

# Frank A Schildberg

## List of Publications by Year in descending order

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Version: 2024-02-01

86  
papers

4,567  
citations

218592

26  
h-index

110317

64  
g-index

93  
all docs

93  
docs citations

93  
times ranked

9647  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). <i>European Journal of Immunology</i> , 2019, 49, 1457-1973.	1.6	766
2	Coinhibitory Pathways in the B7-CD28 Ligand-Receptor Family. <i>Immunity</i> , 2016, 44, 955-972.	6.6	462
3	NLRP3 Inflammasome Activity Is Negatively Controlled by miR-223. <i>Journal of Immunology</i> , 2012, 189, 4175-4181.	0.4	402
4	High-density lipoprotein mediates anti-inflammatory reprogramming of macrophages via the transcriptional regulator ATF3. <i>Nature Immunology</i> , 2014, 15, 152-160.	7.0	337
5	B cell homeostasis and follicle confines are governed by fibroblastic reticular cells. <i>Nature Immunology</i> , 2014, 15, 973-981.	7.0	237
6	Guidelines for the use of flow cytometry and cell sorting in immunological studies (third edition). <i>European Journal of Immunology</i> , 2021, 51, 2708-3145.	1.6	198
7	Intrahepatic myeloid-cell aggregates enable local proliferation of CD8+ T cells and successful immunotherapy against chronic viral liver infection. <i>Nature Immunology</i> , 2013, 14, 574-583.	7.0	196
8	The Role of PD-1 in Acute and Chronic Infection. <i>Frontiers in Immunology</i> , 2020, 11, 487.	2.2	167
9	Activated human hepatic stellate cells induce myeloid derived suppressor cells from peripheral blood monocytes in a CD44-dependent fashion. <i>Journal of Hepatology</i> , 2013, 59, 528-535.	1.8	117
10	Angiotensin-II type 1 receptor-mediated Janus kinase 2 activation induces liver fibrosis. <i>Hepatology</i> , 2014, 60, 334-348.	3.6	107
11	Liver sinusoidal endothelial cells veto CD8 T cell activation by antigen-presenting dendritic cells. <i>European Journal of Immunology</i> , 2008, 38, 957-967.	1.6	103
12	Dendritic Cell PD-L1 Limits Autoimmunity and Follicular T Cell Differentiation and Function. <i>Journal of Immunology</i> , 2018, 200, 2592-2602.	0.4	96
13	Osteoimmunology: A Current Update of the Interplay Between Bone and the Immune System. <i>Frontiers in Immunology</i> , 2020, 11, 58.	2.2	96
14	Adenosine regulates CD8 T cell priming by inhibition of membrane-proximal T cell receptor signalling. <i>Immunology</i> , 2009, 128, e728-37.	2.0	94
15	Murine hepatic stellate cells veto CD8 T cell activation by a CD54-dependent mechanism. <i>Hepatology</i> , 2011, 54, 262-272.	3.6	89
16	Follicular Dendritic Cells Retain Infectious HIV in Cycling Endosomes. <i>PLoS Pathogens</i> , 2015, 11, e1005285.	2.1	84
17	Multiple myeloma-related deregulation of bone marrow-derived CD34+ hematopoietic stem and progenitor cells. <i>Blood</i> , 2012, 120, 2620-2630.	0.6	82
18	Fibroblastic reticular cells enhance T cell metabolism and survival via epigenetic remodeling. <i>Nature Immunology</i> , 2019, 20, 1668-1680.	7.0	53

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19	Serum Amyloid A Induces Inflammation, Proliferation and Cell Death in Activated Hepatic Stellate Cells. <i>PLoS ONE</i> , 2016, 11, e0150893.	1.1	52
20	Liver sinusoidal endothelial cells contribute to CD8 T cell tolerance toward circulating carcinoembryonic antigen in mice. <i>Hepatology</i> , 2012, 56, 1924-1933.	3.6	49
21	Role of Selenof as a Gatekeeper of Secreted Disulfide-Rich Glycoproteins. <i>Cell Reports</i> , 2018, 23, 1387-1398.	2.9	49
22	The Effects of Biomaterial Implant Wear Debris on Osteoblasts. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 352.	1.8	46
23	Lymph node fibroblastic reticular cell transplants show robust therapeutic efficacy in high-mortality murine sepsis. <i>Science Translational Medicine</i> , 2014, 6, 249ra109.	5.8	39
24	Articular cartilage regeneration and tissue engineering models: a systematic review. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2019, 139, 305-316.	1.3	39
25	The endocannabinoid <i>N</i> -arachidonoyl dopamine (NADA) selectively induces oxidative stress-mediated cell death in hepatic stellate cells but not in hepatocytes. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 302, G873-G887.	1.6	28
26	The Effect of Dexamethasone and Triiodothyronine on Terminal Differentiation of Primary Bovine Chondrocytes and Chondrogenically Differentiated Mesenchymal Stem Cells. <i>PLoS ONE</i> , 2013, 8, e72973.	1.1	28
27	Cyclic AMP alleviates endoplasmic stress and programmed cell death induced by lipopolysaccharides in human endothelial cells. <i>Cell and Tissue Research</i> , 2005, 320, 91-98.	1.5	27
28	Lack of PPAR $\gamma$ in Myeloid Cells Confers Resistance to <i>Listeria monocytogenes</i> Infection. <i>PLoS ONE</i> , 2012, 7, e37349.	1.1	27
29	Specific expression of $\kappa$ 63-linked ubiquitination of calmodulin-like protein 5 in breast cancer of premenopausal patients. <i>Journal of Cancer Research and Clinical Oncology</i> , 2013, 139, 2125-2132.	1.2	27
30	Transfer of MHC-class-I molecules among liver sinusoidal cells facilitates hepatic immune surveillance. <i>Journal of Hepatology</i> , 2014, 61, 600-608.	1.8	26
31	&lt;p&gt;Local Cellular Responses to Metallic and Ceramic Nanoparticles from Orthopedic Joint Arthroplasty Implants&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 6705-6720.	3.3	24
32	Extracellular Vesicles in Musculoskeletal Pathologies and Regeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 624096.	2.0	23
33	Hepatic immune regulation by stromal cells. <i>Current Opinion in Immunology</i> , 2015, 32, 1-6.	2.4	22
34	Molecular and Functional Phenotypes of Human Bone Marrow-Derived Mesenchymal Stromal Cells Depend on Harvesting Techniques. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4382.	1.8	22
35	Mechanisms of improved wound healing in Murphy Roths Large (MRL) mice after skin transplantation. <i>Wound Repair and Regeneration</i> , 2010, 18, 662-670.	1.5	20
36	Investigation of Cytotoxicity, Oxidative Stress, and Inflammatory Responses of Tantalum Nanoparticles in THP-1-Derived Macrophages. <i>Mediators of Inflammation</i> , 2020, 2020, 1-14.	1.4	20

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37	Difficult-to-treat pathogens significantly reduce infection resolution in periprosthetic joint infections. <i>Diagnostic Microbiology and Infectious Disease</i> , 2020, 98, 115114.	0.8	18
38	The tissue inhibitor of metalloproteinases-1 improves migration and adhesion of hematopoietic stem and progenitor cells. <i>Experimental Hematology</i> , 2013, 41, 823-831.e2.	0.2	17
39	Stromal cells in health and disease. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018, 93, 871-875.	1.1	16
40	Diagnostic Performance of a Novel Multiplex Immunoassay in Colorectal Cancer. <i>Anticancer Research</i> , 2017, 37, 2477-2486.	0.5	16
41	The Role of Immune Checkpoint Molecules on Macrophages in Cancer, Infection, and Autoimmune Pathologies. <i>Frontiers in Immunology</i> , 2022, 13, 837645.	2.2	16
42	Acetabular defects in revision hip arthroplasty: a therapy-oriented classification. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2020, 140, 815-825.	1.3	14
43	Characterization and Comparison of Human and Ovine Mesenchymal Stromal Cells from Three Corresponding Sources. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2310.	1.8	14
44	Improved transplantation outcome by epigenetic changes. <i>Transplant Immunology</i> , 2010, 23, 104-110.	0.6	13
45	Methodical and pre-analytical characteristics of a multiplex cancer biomarker immunoassay. <i>World Journal of Methodology</i> , 2014, 4, 219.	1.1	13
46	Examining the Hand in the Video Consultation. <i>Zeitschrift Fur Orthopadie Und Unfallchirurgie</i> , 2021, 159, 202-208.	0.4	13
47	Endoscopic Sacrolumbar Facet Joint Denervation in Osteoarthritic and Degenerated Zygapophyseal Joints. <i>Arthroscopy Techniques</i> , 2018, 7, e1275-e1279.	0.5	12
48	High-Dimensional Analysis of Immune Cell Composition Predicts Periprosthetic Joint Infections and Dissects Its Pathophysiology. <i>Biomedicines</i> , 2020, 8, 358.	1.4	12
49	The psychological burden of a two-stage exchange of infected total hip and knee arthroplasties. <i>Journal of Health Psychology</i> , 2022, 27, 470-480.	1.3	12
50	Liver stromal cells restrict macrophage maturation and stromal IL-6 limits the differentiation of cirrhosis-linked macrophages. <i>Journal of Hepatology</i> , 2022, 76, 1127-1137.	1.8	12
51	Cyclooxygenase-2 contributes to the selective induction of cell death by the endocannabinoid 2-arachidonoyl glycerol in hepatic stellate cells. <i>Biochemical and Biophysical Research Communications</i> , 2016, 470, 678-684.	1.0	11
52	Predictors for secondary patellar resurfacing after primary total knee arthroplasty using a "patella-friendly" total knee arthroplasty system. <i>International Orthopaedics</i> , 2019, 43, 611-617.	0.9	11
53	Prominent regulatory but weak antigen-presenting cell function of hepatic stellate cells. <i>Hepatology</i> , 2011, 54, 1108-1108.	3.6	10
54	Diagnostic relevance of a novel multiplex immunoassay panel in breast cancer. <i>Tumor Biology</i> , 2017, 39, 101042831771138.	0.8	9

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55	In-Depth Characterization of Stromal Cells within the Tumor Microenvironment Yields Novel Therapeutic Targets. <i>Cancers</i> , 2021, 13, 1466.	1.7	9
56	A Systematic Review on the Value of Infrared Thermography in the Early Detection of Periprosthetic Joint Infections. <i>Zeitschrift Fur Orthopadie Und Unfallchirurgie</i> , 2020, 158, 397-405.	0.4	8
57	Extracellular Vesicle Isolation and Characterization from Periprosthetic Joint Synovial Fluid in Revision Total Joint Arthroplasty. <i>Journal of Clinical Medicine</i> , 2020, 9, 516.	1.0	7
58	Vertebral Bone Marrow-Derived Mesenchymal Stromal Cells from Osteoporotic and Healthy Patients Possess Similar Differentiation Properties In Vitro. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8309.	1.8	6
59	Comparison of minimally invasive approaches and standard median parapatellar approach for total knee arthroplasty: A systematic review and network meta-analysis of randomized controlled trials. <i>Technology and Health Care</i> , 2021, 29, 557-574.	0.5	6
60	sCD28, sCD80, sCTLA-4, and sBTLA Are Promising Markers in Diagnostic and Therapeutic Approaches for Aseptic Loosening and Periprosthetic Joint Infection. <i>Frontiers in Immunology</i> , 2021, 12, 687065.	2.2	5
61	Cyclooxygenase Inhibitors as a New Therapeutic Strategy in Small Bowel Transplantation. <i>Transplantation</i> , 2016, 100, 2324-2331.	0.5	4
62	Ci8 short, a novel LPS-induced peptide from the ascidian <i>Ciona intestinalis</i> , modulates responses of the human immune system. <i>Immunobiology</i> , 2018, 223, 210-219.	0.8	4
63	An Overview of the Current State of Pediatric Scoliosis Management. <i>Zeitschrift Fur Orthopadie Und Unfallchirurgie</i> , 2020, 158, 508-516.	0.4	4
64	Bone marrow CD73+ mesenchymal stem cells display increased stemness in vitro and promote fracture healing in vivo. <i>Bone Reports</i> , 2021, 15, 101133.	0.2	4
65	Relative radiographic bone density measurement in revision hip arthroplasty and its correlation with qualitative subjective assessment by experienced surgeons. <i>Technology and Health Care</i> , 2019, 27, 79-88.	0.5	3
66	Mechanisms of Extracellular Immunomodulation Mediated by Infectious Agents. <i>Journal of Immunology Research</i> , 2017, 2017, 1-3.	0.9	2
67	Primary Stability in Hip Revision Arthroplasty: Comparison of the Stability of Cementless Fixed Augments on a Modular Acetabular Cage System with and without Cranial Straps. <i>Journal of Clinical Medicine</i> , 2021, 10, 4002.	1.0	2
68	Cartilage Regeneration with Cell-free Type 1 Collagen Matrix – Past, Present and Future (Part 1 –) <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i>	0.4	2
69	Komplikationen durch immunsuppressive Therapie nach Lebertransplantation – eine retrospektive 12-Jahres-Analyse des Transplantationszentrums Bonn. <i>Chirurgische Gastroenterologie Interdisziplinär</i> , 2008, 24, 226-233.	0.0	1
70	Quantitative and integrative analysis of paracrine hepatocyte activation by nonparenchymal cells upon lipopolysaccharide induction. <i>FEBS Journal</i> , 2017, 284, 796-813.	2.2	1
71	New developments in cytometric phenotyping. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2017, 91, 950-951.	1.1	1
72	3-D Optics for Thoracoscopic Vertebral Body Replacement – Essential Technical Progress or Just Nice to Have?. <i>Zeitschrift Fur Orthopadie Und Unfallchirurgie</i> , 2019, 157, 35-41.	0.4	1

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73	Treatment with and without stabilizing lumbar spinal orthosis after one- or two-level spondylodesis: A randomized controlled trial. <i>Technology and Health Care</i> , 2020, 28, 541-549.	0.5	1
74	Patient Expectations about Communication in the Perioperative Setting of Elective Knee Surgery – a Questionnaire-based Cross-sectional Study. <i>Zeitschrift Fur Orthopadie Und Unfallchirurgie</i> , 2020, 158, 490-496.	0.4	1
75	TIMP1 Plays a Functional Role in CD34+ Hematopoietic Stem and Progenitor Cells. <i>Blood</i> , 2009, 114, 1487-1487.	0.6	1
76	Apoptosis-related biomarkers in patients with gastrointestinal cancer. <i>International Journal of Clinical Pharmacology and Therapeutics</i> , 2015, 53, 1062-1064.	0.3	1
77	1134 FATTY ACID AMIDE HYDROLASE IS THE HEPATIC GATEKEEPER AGAINST ENDOCANNABINOID-INDUCED CELL DEATH AND HOLDS ANTI-FIBROTIC PROPERTIES. <i>Journal of Hepatology</i> , 2013, 58, S462.	1.8	0
78	The Kellgren and Lawrence Score as a helpful tool for the indication for total disc replacement at the cervical spine. <i>Technology and Health Care</i> , 2019, 27, 317-326.	0.5	0
79	Laser-based Techniques for Microcirculatory Assessment in Orthopedics and Trauma Surgery. <i>Annals of Surgery</i> , 2019, 270, 1041-1048.	2.1	0
80	Characterization of synovial fluid from periprosthetic infection in revision total joint arthroplasty by single-molecule microscopy. <i>Journal of Orthopaedic Research</i> , 2020, 38, 1359-1364.	1.2	0
81	Impact of Long-term, High-fat, and High-cholesterol Diet on Murine Vertebrae Bones. <i>Zeitschrift Fur Orthopadie Und Unfallchirurgie</i> , 2020, 159, 659-665.	0.4	0
82	Pediatric Scoliosis Surgery – A Comprehensive Analysis of Treatment-Specific Variables and Trends in Latvia. <i>Medicina (Lithuania)</i> , 2020, 56, 201.	0.8	0
83	Practicability of a Virtual Consultation to Evaluate the Shoulder Joint. <i>Zeitschrift Fur Orthopadie Und Unfallchirurgie</i> , 2021, , .	0.4	0
84	Apoptosis-related biomarkers in patients with gynecological cancer. <i>International Journal of Clinical Pharmacology and Therapeutics</i> , 2015, 53, 1059-1061.	0.3	0
85	Who profits from three-dimensional optics in endoscopic surgery? Analysis of manual tasks under two-dimensional/three-dimensional optic vision using a pelvic trainer model. <i>Journal of Minimal Access Surgery</i> , 2019, 15, 124.	0.4	0
86	Cartilage Regeneration with a Cell-free Collagen Type 1 Matrix (Part 2 – Experimental Aspects). <i>Zeitschrift Fur Orthopadie Und Unfallchirurgie</i> , 2021, 159, 617-623.	0.4	0