

Viktoria Weber

List of Publications by Year in descending order

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65
papers

2,299
citations

257450
24
h-index

233421
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all docs

66
docs citations

66
times ranked

3612
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of lateral flow assays for SARS-CoV-2 compared to RT-qPCR. <i>Journal of Infection</i> , 2022, 84, 579-613.	3.3	5
2	Heparin-Functionalized Adsorbents Eliminate Central Effectors of Immunothrombosis, including Platelet Factor 4, High-Mobility Group Box 1 Protein and Histones. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1823.	4.1	15
3	Heterogeneity of mesenchymal stem cell-derived extracellular vesicles is highly impacted by the tissue/cell source and culture conditions. <i>Cell and Bioscience</i> , 2022, 12, 51.	4.8	24
4	State of the Art of Chemosensors in a Biomedical Context. <i>Chemosensors</i> , 2022, 10, 199.	3.6	3
5	Desialylation of platelet surface glycans enhances platelet adhesion to adsorbent polymers for lipoprotein apheresis. <i>International Journal of Artificial Organs</i> , 2021, 44, 378-384.	1.4	3
6	A high leukocyte count and administration of hydrocortisone hamper PCR-based diagnostics for bloodstream infections. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2021, 40, 1441-1449.	2.9	6
7	Analysis of Inflammatory Mediator Profiles in Sepsis Patients Reveals That Extracellular Histones Are Strongly Elevated in Nonsurvivors. <i>Mediators of Inflammation</i> , 2021, 2021, 1-13.	3.0	8
8	Extracellular vesicles are associated with C-reactive protein in sepsis. <i>Scientific Reports</i> , 2021, 11, 6996.	3.3	31
9	Comparative Analysis of Platelet-Derived Extracellular Vesicles Using Flow Cytometry and Nanoparticle Tracking Analysis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3839.	4.1	21
10	Genomic and Phenotypic Analysis of Linezolid-Resistant <i>Staphylococcus epidermidis</i> in a Tertiary Hospital in Innsbruck, Austria. <i>Microorganisms</i> , 2021, 9, 1023.	3.6	7
11	Therapeutic plasma exchange (TPE) as a plausible rescue therapy in severe vaccine-induced immune thrombotic thrombocytopenia. <i>Transfusion and Apheresis Science</i> , 2021, 60, 103174.	1.0	17
12	A possible role of gas-phase electrophoretic mobility molecular analysis (nES GEMMA) in extracellular vesicle research. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 7341-7352.	3.7	2
13	Nano electrospray differential mobility analysis based size-selection of liposomes and very-low density lipoprotein particles for offline hyphenation to MALDI mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 179, 112998.	2.8	4
14	Influence of hemoadsorption during cardiopulmonary bypass on blood vesicle count and function. <i>Journal of Translational Medicine</i> , 2020, 18, 202.	4.4	9
15	Extracellular Vesicles Derived From Platelets, Red Blood Cells, and Monocyte-Like Cells Differ Regarding Their Ability to Induce Factor XII-Dependent Thrombin Generation. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 298.	3.7	31
16	Characterization and Chondroprotective Effects of Extracellular Vesicles From Plasma- and Serum-Based Autologous Blood-Derived Products for Osteoarthritis Therapy. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 584050.	4.1	29
17	Influence of antibiotic treatment on the detection of <i>S. aureus</i> in whole blood following pathogen enrichment. <i>BMC Microbiology</i> , 2019, 19, 180.	3.3	10
18	Hypoxia Conditioned Mesenchymal Stem Cell-Derived Extracellular Vesicles Induce Increased Vascular Tube Formation in vitro. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 292.	4.1	129

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19	Storage of human whole blood, but not isolated monocytes, preserves the distribution of monocyte subsets. <i>Biochemical and Biophysical Research Communications</i> , 2019, 517, 709-714.	2.1	17
20	Influence of Platelet Lysate on 2D and 3D Amniotic Mesenchymal Stem Cell Cultures. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 338.	4.1	18
21	Pathogen enrichment from human whole blood for the diagnosis of bloodstream infection: Prospects and limitations. <i>Diagnostic Microbiology and Infectious Disease</i> , 2019, 94, 7-14.	1.8	25
22	Differential Interaction of Platelet-Derived Extracellular Vesicles with Leukocyte Subsets in Human Whole Blood. <i>Scientific Reports</i> , 2018, 8, 6598.	3.3	47
23	Isolation, cultivation, and characterization of human mesenchymal stem cells. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018, 93, 19-31.	1.5	374
24	Differential Interaction of Platelet-Derived Extracellular Vesicles With Circulating Immune Cells: Roles of TAM Receptors, CD11b, and Phosphatidylserine. <i>Frontiers in Immunology</i> , 2018, 9, 2797.	4.8	27
25	Influence of citrate concentration on the activation of blood cells in an in vitro dialysis setup. <i>PLoS ONE</i> , 2018, 13, e0199204.	2.5	7
26	Dynamic Cultivation of Mesenchymal Stem Cell Aggregates. <i>Bioengineering</i> , 2018, 5, 48.	3.5	59
27	Release and cellular origin of extracellular vesicles during circulation of whole blood over adsorbent polymers for lipid apheresis. , 2017, 105, 636-646.		11
28	Clearance of Selected Plasma Cytokines with Continuous Veno-Venous Hemodialysis Using Ultraflux EMI2 versus Ultraflux AV1000S. <i>Blood Purification</i> , 2017, 44, 260-266.	1.8	8
29	Different Potential of Extracellular Vesicles to Support Thrombin Generation: Contributions of Phosphatidylserine, Tissue Factor, and Cellular Origin. <i>Scientific Reports</i> , 2017, 7, 6522.	3.3	125
30	The impact of citrate concentration on adhesion of platelets and leukocytes to adsorbents in whole blood lipoprotein apheresis. <i>Journal of Clinical Apheresis</i> , 2017, 32, 375-383.	1.3	10
31	The Role of Ionized Calcium and Magnesium in Regional Citrate Anticoagulation and its Impact on Inflammatory Parameters. <i>International Journal of Artificial Organs</i> , 2017, 40, 15-21.	1.4	11
32	Biomimetic Principles to Develop Blood Compatible Surfaces. <i>International Journal of Artificial Organs</i> , 2017, 40, 22-30.	1.4	11
33	Mechanisms of Endothelial Activation in Sepsis and Cell Culture Models to Study the Heterogeneous Host Response. <i>International Journal of Artificial Organs</i> , 2017, 40, 9-14.	1.4	4
34	Materials, Surfaces, and Systems for Extracorporeal Therapies and Beyond. <i>International Journal of Artificial Organs</i> , 2017, 40, 1-3.	1.4	0
35	Polystyrene-Divinylbenzene-Based Adsorbents Reduce Endothelial Activation and Monocyte Adhesion Under Septic Conditions in a Pore Size-Dependent Manner. <i>Inflammation</i> , 2016, 39, 1737-1746.	3.8	15
36	Characterization of extracellular vesicles in whole blood: Influence of pre-analytical parameters and visualization of vesicle-cell interactions using imaging flow cytometry. <i>Biochemical and Biophysical Research Communications</i> , 2016, 478, 168-173.	2.1	57

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37	M2 Polarization of Human Macrophages Favors Survival of the Intracellular Pathogen <i>Chlamydia pneumoniae</i> . PLoS ONE, 2015, 10, e0143593.	2.5	101
38	In Memoriam Dieter Falkenhagen (1942–2015): Pioneer, Enthusiast, Visionary. International Journal of Artificial Organs, 2015, 38, 615-616.	1.4	5
39	Human blood monocytes support persistence, but not replication of the intracellular pathogen <i>C. pneumoniae</i> . BMC Immunology, 2014, 15, 60.	2.2	13
40	Adsorption of the Inflammatory Mediator High-Mobility Group Box 1 by Polymers with Different Charge and Porosity. BioMed Research International, 2014, 2014, 1-8.	1.9	6
41	Thrombocyte Adhesion and Release of Extracellular Microvesicles Correlate with Surface Morphology of Adsorbent Polymers for Lipid Apheresis. Biomacromolecules, 2014, 15, 2648-2655.	5.4	20
42	Macroporous Composite Cryogels with Embedded Polystyrene Divinylbenzene Microparticles for the Adsorption of Toxic Metabolites from Blood. Journal of Chemistry, 2013, 2013, 1-8.	1.9	15
43	Monocytes, Peripheral Blood Mononuclear Cells, and THP-1 Cells Exhibit Different Cytokine Expression Patterns following Stimulation with Lipopolysaccharide. Mediators of Inflammation, 2013, 2013, 1-10.	3.0	202
44	Effect of Anticoagulation with Citrate versus Heparin on the Adsorption of Coagulation Factors to Blood Purification Resins with Different Charge. Biomacromolecules, 2012, 13, 484-488.	5.4	8
45	Activation-Dependent Adsorption of Cytokines and Toxins Related to Liver Failure to Carbon Beads. Biomacromolecules, 2011, 12, 3733-3740.	5.4	26
46	Preparation and characterization of cellulose microspheres. Cellulose, 2011, 18, 135-142.	4.9	30
47	Characterization and functionalization of cellulose microbeads for extracorporeal blood purification. Cellulose, 2011, 18, 1257-1263.	4.9	29
48	Enrichment of circulating tumor cells from a large blood volume using leukapheresis and elutriation: Proof of concept. Cytometry Part B - Clinical Cytometry, 2011, 80B, 100-111.	1.5	67
49	Adsorptive Modulation of Inflammatory Mediators Dampens Endothelial Cell Activation. Blood Purification, 2011, 32, 286-295.	1.8	7
50	Functionalization and Application of Cellulose Microparticles as Adsorbents in Extracorporeal Blood Purification. Macromolecular Symposia, 2010, 294, 90-95.	0.7	14
51	Protective effect of resin adsorption on septic plasma-induced tubular injury. Critical Care, 2010, 14, R4.	5.8	42
52	Monitoring of endothelial cell activation in experimental sepsis with a two-step cell culture model. Innate Immunity, 2010, 16, 278-287.	2.4	22
53	Removal of the Uremic Retention Solute <i>p-cresol</i> Using Fractionated Plasma Separation and Adsorption. Artificial Organs, 2008, 32, 214-219.	1.9	60
54	Neutral Styrene Divinylbenzene Copolymers for Adsorption of Toxins in Liver Failure. Biomacromolecules, 2008, 9, 1322-1328.	5.4	70

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55	Efficient Adsorption of Tumor Necrosis Factor with an in vitro Set-Up of the Microspheres-Based Detoxification System. Blood Purification, 2007, 25, 169-174.	1.8	14
56	Magnetic Fluorescent Microparticles as Markers for Particle Transfer in Extracorporeal Blood Purification. Biomacromolecules, 2007, 8, 3693-3696.	5.4	12
57	Fluidized Bed Adsorbent Systems for Extracorporeal Liver Support. Therapeutic Apheresis and Dialysis, 2006, 10, 154-159.	0.9	19
58	Online Hemodiafiltration Does Not Induce Inflammatory Response in End-Stage Renal Disease Patients: Results From a Multicenter Cross-Over Study. Artificial Organs, 2005, 29, 406-412.	1.9	34
59	Development of Specific Adsorbents for Human Tumor Necrosis Factor- α : Influence of Antibody Immobilization on Performance and Biocompatibility. Biomacromolecules, 2005, 6, 1864-1870.	5.4	47
60	Construction of a Functional S-Layer Fusion Protein Comprising an Immunoglobulin G-Binding Domain for Development of Specific Adsorbents for Extracorporeal Blood Purification. Applied and Environmental Microbiology, 2004, 70, 1514-1521.	3.1	106
61	Pyrogen Transfer across High- and Low-flux Hemodialysis Membranes. Artificial Organs, 2004, 28, 210-217.	1.9	54
62	In situ FTIR ATR spectroscopic study of the interaction of immobilized human tumor necrosis factor- α with a monoclonal antibody in aqueous environment. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2004, 1699, 253-261.	2.3	7
63	SUBPOL: A Novel Sucrose-Based Polymer Support for Solid-Phase Peptide Synthesis and Affinity Chromatography Applications. Journal of the American Chemical Society, 2003, 125, 13415-13426.	13.7	35
64	Development of Affinity Microparticles for Extracorporeal Blood Purification Based on Crystalline Bacterial Cell Surface Proteins. Therapeutic Apheresis and Dialysis, 2001, 5, 433-438.	0.9	20
65	Purification and Nucleic-Acid-Binding Properties of a Saccharomyces Cerevisiae Protein Involved in the Control of Ploidy. FEBS Journal, 1997, 249, 309-317.	0.2	34