

# Benjamin Schmid

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

52,452  
citations

279798

23  
h-index

361022

35  
g-index

36  
all docs

36  
docs citations

36  
times ranked

92290  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fiji: an open-source platform for biological-image analysis. <i>Nature Methods</i> , 2012, 9, 676-682.	19.0	47,818
2	BoneJ: Free and extensible bone image analysis in ImageJ. <i>Bone</i> , 2010, 47, 1076-1079.	2.9	1,695
3	A high-level 3D visualization API for Java and ImageJ. <i>BMC Bioinformatics</i> , 2010, 11, 274.	2.6	468
4	Rapid 3D light-sheet microscopy with a tunable lens. <i>Optics Express</i> , 2013, 21, 21010.	3.4	348
5	A New ImageJ Plug-in "Actogram" for Chronobiological Analyses. <i>Journal of Biological Rhythms</i> , 2011, 26, 464-467.	2.6	314
6	An Integrated Micro- and Macroarchitectural Analysis of the <i>Drosophila</i> Brain by Computer-Assisted Serial Section Electron Microscopy. <i>PLoS Biology</i> , 2010, 8, e1000502.	5.6	308
7	High-resolution reconstruction of the beating zebrafish heart. <i>Nature Methods</i> , 2014, 11, 919-922.	19.0	226
8	STAT3 activation through IL-6/IL-11 in cancer-associated fibroblasts promotes colorectal tumour development and correlates with poor prognosis. <i>Gut</i> , 2020, 69, 1269-1282.	12.1	181
9	High-speed panoramic light-sheet microscopy reveals global endodermal cell dynamics. <i>Nature Communications</i> , 2013, 4, 2207.	12.8	161
10	IFN- $\gamma$ drives inflammatory bowel disease pathogenesis through VE-cadherin-directed vascular barrier disruption. <i>Journal of Clinical Investigation</i> , 2019, 129, 4691-4707.	8.2	141
11	Hyperspectral light sheet microscopy. <i>Nature Communications</i> , 2015, 6, 7990.	12.8	92
12	Aggregated neutrophil extracellular traps resolve inflammation by proteolysis of cytokines and chemokines and protection from antiproteases. <i>FASEB Journal</i> , 2019, 33, 1401-1414.	0.5	90
13	ROS-Responsive N-Alkylaminoferrocenes for Cancer-Cell-Specific Targeting of Mitochondria. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11943-11946.	13.8	74
14	Optical tomography complements light sheet microscopy for <i>in toto</i> imaging of zebrafish development. <i>Development (Cambridge)</i> , 2015, 142, 1016-1020.	2.5	65
15	3Dscript: animating 3D/4D microscopy data using a natural-language-based syntax. <i>Nature Methods</i> , 2019, 16, 278-280.	19.0	58
16	Cryptochrome-Dependent and -Independent Circadian Entrainment Circuits in <i>Drosophila</i> . <i>Journal of Neuroscience</i> , 2015, 35, 6131-6141.	3.6	52
17	Cellular site and molecular mode of synapsin action in associative learning. <i>Learning and Memory</i> , 2011, 18, 332-344.	1.3	47
18	Arginase impedes the resolution of colitis by altering the microbiome and metabolome. <i>Journal of Clinical Investigation</i> , 2020, 130, 5703-5720.	8.2	44

#	ARTICLE	IF	CITATIONS
19	Neutrophil extracellular traps drive epithelialâ€mesenchymal transition of human colon cancer. <i>Journal of Pathology</i> , 2022, 256, 455-467.	4.5	43
20	Multi-scale imaging and analysis identify pan-embryo cell dynamics of germlayer formation in zebrafish. <i>Nature Communications</i> , 2019, 10, 5753.	12.8	40
21	Real-time multi-view deconvolution. <i>Bioinformatics</i> , 2015, 31, 3398-3400.	4.1	35
22	Permeability analyses and three dimensional imaging of interferon gamma-induced barrier disintegration in intestinal organoids. <i>Stem Cell Research</i> , 2019, 35, 101383.	0.7	32
23	A New Fluorogenic Small-Molecule Labeling Tool for Surface Diffusion Analysis and Advanced Fluorescence Imaging of Î²-Site Amyloid Precursor Protein-Cleaving Enzyme 1 Based on Silicone Rhodamine: SiR-BACE1. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 6121-6139.	6.4	29
24	The Dual-Oscillator System of <i>Drosophila melanogaster</i> Under Natural-Like Temperature Cycles. <i>Chronobiology International</i> , 2012, 29, 395-407.	2.0	25
25	Avoidance of Heat and Attraction to Optogenetically Induced Sugar Sensation as Operant Behavior in Adult <i>Drosophila</i> . <i>Journal of Neurogenetics</i> , 2012, 26, 298-305.	1.4	13
26	Matricellular Protein SPARCL1 Regulates Blood Vessel Integrity and Antagonizes Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2021, 27, 1491-1502.	1.9	9
27	eduSPIM: Light Sheet Microscopy in the Museum. <i>PLoS ONE</i> , 2016, 11, e0161402.	2.5	9
28	Fluorescent Labeling and 2-Photon Imaging of Mouse Tooth Pulp Nociceptors. <i>Journal of Dental Research</i> , 2018, 97, 460-466.	5.2	7
29	Targeting STAT3 Signaling in COL1+ Fibroblasts Controls Colitis-Associated Cancer in Mice. <i>Cancers</i> , 2022, 14, 1472.	3.7	6
30	Dynamic Imaging of IEL-IEC Co-Cultures Allows for Quantification of CD103-Dependent T Cell Migration. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5148.	4.1	5
31	Synthesis and characterization of a new two photon excitable acid sphingomyelinase FRET probe. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 44, 116303.	3.0	5
32	PRIME: A graphical interface for integrating genomic/proteomic databases. <i>Proteomics</i> , 2005, 5, 76-80.	2.2	3
33	Treatment with Cyclic AMP Activators Reduces Glioblastoma Growth and Invasion as Assessed by Two-Photon Microscopy. <i>Cells</i> , 2021, 10, 556.	4.1	3
34	3Dscript.server: true server-side 3D animation of microscopy images using a natural language-based syntax. <i>Bioinformatics</i> , 2021, 37, 4901-4902.	4.1	1
35	Software Framework for Controlling Unsupervised Scientific Instruments. <i>PLoS ONE</i> , 2016, 11, e0161671.	2.5	1