

# Markus Sauer

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

356  
papers

19,793  
citations

75  
h-index

130  
g-index

417  
ext. papers

23,256  
ext. citations

7.9  
avg, IF

6.92  
L-index

#	Paper	IF	Citations
356	Unraveling the hidden temporal range of fast $\beta$ adrenergic receptor mobility by time-resolved fluorescence.. <i>Communications Biology</i> , <b>2022</b> , 5, 176	6.7	1
355	Recombinant pro-CTSD (cathepsin D) enhances SNCA/ $\beta$ Synuclein degradation in $\beta$ Synucleinopathy models.. <i>Autophagy</i> , <b>2022</b> ,	10.2	1
354	Selective inhibition of miRNA processing by a herpesvirus-encoded miRNA.. <i>Nature</i> , <b>2022</b> , 605, 539-544	50.4	0
353	Genetic Code Expansion and Click-Chemistry Labeling to Visualize GABA-A Receptors by Super-Resolution Microscopy.. <i>Frontiers in Synaptic Neuroscience</i> , <b>2021</b> , 13, 727406	3.5	0
352	Bioorthogonal labeling of transmembrane proteins with non-canonical amino acids unveils masked epitopes in live neurons. <i>Nature Communications</i> , <b>2021</b> , 12, 6715	17.4	5
351	Improved biocatalytic cascade conversion of CO <sub>2</sub> to methanol by enzymes Co-immobilized in tailored siliceous mesostructured cellular foams. <i>Catalysis Science and Technology</i> , <b>2021</b> , 11, 6952-6959	5.5	0
350	Subdiffraction-resolution fluorescence imaging of immunological synapse formation between NK cells and <i>A. fumigatus</i> by expansion microscopy. <i>Communications Biology</i> , <b>2021</b> , 4, 1151	6.7	0
349	Active zone compaction correlates with presynaptic homeostatic potentiation. <i>Cell Reports</i> , <b>2021</b> , 37, 109770	10.6	3
348	Targetable Conformationally Restricted Cyanines Enable Photon-Count-Limited Applications*. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 26685-26693	16.4	0
347	Superresolution Microscopy of Sphingolipids. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2187, 303-311	1.4	1
346	Tethered agonist exposure in intact adhesion/class B2 GPCRs through intrinsic structural flexibility of the GAIN domain. <i>Molecular Cell</i> , <b>2021</b> , 81, 905-921.e5	17.6	18
345	Super-resolving Microscopy in Neuroscience. <i>Chemical Reviews</i> , <b>2021</b> , 121, 11971-12015	68.1	12
344	RhoA/Cdc42 signaling drives cytoplasmic maturation but not endomitosis in megakaryocytes. <i>Cell Reports</i> , <b>2021</b> , 35, 109102	10.6	1
343	Defining the Basis of Cyanine Phototruncation Enables a New Approach to Single-Molecule Localization Microscopy. <i>ACS Central Science</i> , <b>2021</b> , 7, 1144-1155	16.8	10
342	Single-molecule localization microscopy. <i>Nature Reviews Methods Primers</i> , <b>2021</b> , 1,		67
341	Actin cytoskeleton deregulation confers midostaurin resistance in FLT3-mutant acute myeloid leukemia. <i>Communications Biology</i> , <b>2021</b> , 4, 799	6.7	5
340	Upregulation of CD38 expression on multiple myeloma cells by novel HDAC6 inhibitors is a class effect and augments the efficacy of daratumumab. <i>Leukemia</i> , <b>2021</b> , 35, 201-214	10.7	29

339	Superagonistic CD28 stimulation induces IFN- $\gamma$ release from mouse T helper 1 cells in vitro and in vivo. <i>European Journal of Immunology</i> , <b>2021</b> , 51, 738-741	6.1	1
338	A role for TASK2 channels in the human immunological synapse. <i>European Journal of Immunology</i> , <b>2021</b> , 51, 342-353	6.1	1
337	Variant signaling topology at the cancer cell-T-cell interface induced by a two-component T-cell engager. <i>Cellular and Molecular Immunology</i> , <b>2021</b> , 18, 1568-1570	15.4	2
336	Elucidating the formation and active state of Cu co-catalysts for photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 21958-21971	13	3
335	Click-correlative light and electron microscopy (click-AT-CLEM) for imaging and tracking azido-functionalized sphingolipids in bacteria. <i>Scientific Reports</i> , <b>2021</b> , 11, 4300	4.9	1
334	Photoblueing of organic dyes can cause artifacts in super-resolution microscopy. <i>Nature Methods</i> , <b>2021</b> , 18, 253-257	21.6	11
333	Serotonin-specific neurons differentiated from human iPSCs form distinct subtypes with synaptic protein assembly. <i>Journal of Neural Transmission</i> , <b>2021</b> , 128, 225-241	4.3	6
332	Targeted volumetric single-molecule localization microscopy of defined presynaptic structures in brain sections. <i>Communications Biology</i> , <b>2021</b> , 4, 407	6.7	1
331	Acidosis-induced activation of anion channel SLAH3 in the flooding-related stress response of Arabidopsis. <i>Current Biology</i> , <b>2021</b> , 31, 3575-3585.e9	6.3	7
330	Wettability transition of femtosecond laser patterned nodular cast iron (NCI) substrate. <i>Applied Surface Science</i> , <b>2021</b> , 559, 149897	6.7	3
329	Enhancement of photocatalytic oxidation of benzyl alcohol by edge-functionalized modified carbon nitride: A DFT evaluation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2021</b> , 419, 113452	4.7	1
328	Azidosphinganine enables metabolic labeling and detection of sphingolipid synthesis. <i>Organic and Biomolecular Chemistry</i> , <b>2021</b> , 19, 2203-2212	3.9	3
327	Ex-dSTORM and automated quantitative image analysis of expanded filamentous structures. <i>Methods in Cell Biology</i> , <b>2021</b> , 161, 317-340	1.8	1
326	Hochaufgelöste Visualisierung einzelner Moleküle auf ganzen Zellen. <i>BioSpektrum</i> , <b>2020</b> , 26, 735-738	0.1	
325	Dynamic Potential Sputtering of Lunar Analog Material by Solar Wind Ions. <i>Astrophysical Journal</i> , <b>2020</b> , 891, 100	4.7	14
324	Conformationally restrained pentamethine cyanines and use in reductive single molecule localization microscopy. <i>Methods in Enzymology</i> , <b>2020</b> , 641, 225-244	1.7	3
323	Molecular resolution imaging by post-labeling expansion single-molecule localization microscopy (Ex-SMLM). <i>Nature Communications</i> , <b>2020</b> , 11, 3388	17.4	51
322	Tracking down the molecular architecture of the synaptonemal complex by expansion microscopy. <i>Nature Communications</i> , <b>2020</b> , 11, 3222	17.4	17

321	Serotonin (5-HT) neuron-specific inactivation of Cadherin-13 impacts 5-HT system formation and cognitive function. <i>Neuropharmacology</i> , <b>2020</b> , 168, 108018	5.5	11
320	Whole-cell imaging of plasma membrane receptors by 3D lattice light-sheet dSTORM. <i>Nature Communications</i> , <b>2020</b> , 11, 887	17.4	21
319	Expansion Microscopy for Cell Biology Analysis in Fungi. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 574	5.7	18
318	BIN2 orchestrates platelet calcium signaling in thrombosis and thrombo-inflammation. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 6064-6079	15.9	10
317	Five and Large-Super-Resolution Optical Fluctuation Imaging (SOFI) and Expansion Microscopy (ExM) of Microtubule Remodelling by Rabies Virus P Protein. <i>Australian Journal of Chemistry</i> , <b>2020</b> , 73, 686	1.2	6
316	Reconstituting NK Cells After Allogeneic Stem Cell Transplantation Show Impaired Response to the Fungal Pathogen. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 2117	8.4	5
315	Confocal Fluorescence-Lifetime Single-Molecule Localization Microscopy. <i>ACS Nano</i> , <b>2020</b> , 14, 14190-14207	16.7	14
314	Nanoscale imaging of bacterial infections by sphingolipid expansion microscopy. <i>Nature Communications</i> , <b>2020</b> , 11, 6173	17.4	16
313	Using Expansion Microscopy to Visualize and Characterize the Morphology of Mitochondrial Cristae. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 617	5.7	4
312	Multiple-Labeled Antibodies Behave Like Single Emitters in Photoswitching Buffer. <i>ACS Nano</i> , <b>2020</b> , 14, 12629-12641	16.7	9
311	Super-resolution imaging reveals the nanoscale organization of metabotropic glutamate receptors at presynaptic active zones. <i>Science Advances</i> , <b>2020</b> , 6, eaay7193	14.3	27
310	Detection of Developmental Forms and Secreted Effectors by Expansion Microscopy. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2019</b> , 9, 276	5.9	19
309	Super-Resolution Microscopy Reveals Local Accumulation of Plasma Membrane Gangliosides at Invasion Sites. <i>Frontiers in Cell and Developmental Biology</i> , <b>2019</b> , 7, 194	5.7	6
308	Generation of site-distinct N-glycan variants for in vitro bioactivity testing. <i>Biotechnology and Bioengineering</i> , <b>2019</b> , 116, 1017-1028	4.9	2
307	Measles Virus Infection Fosters Dendritic Cell Motility in a 3D Environment to Enhance Transmission to Target Cells in the Respiratory Epithelium. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 1294	8.4	8
306	<i>Neisseria meningitidis</i> Type IV Pili Trigger Ca-Dependent Lysosomal Trafficking of the Acid Sphingomyelinase To Enhance Surface Ceramide Levels. <i>Infection and Immunity</i> , <b>2019</b> , 87,	3.7	7
305	Registration and Visualization of Correlative Super-Resolution Microscopy Data. <i>Biophysical Journal</i> , <b>2019</b> , 116, 2073-2078	2.9	5
304	One-step synthesis and XPS investigations of chiral NHC-Au(0)/Au(i) nanoparticles. <i>Nanoscale</i> , <b>2019</b> , 11, 8327-8333	7.7	24

303	Silicon/Mesoporous Carbon (Si/MC) Derived from Phenolic Resin for High Energy Anode Materials for Li-ion Batteries: Role of HF Etching and Vinylene Carbonate (VC) Additive. <i>Batteries</i> , <b>2019</b> , 5, 11	5.7	1
302	Super-resolution microscopy reveals ultra-low CD19 expression on myeloma cells that triggers elimination by CD19 CAR-T. <i>Nature Communications</i> , <b>2019</b> , 10, 3137	17.4	74
301	Bioorthogonal labeling with tetrazine-dyes for super-resolution microscopy. <i>Communications Biology</i> , <b>2019</b> , 2, 261	6.7	47
300	Probing the ionic liquid/semiconductor interfaces over macroscopic distances using X-ray photoelectron spectroscopy. <i>Electrochimica Acta</i> , <b>2019</b> , 319, 456-461	6.7	2
299	FSP1 is a glutathione-independent ferroptosis suppressor. <i>Nature</i> , <b>2019</b> , 575, 693-698	50.4	663
298	Platelet lamellipodium formation is not required for thrombus formation and stability. <i>Blood</i> , <b>2019</b> , 134, 2318-2329	2.2	17
297	Imaging cellular ultrastructures using expansion microscopy (U-ExM). <i>Nature Methods</i> , <b>2019</b> , 16, 71-74	21.6	153
296	Super-resolution microscopy demystified. <i>Nature Cell Biology</i> , <b>2019</b> , 21, 72-84	23.4	409
295	Nanogels Enable Efficient miRNA Delivery and Target Gene Downregulation in Transfection-Resistant Multiple Myeloma Cells. <i>Biomacromolecules</i> , <b>2019</b> , 20, 916-926	6.9	11
294	The Neutral Sphingomyelinase 2 Is Required to Polarize and Sustain T Cell Receptor Signaling. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 815	8.4	7
293	Super-Resolution Optical Microscopy in Biology. <i>Microscopy and Microanalysis</i> , <b>2018</b> , 24, 340-341	0.5	
292	Carbon-based SILP catalysis for the selective hydrogenation of aldehydes using a well-defined Fe(II) PNP complex. <i>Catalysis Science and Technology</i> , <b>2018</b> , 8, 4812-4820	5.5	9
291	Nanostructure of DNA repair foci revealed by superresolution microscopy. <i>FASEB Journal</i> , <b>2018</b> , 32, fj201701435	17.9	12
290	Solar wind sputtering of wollastonite as a lunar analogue material [Comparisons between experiments and simulations. <i>Icarus</i> , <b>2018</b> , 314, 98-105	3.8	18
289	Superresolution imaging of the synaptonemal complex. <i>Methods in Cell Biology</i> , <b>2018</b> , 145, 335-346	1.8	5
288			
287	Sharpening emitter localization in front of a tuned mirror. <i>Light: Science and Applications</i> , <b>2018</b> , 7, 99	16.7	5
286	Bioorthogonal Click Chemistry Enables Site-specific Fluorescence Labeling of Functional NMDA Receptors for Super-Resolution Imaging. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 16602-16607	3.6	3

285	Bioorthogonal Click Chemistry Enables Site-specific Fluorescence Labeling of Functional NMDA Receptors for Super-Resolution Imaging. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 16364-16369	16.4	30
284	Parallel experimental design and multivariate analysis provides efficient screening of cell culture media supplements to improve biosimilar product quality. <i>Biotechnology and Bioengineering</i> , <b>2017</b> , 114, 1448-1458	4.9	30
283	Localization-Based Super-Resolution Microscopy <b>2017</b> , 267-289		2
282	Cell culture media supplemented with raffinose reproducibly enhances high mannose glycan formation. <i>Journal of Biotechnology</i> , <b>2017</b> , 252, 32-42	3.7	25
281	3D subcellular localization with superresolution array tomography on ultrathin sections of various species. <i>Methods in Cell Biology</i> , <b>2017</b> , 140, 21-47	1.8	13
280	Characterization of Plasma Membrane Ceramides by Super-Resolution Microscopy. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 6131-6135	16.4	39
279	Characterization of Plasma Membrane Ceramides by Super-Resolution Microscopy. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 6227-6231	3.6	5
278	Single-Molecule Localization Microscopy in Eukaryotes. <i>Chemical Reviews</i> , <b>2017</b> , 117, 7478-7509	68.1	209
277	Effect of oxygen plasma on nanomechanical silicon nitride resonators. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 063103	3.4	12
276	Characterization of aluminum and titanium nitride films prepared by reactive sputtering under different poisoning conditions of target. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2017</b> , 35, 061507	2.9	2
275	Cyanine Conformational Restraint in the Far-Red Range. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 12406-12409	16.4	75
274	CD56 Is a Pathogen Recognition Receptor on Human Natural Killer Cells. <i>Scientific Reports</i> , <b>2017</b> , 7, 61384	4.9	45
273	Separation of Nickelocene-Filled Single-Walled Carbon Nanotubes by Conductivity Type and Diameter. <i>Physica Status Solidi (B): Basic Research</i> , <b>2017</b> , 254, 1700178	1.3	7
272	The effect of electrolyte additives on electrochemical performance of silicon/mesoporous carbon (Si/MC) for anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2017</b> , 247, 600-609	6.7	48
271	OmoMYC blunts promoter invasion by oncogenic MYC to inhibit gene expression characteristic of MYC-dependent tumors. <i>Oncogene</i> , <b>2017</b> , 36, 1911-1924	9.2	57
270	Photometry unlocks 3D information from 2D localization microscopy data. <i>Nature Methods</i> , <b>2017</b> , 14, 41-44	21.6	54
269	Gephyrin-binding peptides visualize postsynaptic sites and modulate neurotransmission. <i>Nature Chemical Biology</i> , <b>2017</b> , 13, 153-160	11.7	24
268	Antibacterial activity of ceramide and ceramide analogs against pathogenic Neisseria. <i>Scientific Reports</i> , <b>2017</b> , 7, 17627	4.9	27

267	Quantifying protein densities on cell membranes using super-resolution optical fluctuation imaging. <i>Nature Communications</i> , <b>2017</b> , 8, 1731	17.4	36
266	Cadherin-13 Deficiency Increases Dorsal Raphe 5-HT Neuron Density and Prefrontal Cortex Innervation in the Mouse Brain. <i>Frontiers in Cellular Neuroscience</i> , <b>2017</b> , 11, 307	6.1	18
265	Migration pattern, actin cytoskeleton organization and response to PI3K-, mTOR-, and Hsp90-inhibition of glioblastoma cells with different invasive capacities. <i>Oncotarget</i> , <b>2017</b> , 8, 45298-45310	3.3	19
264	Mechano-dependent signaling by Latrophilin/CIRL quenches cAMP in proprioceptive neurons. <i>ELife</i> , <b>2017</b> , 6,	8.9	77
263	3D mapping of subcellular structures with super-resolution array tomography <b>2016</b> , 1015-1016		
262	Synthesis and application of water-soluble, photoswitchable cyanine dyes for bioorthogonal labeling of cell-surface carbohydrates. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , <b>2016</b> , 71, 347-354	1.7	6
261	Multi-target spectrally resolved fluorescence lifetime imaging microscopy. <i>Nature Methods</i> , <b>2016</b> , 13, 257-62	21.6	138
260	Synthesis of a Far-Red Photoactivatable Silicon-Containing Rhodamine for Super-Resolution Microscopy. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 1755-1759	3.6	32
259	The Author File: Markus Sauer. <i>Nature Methods</i> , <b>2016</b> , 13, 187	21.6	
258	Human autoantibodies to amphiphysin induce defective presynaptic vesicle dynamics and composition. <i>Brain</i> , <b>2016</b> , 139, 365-79	11.2	44
257	Super-Resolution Imaging of Molecular Emission Spectra and Single Molecule Spectral Fluctuations. <i>PLoS ONE</i> , <b>2016</b> , 11, e0147506	3.7	46
256	Super-Resolution Imaging of Plasma Membrane Proteins with Click Chemistry. <i>Frontiers in Cell and Developmental Biology</i> , <b>2016</b> , 4, 98	5.7	16
255	The CsrA-FliW network controls polar localization of the dual-function flagellin mRNA in <i>Campylobacter jejuni</i> . <i>Nature Communications</i> , <b>2016</b> , 7, 11667	17.4	58
254	Filling the gap: adding super-resolution to array tomography for correlated ultrastructural and molecular identification of electrical synapses at the <i>C. elegans</i> connectome. <i>Neurophotonics</i> , <b>2016</b> , 3, 041802	3.9	29
253	A Functionalized Sphingolipid Analogue for Studying Redistribution during Activation in Living T Cells. <i>Journal of Immunology</i> , <b>2016</b> , 196, 3951-62	5.3	22
252	Synthesis of a Far-Red Photoactivatable Silicon-Containing Rhodamine for Super-Resolution Microscopy. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 1723-7	16.4	107
251	Neurofilament depletion improves microtubule dynamics via modulation of Stat3/stathmin signaling. <i>Acta Neuropathologica</i> , <b>2016</b> , 132, 93-110	14.3	13
250	Disentangling Vacancy Oxidation on Metallicity-Sorted Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 18316-18322	3.8	5

249	Spatio-temporal remodeling of functional membrane microdomains organizes the signaling networks of a bacterium. <i>PLoS Genetics</i> , <b>2015</b> , 11, e1005140	6	29
248	Artifacts in single-molecule localization microscopy. <i>Histochemistry and Cell Biology</i> , <b>2015</b> , 144, 123-31	2.4	66
247	Quantitative Super-Resolution Microscopy of Nanopipette-Deposited Fluorescent Patterns. <i>ACS Nano</i> , <b>2015</b> , 9, 8122-30	16.7	18
246	Tailoring recombinant protein quality by rational media design. <i>Biotechnology Progress</i> , <b>2015</b> , 31, 615-292.8		57
245	Doping of single-walled carbon nanotubes controlled via chemical transformation of encapsulated nickelocene. <i>Nanoscale</i> , <b>2015</b> , 7, 1383-91	7.7	47
244	Quantifying molecular colocalization in live cell fluorescence microscopy. <i>Journal of Biophotonics</i> , <b>2015</b> , 8, 124-32	3.1	4
243	On the bonding environment of phosphorus in purified doped single-walled carbon nanotubes. <i>Carbon</i> , <b>2015</b> , 81, 91-95	10.4	17
242	The potential of small molecules to modulate glycosylation by media design. <i>BMC Proceedings</i> , <b>2015</b> , 9,	2.3	1
241	Light-induced cell damage in live-cell super-resolution microscopy. <i>Scientific Reports</i> , <b>2015</b> , 5, 15348	4.9	306
240	Super-resolution microscopy of the synaptic active zone. <i>Frontiers in Cellular Neuroscience</i> , <b>2015</b> , 9, 7	6.1	26
239	Temperature-dependent inner tube growth and electronic structure of nickelocene-filled single-walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , <b>2015</b> , 252, 2485-2490	1.3	9
238	Tailoring the electronic properties of single-walled carbon nanotubes via filling with nickel acetylacetonate. <i>Physica Status Solidi (B): Basic Research</i> , <b>2015</b> , 252, 2546-2550	1.3	3
237	Comprehensive spectroscopic characterization of high purity metallicity-sorted single-walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , <b>2015</b> , 252, 2512-2518	1.3	6
236	Raman and XPS analyses of pristine and annealed N-doped double-walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , <b>2015</b> , 252, 2558-2563	1.3	9
235	Super-resolution fluorescent methods: where next for super-resolution?. <i>Methods and Applications in Fluorescence</i> , <b>2015</b> , 3, 030201	3.1	1
234	Bruchpilot and Synaptotagmin collaborate to drive rapid glutamate release and active zone differentiation. <i>Frontiers in Cellular Neuroscience</i> , <b>2015</b> , 9, 29	6.1	23
233	Hypotonic activation of the myo-inositol transporter SLC5A3 in HEK293 cells probed by cell volumetry, confocal and super-resolution microscopy. <i>PLoS ONE</i> , <b>2015</b> , 10, e0119990	3.7	16
232	Quantitative localization microscopy: effects of photophysics and labeling stoichiometry. <i>PLoS ONE</i> , <b>2015</b> , 10, e0127989	3.7	35



231	A MYC-Driven Change in Mitochondrial Dynamics Limits YAP/TAZ Function in Mammary Epithelial Cells and Breast Cancer. <i>Cancer Cell</i> , <b>2015</b> , 28, 743-757	24.3	91
230	Instant live-cell super-resolution imaging of cellular structures by nanoinjection of fluorescent probes. <i>Nano Letters</i> , <b>2015</b> , 15, 1374-81	11.5	43
229	Elucidation of synaptonemal complex organization by super-resolution imaging with isotropic resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 2029-33	11.5	71
228	Eight years of single-molecule localization microscopy. <i>Histochemistry and Cell Biology</i> , <b>2014</b> , 141, 561-75	5.4	99
227	A blueprint for cost-efficient localization microscopy. <i>ChemPhysChem</i> , <b>2014</b> , 15, 651-4	3.2	38
226	Click chemistry for the conservation of cellular structures and fluorescent proteins: ClickOx. <i>Biotechnology Journal</i> , <b>2014</b> , 9, 693-7	5.6	9
225	The chlamydial organism <i>Simkania negevensis</i> forms ER vacuole contact sites and inhibits ER-stress. <i>Cellular Microbiology</i> , <b>2014</b> , 16, 1224-43	3.9	42
224	PET-FCS: probing rapid structural fluctuations of proteins and nucleic acids by single-molecule fluorescence quenching. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1076, 597-615	1.4	31
223	Super-resolution imaging of plasma membrane glycans. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 10921-4	16.4	68
222	Timing protein assembly in neurons. <i>Chemistry and Biology</i> , <b>2014</b> , 21, 703-4		
221	Correlative super-resolution fluorescence and electron microscopy of the nuclear pore complex with molecular resolution. <i>Journal of Cell Science</i> , <b>2014</b> , 127, 4351-5	5.3	89
220	Quantitative super-resolution imaging of Bruchpilot distinguishes active zone states. <i>Nature Communications</i> , <b>2014</b> , 5, 4650	17.4	144
219	Revealing the adsorption mechanisms of nitroxides on ultrapure, metallicity-sorted carbon nanotubes. <i>ACS Nano</i> , <b>2014</b> , 8, 1375-83	16.7	27
218	High abundance of BDNF within glutamatergic presynapses of cultured hippocampal neurons. <i>Frontiers in Cellular Neuroscience</i> , <b>2014</b> , 8, 107	6.1	52
217	Focus on Super-Resolution Imaging with Direct Stochastic Optical Reconstruction Microscopy (dSTORM). <i>Australian Journal of Chemistry</i> , <b>2014</b> , 67, 179	1.2	19
216	Differential interaction of tomosyn with syntaxin and SNAP25 depends on domains in the WD40 Epropeller core and determines its inhibitory activity. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 17087-99	5.4	24
215	Quantitatives imaging durch molekulare Auflösung. <i>BioSpektrum</i> , <b>2014</b> , 20, 618-621	0.1	
214	Cubic B-spline calibration for 3D super-resolution measurements using astigmatic imaging. <i>Optics Express</i> , <b>2014</b> , 22, 10304-16	3.3	17

213	Super-Resolution Imaging of Plasma Membrane Glycans. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 11101-11104	3.6	20
212	Probing Amyloid Aggregation and Morphology In Situ by Multiparameter Imaging and Super-Resolution Fluorescence Microscopy <b>2014</b> , 105-120		3
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