

# Andreas Gießl

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

2,726  
citations

218662

26  
h-index

189881

50  
g-index

62  
all docs

62  
docs citations

62  
times ranked

6104  
citing authors

#	ARTICLE	IF	CITATIONS
1	How Does the Eye Breathe?. Journal of Biological Chemistry, 2003, 278, 1932-1935.	3.4	290
2	Autophagy regulates TNF $\alpha$ -mediated joint destruction in experimental arthritis. Annals of the Rheumatic Diseases, 2013, 72, 761-768.	0.9	249
3	An siRNA-based functional genomics screen for the identification of regulators of ciliogenesis and ciliopathy genes. Nature Cell Biology, 2015, 17, 1074-1087.	10.3	215
4	Mitochondrial metabolism contributes to oxidative stress and reveals therapeutic targets in chronic lymphocytic leukemia. Blood, 2014, 123, 2663-2672.	1.4	164
5	NEK1 Mutations Cause Short-Rib Polydactyly Syndrome Type Majewski. American Journal of Human Genetics, 2011, 88, 106-114.	6.2	151
6	Interferometric scattering microscopy reveals microsecond nanoscopic protein motion on a live cell membrane. Nature Photonics, 2019, 13, 480-487.	31.4	125
7	A G-protein activation cascade from Arl13B to Arl3 and implications for ciliary targeting of lipidated proteins. ELife, 2015, 4, .	6.0	124
8	Developmental alterations in centrosome integrity contribute to the post-mitotic state of mammalian cardiomyocytes. ELife, 2015, 4, .	6.0	105
9	RPGR ORF15 isoform co-localizes with RPGRIP1 at centrioles and basal bodies and interacts with nucleophosmin. Human Molecular Genetics, 2005, 14, 1183-1197.	2.9	103
10	Centrins in retinal photoreceptor cells: Regulators in the connecting cilium. Progress in Retinal and Eye Research, 2008, 27, 237-259.	15.5	91
11	Specialized Cilia in Mammalian Sensory Systems. Cells, 2015, 4, 500-519.	4.1	85
12	Differential Expression and Interaction with the Visual G-protein Transducin of Centrin Isoforms in Mammalian Photoreceptor Cells. Journal of Biological Chemistry, 2004, 279, 51472-51481.	3.4	70
13	Calcium-Dependent Assembly of Centrin-G-Protein Complex in Photoreceptor Cells. Molecular and Cellular Biology, 2002, 22, 2194-2203.	2.3	64
14	The extracellular release of DNA and HMGB1 from Jurkat T cells during <i>in vitro</i> necrotic cell death. Innate Immunity, 2012, 18, 727-737.	2.4	55
15	Postglacial colonisation of western Central Europe by <i>Polyommatus coridon</i> (Poda 1761) (Lepidoptera: Tj ETQq1 1,0,784314,4,54,6 BT /Ove	2.6	54
16	Did <i>Polyommatus icarus</i> (Lepidoptera: Lycaenidae) have distinct glacial refugia in southern Europe? Evidence from population genetics. Biological Journal of the Linnean Society, 2003, 80, 529-538.	1.6	52
17	Bone spicule pigment formation in retinitis pigmentosa: insights from a mouse model. Graefe's Archive for Clinical and Experimental Ophthalmology, 2010, 248, 1063-1070.	1.9	44
18	Potential Functional Restoration of Corneal Endothelial Cells in Fuchs Endothelial Corneal Dystrophy by ROCK Inhibitor (Ripasudil). American Journal of Ophthalmology, 2021, 224, 185-199.	3.3	44

#	ARTICLE	IF	CITATIONS
19	Regulatory eosinophils induce the resolution of experimental arthritis and appear in remission state of human rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2021, 80, 451-468.	0.9	43
20	Centrins, gatekeepers for the light-dependent translocation of transducin through the photoreceptor cell connecting cilium. <i>Vision Research</i> , 2006, 46, 4502-4509.	1.4	40
21	The Centrosomal Protein Pericentrin Identified at the Basal Body Complex of the Connecting Cilium in Mouse Photoreceptors. <i>PLoS ONE</i> , 2011, 6, e26496.	2.5	40
22	Long COVID: Association of Functional Autoantibodies against G-Protein-Coupled Receptors with an Impaired Retinal Microcirculation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7209.	4.1	39
23	Case Report: Neutralization of Autoantibodies Targeting G-Protein-Coupled Receptors Improves Capillary Impairment and Fatigue Symptoms After COVID-19 Infection. <i>Frontiers in Medicine</i> , 2021, 8, 754667.	2.6	38
24	The translocation of signaling molecules in dark adapting mammalian rod photoreceptor cells is dependent on the cytoskeleton. <i>Cytoskeleton</i> , 2008, 65, 785-800.	4.4	34
25	Centrins, A Novel Group Of Cat2,2+-Binding Proteins In Vertebrate Photoreceptor Cells. <i>Advances in Experimental Medicine and Biology</i> , 2002, 514, 155-178.	1.6	34
26	Numb Regulates the Polarized Delivery of Cyclic Nucleotide-Gated Ion Channels in Rod Photoreceptor Cilia. <i>Journal of Neuroscience</i> , 2014, 34, 13976-13987.	3.6	29
27	Light-dependent CK2-mediated phosphorylation of centrins regulates complex formation with visual G-protein. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2008, 1783, 1248-1260.	4.1	28
28	DYNC2LI1 mutations broaden the clinical spectrum of dynein-2 defects. <i>Scientific Reports</i> , 2015, 5, 11649.	3.3	28
29	Retinal Microcirculation as a Correlate of a Systemic Capillary Impairment After Severe Acute Respiratory Syndrome Coronavirus 2 Infection. <i>Frontiers in Medicine</i> , 2021, 8, 676554.	2.6	24
30	Acute hypoxia modifies regulation of neuroglobin in the neonatal mouse brain. <i>Experimental Neurology</i> , 2012, 236, 112-121.	4.1	23
31	Melanocytes as emerging key players in niche regulation of limbal epithelial stem cells. <i>Ocular Surface</i> , 2021, 22, 172-189.	4.4	23
32	MAP4-Dependent Regulation of Microtubule Formation Affects Centrosome, Cilia, and Golgi Architecture as a Central Mechanism in Growth Regulation. <i>Human Mutation</i> , 2015, 36, 87-97.	2.5	21
33	Laminin-511-E8 promotes efficient in vitro expansion of human limbal melanocytes. <i>Scientific Reports</i> , 2020, 10, 11074.	3.3	18
34	Dysfunction of the limbal epithelial stem cell niche in aniridia-associated keratopathy. <i>Ocular Surface</i> , 2021, 21, 160-173.	4.4	18
35	Caki-1 Cells Represent an in vitro Model System for Studying the Human Proximal Tubule Epithelium. <i>Nephron Experimental Nephrology</i> , 2007, 107, e47-e56.	2.2	17
36	Association of Rare <i>CYP39A1</i> Variants With Exfoliation Syndrome Involving the Anterior Chamber of the Eye. <i>JAMA - Journal of the American Medical Association</i> , 2021, 325, 753.	7.4	16

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37	Insights into functional aspects of centrins from the structure of N-terminally extended mouse centrin 1. <i>Vision Research</i> , 2006, 46, 4568-4574.	1.4	14
38	Pericentrin in health and disease. <i>Communicative and Integrative Biology</i> , 2012, 5, 304-307.	1.4	10
39	Identification and Characterisation of Simiate, a Novel Protein Linked to the Fragile X Syndrome. <i>PLoS ONE</i> , 2013, 8, e83007.	2.5	10
40	Peripherin-2 differentially interacts with cone opsins in outer segments of cone photoreceptors. <i>Human Molecular Genetics</i> , 2016, 25, ddw103.	2.9	10
41	Peripherin-2 and Rom-1 have opposing effects on rod outer segment targeting of retinitis pigmentosa-linked peripherin-2 mutants. <i>Scientific Reports</i> , 2017, 7, 2321.	3.3	10
42	The BEACH Protein LRBA Promotes the Localization of the Heterotrimeric G-protein Golf to Olfactory Cilia. <i>Scientific Reports</i> , 2017, 7, 8409.	3.3	10
43	Dysregulated Retinoic Acid Signaling in the Pathogenesis of Pseudoexfoliation Syndrome. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5977.	4.1	8
44	CLL-Derived Extracellular Vesicles Impair T-Cell Activation and Foster T-Cell Exhaustion via Multiple Immunological Checkpoints. <i>Cells</i> , 2022, 11, 2176.	4.1	8
45	Functional analyses of Pericentrin and Syne-2/Nesprin-2 interaction in ciliogenesis. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	7
46	Simiate is an Actin binding protein involved in filopodia dynamics and arborization of neurons. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 99.	3.7	6
47	Lack of a Retinal Phenotype in a Syne-2/Nesprin-2 Knockout Mouse Model. <i>Cells</i> , 2019, 8, 1238.	4.1	6
48	Crystallization and preliminary X-ray studies of mouse centrin1. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2005, 61, 510-513.	0.7	5
49	Impaired Mitochondrial Transcription Factor A Expression Promotes Mitochondrial Damage to Drive Fibroblast Activation and Fibrosis in Systemic Sclerosis. <i>Arthritis and Rheumatology</i> , 2022, 74, 871-881.	5.6	5
50	Special characteristics of the transcription and splicing machinery in photoreceptor cells of the mammalian retina. <i>Cell and Tissue Research</i> , 2015, 362, 281-294.	2.9	4
51	Identification, Isolation, and Characterization of Melanocyte Precursor Cells in the Human Limbal Stroma. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3756.	4.1	4
52	Identification of mutations in DYNC2LI1, a member of the mammalian cytoplasmic dynein 2 complex, expands the clinical spectrum of Jeune/ATD ciliopathies. <i>Cilia</i> , 2015, 4, .	1.8	1
53	Studying Protein Function and the Role of Altered Protein Expression by Antibody Interference and Three-dimensional Reconstructions. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	1
54	Cell Types and Synapses Expressing the SNARE Complex Regulating Proteins Complexin 1 and Complexin 2 in Mammalian Retina. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8131.	4.1	1

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55	Simiate and the focal adhesion kinase FAK1 cooperate in the regulation of dendritogenesis. Scientific Reports, 2022, 12, .	3.3	1
56	Signalwandlung und Signalübertragung: Die zwei Seiten eines Fotorezeptors. E-Neuroforum, 2010, 16, 226-235.	0.1	0
57	Pericentrin interacts with KASH domain-containing protein Syne-2. Cilia, 2015, 4, .	1.8	0