

# Elena Bencurova

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9224955/publications.pdf>

Version: 2024-02-01

23  
papers

348  
citations

759233

12  
h-index

839539

18  
g-index

23  
all docs

23  
docs citations

23  
times ranked

490  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Current State-of-the-Art Molecular Dynamics Methods and Applications. <i>Advances in Protein Chemistry and Structural Biology</i> , 2014, 94, 269-313.   | 2.3 | 54        |
| 2  | Detection of West Nile virus and tick-borne encephalitis virus in birds in Slovakia, using a universal primer set. <i>Archives of Virology</i> , 2016, 161, 1679-1683.   | 2.1 | 30        |
| 3  | OspA-CD40 dyad: ligand-receptor interaction in the translocation of neuroinvasive <i>Borrelia</i> across the blood-brain barrier. <i>Scientific Reports</i> , 2011, 1, 86.   | 3.3 | 28        |
| 4  | An insight into the ligand-receptor interactions involved in the translocation of pathogens across blood-brain barrier. <i>FEMS Immunology and Medical Microbiology</i> , 2011, 63, 297-318.                             | 2.7 | 20        |
| 5  | <i>Aspergillus fumigatus</i> Challenged by Human Dendritic Cells: Metabolic and Regulatory Pathway Responses Testify a Tight Battle. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 168.             | 3.9 | 19        |
| 6  | Integrated structural and functional analysis of the protective effects of kinetin against oxidative stress in mammalian cellular systems. <i>Scientific Reports</i> , 2020, 10, 13330.                                  | 3.3 | 18        |
| 7  | Joining the in vitro immunization of alpaca lymphocytes and phage display: rapid and cost effective pipeline for sdAb synthesis. <i>Microbial Cell Factories</i> , 2017, 16, 13.   | 4.0 | 17        |
| 8  | Host use of a specialist lichen-feeder: dealing with lichen secondary metabolites. <i>Oecologia</i> , 2010, 164, 423-430.  | 2.0 | 16        |
| 9  | Variable regions in the sushi domains 6-7 and 19-20 of factor H in animals and human lead to change in the affinity to factor H binding protein of <i>Borrelia</i> . <i>Journal of Proteomics</i> , 2012, 75, 4520-4528. | 2.4 | 14        |
| 10 | A rapid and simple pipeline for synthesis of mRNA-ribosome-V <sub>H</sub> complexes used in single-domain antibody ribosome display. <i>Molecular BioSystems</i> , 2015, 11, 1515-1524.                                  | 2.9 | 13        |
| 11 | Identification of B-cell epitopes of <i>Borrelia burgdorferi</i> outer surface protein C by screening a phage-displayed gene fragment library. <i>Microbiology and Immunology</i> , 2016, 60, 669-677.                   | 1.4 | 13        |
| 12 | The Cytokinin-Activating LOG-Family Proteins Are Not Lysine Decarboxylases. <i>Trends in Biochemical Sciences</i> , 2018, 43, 232-236.   | 7.5 | 13        |
| 13 | Deciphering the protein interaction in adhesion of <i>Francisella tularensis</i> subsp. <i>holarctica</i> to the endothelial cells. <i>Microbial Pathogenesis</i> , 2015, 81, 6-15.                                      | 2.9 | 12        |
| 14 | Deciphering the interface between a CD40 receptor and borrelial ligand OspA. <i>Microbiological Research</i> , 2015, 170, 51-60.   | 5.3 | 12        |
| 15 | Identification of Antifungal Targets Based on Computer Modeling. <i>Journal of Fungi (Basel)</i> , 2020, 6, 1078. <small>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50</small>   | 3.5 | 12        |
| 16 | Omics and bioinformatics applied to vaccine development against <i>Borrelia</i> . <i>Molecular Omics</i> , 2018, 14, 330-340.  | 2.8 | 11        |
| 17 | Development of simple and rapid elution methods for proteins from various affinity beads for their direct MALDI-TOF downstream application. <i>Journal of Proteomics</i> , 2012, 75, 4529-4535.                          | 2.4 | 10        |
| 18 | Exploitation of complement regulatory proteins by <i>Borrelia</i> and <i>Francisella</i> . <i>Molecular BioSystems</i> , 2015, 11, 1684-1695.  | 2.9 | 10        |

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|----|---|-----|-----------|
| 19 | Population-Predicted MHC Class II Epitope Presentation of SARS-CoV-2 Structural Proteins Correlates to the Case Fatality Rates of COVID-19 in Different Countries. International Journal of Molecular Sciences, 2021, 22, 2630. | 4.1 | 10        |
| 20 | Rapid in vitro protein synthesis pipeline: a promising tool for cost-effective protein array design. Molecular BioSystems, 2014, 10, 1236.  | 2.9 | 8         |
| 21 | Topological Analysis of the Carbon-Concentrating CETCH Cycle and a Photorespiratory Bypass Reveals Boosted CO <sub>2</sub> -Sequestration by Plants. Frontiers in Bioengineering and Biotechnology, 2021, 9, 708417.            | 4.1 | 4         |
| 22 | Pathogen and Host-Pathogen Protein Interactions Provide a Key to Identify Novel Drug Targets. , 2021, , 543-553.  |     | 3         |
| 23 | Modeling of shotgun sequencing of DNA plasmids using experimental and theoretical approaches. BMC Bioinformatics, 2020, 21, 132.  | 2.6 | 1         |