
22	Functional Genomics of Tick Thioester-Containing Proteins Reveal the Ancient Origin of the Complement System. <i>Journal of Innate Immunity</i> , 2011, 3, 623-630.	3.8	55
23	Knockdown of proteins involved in iron metabolism limits tick reproduction and development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 1033-1038.	7.1	161
24	IrAM – An α 2-macroglobulin from the hard tick <i>Ixodes ricinus</i> : Characterization and function in phagocytosis of a potential pathogen <i>Chryseobacterium indologenes</i> . <i>Developmental and Comparative Immunology</i> , 2009, 33, 489-498.	2.3	79
25	IrAE – An asparaginyl endopeptidase (legumain) in the gut of the hard tick <i>Ixodes ricinus</i> . <i>International Journal for Parasitology</i> , 2007, 37, 713-724.	3.1	79
26	A comparison of <i>Chryseobacterium indologenes</i> pathogenicity to the soft tick <i>Ornithodoros moubata</i> and hard tick <i>Ixodes ricinus</i> . <i>Journal of Invertebrate Pathology</i> , 2006, 93, 96-104.	3.2	30