Karel Holada

List of Publications by Year
in descending order

61 papers	1,298 citations	394390 19 h-index	361001 35 g-index
62 all docs	62 docs citations	62 times ranked	1718 citing authors

#	Article	IF	Citations
1	Elevated circulating endothelial membrane microparticles in paroxysmal nocturnal haemoglobinuria. British Journal of Haematology, 2004, 125, 804-813.	2.5	115
2	Carbon Nanotubes Activate Blood Platelets by Inducing Extracellular Ca²⁺ Influx Sensitive to Calcium Entry Inhibitors. Nano Letters, 2009, 9, 3312-3317.	9.1	97
3	The effect of protein corona composition on the interaction of carbon nanotubes with human blood platelets. Biomaterials, 2014, 35, 6182-6194.	11.4	91
4	Release of annexin V-binding membrane microparticles from cultured human umbilical vein endothelial cells after treatment with camptothecin. BMC Cell Biology, 2002, 3, 11.	3.0	87
5	Scrapie Infectivity in Hamster Blood Is Not Associated with Platelets. Journal of Virology, 2002, 76, 4649-4650.	3.4	76
6	Different levels of prion protein (PrPc) expression on hamster, mouse and human blood cells. British Journal of Haematology, 2000, 110, 472-480.	2.5	71
7	Carbon Nanotubes Activate Store-Operated Calcium Entry in Human Blood Platelets. ACS Nano, 2011, 5, 5808-5813.	14.6	69
8	Cellular prion protein is expressed on endothelial cells and is released during apoptosis on membrane microparticles found in human plasma. Transfusion, 2002, 42, 334-342.	1.6	63
9	Toxicity of carboxylated carbon nanotubes in endothelial cells is attenuated by stimulation of the autophagic flux with the release of nanomaterial in autophagic vesicles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, e939-e948.	3.3	59
10	Inactivation of Prions Using Electrical DC Discharges at Atmospheric Pressure and Ambient Temperature. Plasma Processes and Polymers, 2011, 8, 316-323.	3.0	47
11	Increased expression of phosphatidylinositol-specific phospholipase C resistant prion proteins on the surface of activated platelets. British Journal of Haematology, 1998, 103, 276-282.	2.5	44
12	Activated platelets of patients with paroxysmal nocturnal hemoglobinuria express cellular prion protein. Blood, 2002, 100, 341-343.	1.4	37
13	Surface Expression of Major Membrane Glycoproteins on Resting and TRAP-Activated Neonatal Platelets. Pediatric Research, 1999, 46, 445-445.	2.3	35
14	Affinity depletion versus relative protein enrichment: a side-by-side comparison of two major strategies for increasing human cerebrospinal fluid proteome coverage. Clinical Proteomics, 2019, 16, 9.	2.1	27
15	Platelet Adhesion to Fibrinogen, Fibrin Monomer, and Fibrin Protofibrils in Flowing Blood - The Effect of Fibrinogen Immobilization and Fibrin Formation. Thrombosis and Haemostasis, 1997, 78, 1125-1131.	3.4	26
16	Expression of Prion Protein in Mouse Erythroid Progenitors and Differentiating Murine Erythroleukemia Cells. PLoS ONE, 2011, 6, e24599.	2.5	22
17	Cellular prion protein in blood platelets associates with both lipid rafts and the cytoskeleton. Thrombosis and Haemostasis, 2009, 102, 966-974.	3.4	21
18	Severe coagulopathy after a bite of a green bush viper (Atheris squamiger): Case report and biochemical analysis of the venom. Toxicon, 1998, 36, 1333-1340.	1.6	20

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19	Underestimation of the expression of cellular prion protein on human red blood cells. Transfusion, 2011, 51, 1012-1021.	1.6	19
20	Transmission of BSE by blood transfusion. Lancet, The, 2000, 356, 1772.	13.7	18
21	Photodynamic effects of meso-tetra(4-sulfonatophenyl) porphine on human leukemia cells HEL andHL6, human lymphocytes and bone marrow progenitor cells. Journal of Photochemistry and Photobiology B: Biology, 1997, 39, 269-278.	3.8	17
22	Photodynamic inactivation of prions by disulfonated hydroxyaluminium phthalocyanine. Journal of General Virology, 2012, 93, 2512-2517.	2.9	16
23	Expression of cellular prion protein on blood cells: Potential functions in cell physiology and pathophysiology of transmissible spongiform encephalopathy diseases. Transfusion Medicine Reviews, 2001, 15, 268-281.	2.0	14
24	Divergent expression of cellular prion protein on blood cells of human and nonhuman primates. Transfusion, 2007, 47, 2223-2232.	1.6	13
25	Platelet membrane receptors during short cardiopulmonary bypass - a flow cytometric study. Perfusion (United Kingdom), 1996, 11, 401-406.	1.0	12
26	Quinacrine reactivity with prion proteins and prion-derived peptides. Amino Acids, 2013, 44, 1279-1292.	2.7	12
27	Reactivity of 9â€aminoacridine drug quinacrine with glutathione limits its antiprion activity. Chemical Biology and Drug Design, 2017, 89, 932-942.	3.2	11
28	An effective â€œthree-in-oneâ€•screening assay for testing drug and nanoparticle toxicity in human endothelial cells. PLoS ONE, 2018, 13, e0206557.	2.5	11
29	CD34+ cells from paroxysmal nocturnal hemoglobinuria (PNH) patients are deficient in surface expression of cellular prion protein (PrP c). Experimental Hematology, 2003, 31, 65-72.	0.4	10
30	Detection of the GPI-anchorless prion protein fragment PrP226* in human brain. BMC Neurology, 2013, 13, 126.	1.8	10
31	Gerstmannâ€“StrÃ¤uslerâ€“Scheinker syndrome with the P102L pathogenic mutation presenting as familial Creutzfeldtâ€“Jakob disease: a case report and review of the literature. Neurocase, 2013, 19, 41-53.	0.6	10
32	Detection of Prions in Brain Homogenates and CSF Samples Using a Second-Generation RT-QuIC Assay: A Useful Tool for Retrospective Analysis of Archived Samples. Pathogens, 2021, 10, 750.	2.8	10
33	Expression of cellular prion protein on platelets from patients with gray platelet or Hermansky-Pudlak syndrome and the protein's association with alpha-granules. Haematologica, 2006, 91, 1126-9.	3.5	10
34	Reduced erythroid cell and erythropoietin production in response to acute anemia in prion protein-deficient (Prnpâ^'/â^') mice. Blood Cells, Molecules, and Diseases, 2008, 40, 302-307.	1.4	8
35	The Contribution of Proteinase-Activated Receptors to Intracellular Signaling, Transcellular Transport and Autophagy in AlzheimerÂ´s Disease. Current Alzheimer Research, 2015, 12, 2-12.	1.4	8
36	Optimization of the photodynamic inactivation of prions by a phthalocyanine photosensitizer: The crucial involvement of singlet oxygen. Journal of Biophotonics, 2019, 12, e201800340.	2.3	8

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37	Changes in cellular prion protein expression, processing and localisation during differentiation of the neuronal cell lineÂCAD 5. Biology of the Cell, 2020, 112, 1-21.	2.0	8
38	Deletion of protease-activated receptor 2 prolongs survival of scrapie-inoculated mice. Journal of General Virology, 2012, 93, 2057-2061.	2.9	7
39	Quantitative proteomic analysis of cerebrospinal fluid of women newly diagnosed with multiple sclerosis. International Journal of Neuroscience, 2022, 132, 724-734.	1.6	6
40	A comparative SAR study of thrombin receptor derived non peptide mimetics: Importance of phenyl/guanidino proximity for activity. Amino Acids, 1998, 15, 211-220.	2.7	5
41	Expression of cellular prion protein on blood cells: Potential functions in cell physiology and pathophysiology of transmissible spongiform encephalopathy diseases1. Transfusion Medicine Reviews, 2001, 15, 268-281.	2.0	5
42	Production, purification and oxidative folding of the mouse recombinant prior protein. Folia Microbiologica, 2007, 52, 391-397.	2.3	5
43	Blood storage affects the detection of cellular prion protein on peripheral blood leukocytes and circulating dendritic cells in part by promoting platelet satellitism. Journal of Immunological Methods, 2012, 380, 65-72.	1.4	5
44	Comparison of rat and human major platelet glycoproteins. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1991, 99, 399-403.	0.2	4
45	Development of Monoclonal Antibodies Specific for Glycated Prion Protein. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2011, 74, 1469-1475.	2.3	4
46	Precision in the design of an experimental study deflects the significance of proteinase-activated receptor 2 expression in scrapie-inoculated mice. Journal of General Virology, 2017, 98, 1563-1569.	2.9	4
47	Versatile modular microelectrophoresis system and the simultaneous preparation of large numbers of polyacrylamide gels. Biomedical Applications, 1991, 563, 184-187.	1.7	3
48	Carbon Nanotubes Activate Platelets by Facilitating Extracellular Ca2+ Influx. Blood, 2008, 112, 992-992.	1.4	3
49	Influence of Prion Gene Downregulation by RNAi on Erythroid Differentiation in Vitro. First Insight.. Blood, 2008, 112, 1338-1338.	1.4	3
50	Characterization of Platelet Antigen for CD45RA Monoclonal Antibodies. Immunobiology, 1995, 192, 272-277.	1.9	2
51	Expression of cellular prion protein on vascular endothelial cells: more evidence than controversies. Transfusion, 2003, 43, 680-681.	1.6	2
52	Expression of the cellular prion protein affects posttransfusion recovery and survival of red blood cells in mice. Transfusion, 2015, 55, 2590-2596.	1.6	2
53	Large Platelet and Endothelial Extracellular Vesicles in Cord Blood of Preterm Newborns: Correlation with the Presence of Hemolysis. Diagnostics, 2021, 11, 1316.	2.6	2
54	Flow Cytometry Analysis of Blood Large Extracellular Vesicles in Patients with Multiple Sclerosis Experiencing Relapse of the Disease. Journal of Clinical Medicine, 2022, 11, 2832.	2.4	2

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55	Binding of prion antibodies to white blood cells of nonhuman primates and the existence of washable pool of cellular prion protein associated with lymphocytes in peripheral blood. Transfusion, 2010, 50, 2063-2065.	1.6	1
56	Expression of Cellular Prion Protein (PrPc) on Human Red Blood Cells.. Blood, 2005, 106, 1898-1898.	1.4	1
57	Endothelial desquamating activity of rat synthetic fibrinopeptide b and its analogues â€œin vivoâ€•: Identification of responsible sequence. Thrombosis Research, 1994, 74, 409-418.	1.7	0
58	Platelets and red cells in PrP Sc propagation in human beings. Lancet, The, 2001, 357, 1044.	13.7	0
59	Cord Blood Extracellular Vesicles Analyzed by Flow Cytometry with Thresholding Using 405 nm or 488 nm Laser Leads to Concurrent Results. Diagnostics, 2021, 11, 1320.	2.6	0
60	Carbon Nanotubes Activate Store Operated Calcium Entry (SOCE) In Human Platelets Manifested by STIM1 Capping. Blood, 2010, 116, 3190-3190.	1.4	0
61	Prion Strains Differ in Susceptibility to Photodynamic Oxidation. Molecules, 2022, 27, 611.	3.8	0