Citation Report
List of articles citing

A near-infrared fluorophore for live-cell super-resolution microscopy of cellular proteins

DOI: 10.1038/nchem.1546
Nature Chemistry, 2013, 5, 132-9.

#	Paper	IF	Citations
713	Quantitative Single-Residue Bioorthogonal Labeling of G Protein-Coupled Receptors in Live Cells.		
712	Imaging of Tie2 with a Fluorescently Labeled Small Molecule Affinity Ligand.		
711	Cell-Permeant Large Stokes Shift Dyes for Transfection-Free Multicolor Nanoscopy.		
710	Design and Synthesis of an Activatable Photoacoustic Probe for Hypochlorous Acid.		
709	Platinum(IV)-Ferrocene Conjugates and Their Cyclodextrin HostGuest Complexes.		
708	Development of fluorogenic probes for quick no-wash live-cell imaging of intracellular proteins. **2013**, 135, 12360-5		87
707	STED microscopy of living cells--new frontiers in membrane and neurobiology. **2013**, 126, 203-12		53
706	Design and synthesis of laser-activatable tetrazoles for a fast and fluorogenic red-emitting 1,3-dipolar cycloaddition reaction. **2013**, 15, 5496-9		44
705	Live intracellular super-resolution imaging using site-specific stains. **2013**, 8, 2643-8		31
704	A genetically encoded fluorescent probe in mammalian cells. **2013**, 135, 12540-3		123
703	Rational design, green synthesis, and initial evaluation of a series of full-color tunable fluorescent dyes enabled by the copper-catalyzed N-arylation of 6-phenyl pyridazinones and their application in cell imaging. **2013**, 19, 13774-82		19
702	A reversible Hg(II)-selective fluorescent chemosensor based on a thioether linked bis-rhodamine. **2013**, 3, 24891		37
701	Fluorescent imaging: Shining a light into live cells. *Nature Chemistry*, **2013**, 5, 81-2	17.6	9
700	Chemical tags: inspiration for advanced imaging techniques. **2013**, 17, 637-43		29
699	9-(4-Dimethylaminophenyl)benzo[b]quinolizinium: a near-infrared fluorophore for the multicolor analysis of proteins and nucleic acids in living cells. **2013**, 19, 8736-41		44
698	Led to the near infrared. **2013**, 10, 196		
697	Video-rate nanoscopy using sCMOS camera-specific single-molecule localization algorithms. **2013**, 10, 653-8		376

696	Graphene quantum dots as universal fluorophores and their use in revealing regulated trafficking of insulin receptors in adipocytes. **2013**, 7, 6278-86	204
695	Improved super-resolution microscopy with oxazine fluorophores in heavy water. **2013**, 52, 8948-51	47
694	Ligand-free palladium-mediated site-specific protein labeling inside gram-negative bacterial pathogens. **2013**, 135, 7330-8	122
693	Carbofluoresceins and carborhodamines as scaffolds for high-contrast fluorogenic probes. **2013**, 8, 1303-10	140
692	Protein labeling with fluorogenic probes for no-wash live-cell imaging of proteins. **2013**, 17, 644-50	48
691	A fluorogenic TMP-tag for high signal-to-background intracellular live cell imaging. **2013**, 8, 1704-12	60
690	Localization microscopy coming of age: from concepts to biological impact. **2013**, 126, 3505-13	77
689	SNAP-, CLIP- and Halo-tag labelling of budding yeast cells. **2013**, 8, e78745	72
688	Imaging the invisible: resolving cellular microcompartments by superresolution microscopy techniques. **2013**, 394, 1097-113	17
687	Verbesserte hochauflösende Mikroskopie mit Oxazinfarbstoffen in schwerem Wasser. **2013**, 125, 9117-9120	2
686	Bioorthogonal small molecule imaging agents allow single-cell imaging of MET. **2013**, 8, e81275	14
685	Mitigating phototoxicity during multiphoton microscopy of live Drosophila embryos in the 1.0-1.2 μm wavelength range. **2014**, 9, e104250	42
684	Investigating fluorescent dyes in fluorescence-assisted screenings. **2014**, 50, 15220-3	4
683	Membrane microdomains: from seeing to understanding. **2014**, 5, 18	26
682	Pathways to optical STED microscopy. **2014**, 1,	14
681	Hochaufgelöste Visualisierung des Golgi-Apparats in lebenden Zellen mit einem bioorthogonalen Ceramid. **2014**, 126, 10407-10412	19
680	Ligand-assisted dual-site click labeling of EGFR on living cells. **2014**, 15, 1738-43	14
679	Reduced dyes enhance single-molecule localization density for live superresolution imaging. **2014**, 15, 750-5	13

678	Localization microscopy using noncovalent fluorogen activation by genetically encoded fluorogen-activating proteins. **2014**, 15, 687-695	43
677	Bright, Highly Water-Soluble Triazacyclononane Europium Complexes To Detect Ligand Binding with Time-Resolved FRET Microscopy. **2014**, 126, 10894-10898	15
676	Red fluorescent turn-on ligands for imaging and quantifying G protein-coupled receptors in living cells. **2014**, 15, 359-63	38
675	STED Fluorescence Nanoscopy. **2014**, 3-25	2
674	Spectroscopic techniques for monitoring protein interactions in living cells. **2014**, 24, 54-62	12
673	New red-fluorescent calcium indicators for optogenetics, photoactivation and multi-color imaging. **2014**, 1843, 2284-306	61
672	Eight years of single-molecule localization microscopy. **2014**, 141, 561-75	99
671	The efficacy of Raf kinase recruitment to the GTPase H-ras depends on H-ras membrane conformer-specific nanoclustering. **2014**, 289, 9519-33	40
670	Bright building blocks for chemical biology. **2014**, 9, 855-66	319
669	A Route to Cyclooct-2-ynol and Its Functionalization by Mitsunobu Chemistry. **2014**, 2014, 1280-1286	2
668	High-density single-particle tracking: quantifying molecule organization and dynamics at the nanoscale. **2014**, 141, 587-95	22
667	Live-cell reporters for fluorescence imaging. **2014**, 20, 36-45	34
666	Minimal tags for rapid dual-color live-cell labeling and super-resolution microscopy. **2014**, 53, 2245-9	210
665	A novel strategy to design latent ratiometric fluorescent pH probes based on self-assembled SNARF derivatives. **2014**, 4, 348-357	20
664	Exploring bacterial cell biology with single-molecule tracking and super-resolution imaging. **2014**, 12, 9-22	187
663	Peptide tag/probe pairs based on the coordination chemistry for protein labeling. **2014**, 53, 1816-23	33
662	Spatial organization of RNA polymerase II inside a mammalian cell nucleus revealed by reflected light-sheet superresolution microscopy. **2014**, 111, 681-6	100
661	Imaging of RNAs in live cells with spectrally diverse small molecule fluorophores. **2014**, 139, 44-7	12

660 A general approach to spirolactonized Si-rhodamines. **2014**, 50, 14374-7 41

659 Accessing the third dimension in localization-based super-resolution microscopy. **2014**, 16, 16340-8 31

658 Live-cell targeting of his-tagged proteins by multivalent N-nitrilotriacetic acid carrier complexes. **2014**, 136, 13975-8 33

657 Super-resolution microscopy approaches for live cell imaging. **2014**, 107, 1777-1784 164

656 Red Si-rhodamine drug conjugates enable imaging in GFP cells. **2014**, 50, 4504-7 37

655 Exocytosis and Endocytosis. **2014**,

654 Experimental proof of concept of nanoparticle-assisted STED. **2014**, 14, 4449-53 24

653 Bright, highly water-soluble triazacyclononane europium complexes to detect ligand binding with time-resolved FRET microscopy. **2014**, 53, 10718-22 84

652 Evaluation of fluorophores to label SNAP-tag fused proteins for multicolor single-molecule tracking microscopy in live cells. **2014**, 107, 803-14 64

651 Theoretical elucidation of the origins of substituent and strain effects on the rates of Diels-Alder reactions of 1,2,4,5-tetrazines. **2014**, 136, 11483-93 113

650 Far-red fluorescence probe for monitoring singlet oxygen during photodynamic therapy. **2014**, 136, 11707-15 177

649 A rapid SNAP-tag fluorogenic probe based on an environment-sensitive fluorophore for no-wash live cell imaging. **2014**, 9, 2359-65 42

648 Super-resolution imaging of the Golgi in live cells with a bioorthogonal ceramide probe. **2014**, 53, 10242-6 103

647 STED microscopy: increased resolution for medical research?. **2014**, 276, 560-78 22

646 STED microscopy - towards broadened use and scope of applications. **2014**, 20, 127-33 21

645 A spontaneously blinking fluorophore based on intramolecular spirocyclization for live-cell super-resolution imaging. *Nature Chemistry*, **2014**, 6, 681-9 17.6 250

644 Imaging bacterial peptidoglycan with near-infrared fluorogenic azide probes. **2014**, 111, 5456-61 137

643 Advances in fluorescence labeling strategies for dynamic cellular imaging. **2014**, 10, 512-23 336

642	Twinkle, twinkle little star: photoswitchable fluorophores for super-resolution imaging. **2014**, 588, 3603-12	97
641	Nanoprobes for super-resolution fluorescence imaging at the nanoscale. **2014**, 57, 100-106	24
640	Introduction to super-resolution microscopy. **2014**, 63, 177-92	75
639	Fluorogenic probes for live-cell imaging of the cytoskeleton. **2014**, 11, 731-3	507
638	Correlative light- and electron microscopy with chemical tags. **2014**, 186, 205-13	67
637	Monoalkoxy BODIPYs--a fluorophore class for bioimaging. **2014**, 25, 1043-51	55
636	Super-resolution molecular and functional imaging of nanoscale architectures in life and materials science. **2014**, 2, 20	17
635	Towards digital photon counting cameras for single-molecule optical nanoscopy. **2014**, 3, 1	23
634	New trends in near-infrared fluorophores for bioimaging. **2014**, 30, 327-49	140
633	Schnelle, zweifarbige Proteinmarkierung an lebenden Zellen f□ die hochaufl□sende Mikroskopie. **2014**, 126, 2278-2282	45
632	A novel two-step genome editing strategy with CRISPR-Cas9 provides new insights into telomerase action and TERT gene expression. **2015**, 16, 231	58
631	Photochemical Cleavage of the Axial Group Attached to the Central Carbon Atom of Triazatriangulene. **2015**, 44, 76-78	10
630	The periciliary ring in polarized epithelial cells is a hot spot for delivery of the apical protein gp135. **2015**, 211, 287-94	13
629	A Phosphole Oxide Based Fluorescent Dye with Exceptional Resistance to Photobleaching: A Practical Tool for Continuous Imaging in STED Microscopy. **2015**, 127, 15428-15432	24
628	A Phosphole Oxide Based Fluorescent Dye with Exceptional Resistance to Photobleaching: A Practical Tool for Continuous Imaging in STED Microscopy. **2015**, 54, 15213-7	82
627	Near-Infrared Phosphorus-Substituted Rhodamine with Emission Wavelength above 700 nm for Bioimaging. **2015**, 21, 16754-8	98
626	Redesign of a Fluorogenic Labeling System To Improve Surface Charge, Brightness, and Binding Kinetics for Imaging the Functional Localization of Bromodomains. **2015**, 127, 14576-14579	9
625	Redesign of a Fluorogenic Labeling System To Improve Surface Charge, Brightness, and Binding Kinetics for Imaging the Functional Localization of Bromodomains. **2015**, 54, 14368-71	25

624	Superresolution microscopy for bioimaging at the nanoscale: from concepts to applications in the nucleus. **2015**, 157	2
623	Fluorescent Reporters and Biosensors for Probing the Dynamic Behavior of Protein Kinases. **2015**, 3, 369-410	32
622	Near-infrared fluorescence activation probes based on disassembly-induced emission cyanine dye. **2015**, 6, 4643-4649	39
621	Optimized Near-IR Fluorescent Agents for in Vivo Imaging of Btk Expression. **2015**, 26, 1513-8	40
620	Shuttling of PINK1 between Mitochondrial Microcompartments Resolved by Triple-Color Superresolution Microscopy. **2015**, 10, 1970-6	17
619	The unprecedented J-aggregate formation of rhodamine moieties induced by 9-phenylanthracenyl substitution. **2015**, 51, 11580-3	21
618	Dark dyes-bright complexes: fluorogenic protein labeling. **2015**, 27, 18-23	49
617	Bioorthogonal fluorescent labels: a review on combined forces. **2015**, 3, 042001	43
616	Fluorogen-based reporters for fluorescence imaging: a review. **2015**, 3, 042007	34
615	Fluorescent dyes with large Stokes shifts for super-resolution optical microscopy of biological objects: a review. **2015**, 3, 042004	121
614	The 2015 super-resolution microscopy roadmap. **2015**, 48, 443001	211
613	Absolute two-photon excitation spectra of red and far-red fluorescent probes. **2015**, 40, 4915-8	7
612	DIVERSE System: De Novo Creation of Peptide Tags for Non-enzymatic Covalent Labeling by In Vitro Evolution for Protein Imaging Inside Living Cells. **2015**, 22, 1671-9	17
611	A genetically encoded alkyne directs palladium-mediated protein labeling on live mammalian cell surface. **2015**, 10, 379-84	31
610	Rapid, specific, no-wash, far-red fluorogen activation in subcellular compartments by targeted fluorogen activating proteins. **2015**, 10, 1239-46	49
609	Preface. Site-specific protein labeling. **2015**, 1266, v-viii	14
608	A general method to improve fluorophores for live-cell and single-molecule microscopy. **2015**, 12, 244-50, 3 p following 250	845
607	Discovery, understanding, and bioapplication of organic fluorophore: a case study with an indolizine-based novel fluorophore, Seoul-Fluor. **2015**, 48, 538-47	169

606	A polyamine-modified near-infrared fluorescent probe for selective staining of live cancer cells. **2015**, 51, 7360-3	15
605	On-Resin Conjugation of Diene-Polyamides and Maleimides via Diels-Alder Cycloaddition. **2015**, 80, 6093-101	8
604	Direct optical nanoscopy with axially localized detection. **2015**, 9, 587-593	82
603	A Photostable Silicon Rhodamine Platform for Optical Voltage Sensing. **2015**, 137, 10767-76	123
602	Optical sensor: a promising strategy for environmental and biomedical monitoring of ionic species. **2015**, 5, 72150-72287	147
601	Lens-based fluorescence nanoscopy. **2015**, 48, 178-243	101
600	Genetically Encoded Spy Peptide Fusion System to Detect Plasma Membrane-Localized Proteins In Vivo. **2015**, 22, 1108-21	45
599	A guide to use photocontrollable fluorescent proteins and synthetic smart fluorophores for nanoscopy. **2015**, 64, 263-77	31
598	Labeling proteins on live mammalian cells using click chemistry. **2015**, 10, 780-91	101
597	A review of fluorescent ligands for studying 5-HT3 receptors. **2015**, 98, 31-40	7
596	Spiroboronate Si-rhodamine as a near-infrared probe for imaging lysosomes based on the reversible ring-opening process. **2015**, 51, 9608-11	40
595	Genetic code expansion enables live-cell and super-resolution imaging of site-specifically labeled cellular proteins. **2015**, 137, 4602-5	122
594	Illuminating biological processes through site-specific protein labeling. **2015**, 44, 3405-17	100
593	SNAP-Tag-Reactive Lipid Anchors Enable Targeted and Spatiotemporally Controlled Localization of Proteins to Phospholipid Membranes. **2015**, 137, 4884-7	37
592	SiR-Hoechst is a far-red DNA stain for live-cell nanoscopy. **2015**, 6, 8497	171
591	Labelling and imaging of single endogenous messenger RNA particles in vivo. **2015**, 128, 3695-706	7
590	Far-Red Emitting Fluorescent Dyes for Optical Nanoscopy: Fluorinated Silicon-Rhodamines (SiRF Dyes) and Phosphorylated Oxazines. **2015**, 21, 13344-56	36
589	Genetic code expansion enabled site-specific dual-color protein labeling: superresolution microscopy and beyond. **2015**, 28, 164-73	56

588	Systematic Evaluation of Bioorthogonal Reactions in Live Cells with Clickable HaloTag Ligands: Implications for Intracellular Imaging. **2015**, 137, 11461-75	111
587	Sensing Inside the Living Cells. **2015**, 603-675	2
586	Imaging and manipulating proteins in live cells through covalent labeling. **2015**, 11, 917-23	137
585	Site-specific labeling of proteins for electron microscopy. **2015**, 192, 151-8	4
584	Characterizing new fluorescent tools for studying 5-HT receptor pharmacology. **2015**, 90, 63-73	15
583	Super-resolution imaging in live cells. **2015**, 401, 175-81	59
582	Tools for visualizing cell-cell 'interactomes'. **2015**, 24, 121-30	14
581	Genetic targeting of chemical indicators in vivo. **2015**, 12, 137-9	48
580	Fluorogenic protein labelling: a review of photophysical quench mechanisms and principles of fluorogen design. **2015**, 93, 389-398	28
579	Functionalization of the meso-Phenyl Ring of Rhodamine Dyes Through SNAr with Sulfur Nucleophiles: Synthesis, Biophysical Characterizations, and Comprehensive NMR Analysis. **2015**, 2015, 337-349	12
578	Silicon-substituted xanthene dyes and their applications in bioimaging. **2015**, 140, 685-95	112
577	New Red-Emitting Tetrazine-Phenoxazine Fluorogenic Labels for Live-Cell Intracellular Bioorthogonal Labeling Schemes. **2016**, 22, 8972-9	46
576	Super-resolved insights into human immunodeficiency virus biology. **2016**, 590, 1858-76	21
575	A Three-Photon Active Organic Fluorophore for Deep Tissue Ratiometric Imaging of Intracellular Divalent Zinc. **2016**, 11, 1523-7	9
574	Evolution of Rhodamine B into Near-Infrared Dye by Phototriggered Radical Reaction and Its Application for Lysosome-Specific Live-Cell Imaging. **2016**, 4, 1367-1372	6
573	Super-resolution imaging of ciliary microdomains in isolated olfactory sensory neurons using a custom two-color stimulated emission depletion microscope. **2016**, 21, 66017	10
572	A role for mitotic bookmarking of SOX2 in pluripotency and differentiation. **2016**, 30, 2538-2550	88
571	Two-colour live-cell nanoscale imaging of intracellular targets. **2016**, 7, 10778	132

570	Methodology for Quantitative Characterization of Fluorophore Photoswitching to Predict Superresolution Microscopy Image Quality. **2016**, 6, 29687	10
569	Labeling of virus components for advanced, quantitative imaging analyses. **2016**, 590, 1896-914	27
568	Fluorescent Rhodamines and Fluorogenic Carbopyronines for Super-Resolution STED Microscopy in Living Cells. **2016**, 55, 3290-4	149
567	Multiexcitation Fluorogenic Labeling of Surface, Intracellular, and Total Protein Pools in Living Cells. **2016**, 27, 1525-31	12
566	Aziridinyl Fluorophores Demonstrate Bright Fluorescence and Superior Photostability by Effectively Inhibiting Twisted Intramolecular Charge Transfer. **2016**, 138, 6960-3	182
565	Fluoreszierende Rhodamine und fluorogene Carbopyronine f□die STED-Mikroskopie lebender Zellen. **2016**, 128, 3350-3355	31
564	Closing the gap: The approach of optical and computational microscopy to uncover biomembrane organization. **2016**, 1858, 2558-2568	10
563	Synthesis of a Far-Red Photoactivatable Silicon-Containing Rhodamine for Super-Resolution Microscopy. **2016**, 55, 1723-7	107
562	Persistent Luminescence Nanomaterials for Biomedical Applications: A Quick Grasp of the Trend. **2016**, 333-362	1
561	Endo-□Glucosidase Tag Allows Dual Detection of Fusion Proteins by Fluorescent Mechanism-Based Probes and Activity Measurement. **2016**, 17, 1698-704	2
560	'Light up' protein-protein interaction through bioorthogonal incorporation of a turn-on fluorescent probe into □lactamase. **2016**, 12, 3544-3549	4
559	Shedding light on biology of bacterial cells. **2016**, 371,	25
558	Replacement of Dialkyl Amino Group on DA Type Fluorophores to Increase the Brightness. **2016**, 37, 1741-1742	0
557	Super-resolution Imaging of Live Bacteria Cells Using a Genetically Directed, Highly Photostable Fluoromodule. **2016**, 138, 10398-401	49
556	A Bioorthogonal Near-Infrared Fluorogenic Probe for mRNA Detection. **2016**, 138, 11429-32	132
555	A Fluorescent Reporter for Single Cell Analysis of Gene Expression in Clostridium difficile. **2016**, 1476, 69-90	8
554	Design and characterization of red fluorogenic push-pull chromophores holding great potential for bioimaging and biosensing. **2016**, 14, 9253-9261	21
553	Fluorogenic probes reveal a role of GLUT4 N-glycosylation in intracellular trafficking. **2016**, 12, 853-9	38

552	Stimulated Emission Depletion Nanoscopy Reveals Time-Course of Human Immunodeficiency Virus Proteolytic Maturation. **2016**, 10, 8215-22	25
551	Light-Up "Channel Dyes" for Haloalkane-Based Protein Labeling in Vitro and in Bacterial Cells. **2016**, 27, 2839-2843	15
550	From single molecules to life: microscopy at the nanoscale. **2016**, 408, 6885-911	70
549	Photoswitchable Spiropyran Dyads for Biological Imaging. **2016**, 18, 3666-9	33
548	Rational Design of Fluorescent Phthalazinone Derivatives for One- and Two-Photon Imaging. **2016**, 22, 12363-70	12
547	Fluorogenic Probes for Multicolor Imaging in Living Cells. **2016**, 138, 9365-8	149
546	"Reduced" Coumarin Dyes with an O-Phosphorylated 2,2-Dimethyl-4-(hydroxymethyl)-1,2,3,4-tetrahydroquinoline Fragment: Synthesis, Spectra, and STED Microscopy. **2016**, 22, 11631-42	17
545	Multicolour Multilevel STED nanoscopy of Actin/Spectrin Organization at Synapses. **2016**, 6, 26725	77
544	Spacer-free BODIPY fluorogens in antimicrobial peptides for direct imaging of fungal infection in human tissue. **2016**, 7, 10940	81
543	Site-Specific Bioorthogonal Labeling for Fluorescence Imaging of Intracellular Proteins in Living Cells. **2016**, 138, 14423-14433	72
542	Self-labelling enzymes as universal tags for fluorescence microscopy, super-resolution microscopy and electron microscopy. **2015**, 5, 17740	60
541	A Mitochondrion-Specific Photoactivatable Fluorescence Turn-On AIE-Based Bioprobe for Localization Super-Resolution Microscope. **2016**, 28, 5064-71	131
540	Dense small molecule labeling enables activator-dependent STORM by proximity mapping. **2016**, 146, 255-66	4
539	A six-membered-ring incorporated Si-rhodamine for imaging of copper(ii) in lysosomes. **2016**, 14, 6720-8	36
538	Super-resolution imaging in glycoscience: New developments and challenges. **2016**, 09, 1630007	4
537	A Dendritic Golgi Satellite between ERGIC and Retromer. **2016**, 14, 189-99	61
536	Rational design of novel near-infrared fluorescent DCM derivatives and their application in bioimaging. **2016**, 4, 4683-4689	29
535	Super-resolution fluorescent materials: an insight into design and bioimaging applications. **2016**, 45, 4651-67	139

534	Synthesis and Olfactory Properties of Silicon-Containing Analogs of Rosamusk, Romandolide, and Applelide: Insights into the Structural Parameters of Linear Alicyclic Musks. **2016**, 2016, 976-982		18
533	Precision targeted ruthenium(ii) luminophores; highly effective probes for cell imaging by stimulated emission depletion (STED) microscopy. **2016**, 7, 6551-6562		53
532	Hydrophilic trans-Cyclooctenylated Noncanonical Amino Acids for Fast Intracellular Protein Labeling. **2016**, 17, 1518-24		36
531	A Lysosome-Compatible Near-Infrared Fluorescent Probe for Targeted Monitoring of Nitric Oxide. **2016**, 22, 5649-56		41
530	Systematic dismantling of a carefully designed PCcarbeneP pincer ligand via C□ bond activations at an iridium centre. **2016**, 94, 293-296		15
529	Back to the roots: segregation of univalent sex chromosomes in meiosis. **2016**, 125, 277-86		6
528	Synthesis of a Far-Red Photoactivatable Silicon-Containing Rhodamine for Super-Resolution Microscopy. **2016**, 128, 1755-1759		32
527	Water-Soluble NIR-Absorbing Rylene Chromophores for Selective Staining of Cellular Organelles. **2016**, 138, 2881-4		52
526	Crosslinked dendronized polyols as a general approach to brighter and more stable fluorophores. **2016**, 52, 3781-4		28
525	Selective chemical labeling of proteins. **2016**, 14, 5417-39		122
524	Unparalleled Ease of Access to a Library of Biheteroaryl Fluorophores via Oxidative Cross-Coupling Reactions: Discovery of Photostable NIR Probe for Mitochondria. **2016**, 138, 4730-8		138
523	Intra-molecular triplet energy transfer is a general approach to improve organic fluorophore photostability. **2016**, 15, 196-203		36
522	Excited-state dynamics of Si-rhodamine and its aggregates: versatile fluorophores for NIR absorption. **2016**, 18, 2097-103		7
521	Small fluorescence-activating and absorption-shifting tag for tunable protein imaging in vivo. **2016**, 113, 497-502		113
520	Inverse Electron-Demand Diels-Alder Bioorthogonal Reactions. **2016**, 374, 3		74
519	Visualization of mismatch repair complexes using fluorescence microscopy. **2016**, 38, 58-67		10
518	Controlling and imaging biomimetic self-assembly. *Nature Chemistry*, **2016**, 8, 10-5	17.6	363
517	Design of a protein tag and fluorogenic probe with modular structure for live-cell imaging of intracellular proteins. **2016**, 7, 308-314		17

516	Fluorescent probes for nanoscopy: four categories and multiple possibilities. **2017**, 10, 11-23	22
515	Labeling and Single-Molecule Methods To Monitor G Protein-Coupled Receptor Dynamics. **2017**, 117, 186-245	75
514	Solvatochromic and Fluorogenic Dyes as Environment-Sensitive Probes: Design and Biological Applications. **2017**, 50, 366-375	579
513	Bio-orthogonal Fluorescent Labelling of Biopolymers through Inverse-Electron-Demand Diels-Alder Reactions. **2017**, 18, 486-501	42
512	Actin visualization at a glance. **2017**, 130, 525-530	109
511	Photostable and photoswitching fluorescent dyes for super-resolution imaging. **2017**, 22, 639-652	38
510	The Cation-Interaction Enables a Halo-Tag Fluorogenic Probe for Fast No-Wash Live Cell Imaging and Gel-Free Protein Quantification. **2017**, 56, 1585-1595	45
509	Near-infrared probes based on fluorinated Si-rhodamine for live cell imaging. **2017**, 7, 10922-10927	5
508	Stimulated Emission Depletion Microscopy. **2017**, 117, 7377-7427	152
507	Fluorescent labelling in living cells. **2017**, 48, 61-68	60
506	Teaching Old Dyes New Tricks: Biological Probes Built from Fluoresceins and Rhodamines. **2017**, 86, 825-843	122
505	Fluorescence Microscopy: A Concise Guide to Current Imaging Methods. **2017**, 79, 2.1.1-2.1.25	54
504	A novel physiological role for ARF1 in the formation of bidirectional tubules from the Golgi. **2017**, 28, 1676-1687	32
503	Multicolour nanoscopy of fixed and living cells with a single STED beam and hyperspectral detection. **2017**, 7, 46492	40
502	Direct Olefination of Fluorinated Quinoxalines via Cross- Dehydrogenative Coupling Reactions: A New Near-Infrared Probe for Mitochondria. **2017**, 359, 2259-2268	12
501	Bioorthogonal double-fluorogenic siliconrhodamine probes for intracellular super-resolution microscopy. **2017**, 53, 6696-6699	57
500	Near-Infrared Organic Single-Crystal Lasers with Polymorphism-Dependent Excited State Intramolecular Proton Transfer. **2017**, 5, 1700027	34
499	Direct Observation of Cell-Cycle-Dependent Interactions between CTCF and Chromatin. **2017**, 112, 2051-2055	38

498	General C-H Arylation Strategy for the Synthesis of Tunable Visible Light-Emitting Benzo[a]imidazo[2,1,5-c,d]indolizine Fluorophores. **2017**, 82, 5046-5067	25
497	Silicon-substituted Xanthene Dyes and Their Unique Photophysical Properties for Fluorescent Probes. **2017**, 12, 1435-1446	62
496	A Versatile Tool for Live-Cell Imaging and Super-Resolution Nanoscopy Studies of HIV-1 Env Distribution and Mobility. **2017**, 24, 635-645.e5	42
495	Ru(II)-Catalyzed Regiospecific C-H/O-H Oxidative Annulation to Access Isochromeno[8,1-]phenazines: Far-Red Fluorescence and Live Cancer Cell Imaging. **2017**, 2, 2694-2705	10
494	Rational Design of a Near-Infrared Fluorescent Probe Based on a Pyridazinone Scaffold. **2017**, 2017, 3274-3281	3
493	SNAP-Tag-Based Subcellular Protein Labeling and Fluorescent Imaging with Naphthalimides. **2017**, 18, 1762-1769	6
492	Meeting Proceedings, 2017 Cornell University Baker Symposium-Quo Vadis: The Boundless Trajectories of Chemical Biology. **2017**, 56, 2967-2970	
491	Polyamine-modified near-infrared cyanine dyes for targeting the nuclei and nucleoli of cells. **2017**, 145, 80-94	6
490	Meeting Proceedings, 2017 Cornell University Baker Symposium□Quo Vadis: The Boundless Trajectories of Chemical Biology. **2017**, 12, 1445-1448	
489	SNAP-tag fluorogenic probes for wash free protein labeling. **2017**, 28, 1911-1915	26
488	Hydroxylated Fluorescent Dyes for Live-Cell Labeling: Synthesis, Spectra and Super-Resolution STED. **2017**, 23, 12114-12119	52
487	Single-Molecule Localization Microscopy in Eukaryotes. **2017**, 117, 7478-7509	209
486	Triblock near-infrared fluorescent polymer semiconductor nanoparticles for targeted imaging. **2017**, 5, 5685-5692	10
485	Navigating challenges in the application of superresolution microscopy. **2017**, 216, 53-63	60
484	Versatile Interacting Peptide (VIP) Tags for Labeling Proteins with Bright Chemical Reporters. **2017**, 18, 470-474	18
483	A Rationally Designed, General Strategy for Membrane Orientation of Photoinduced Electron Transfer-Based Voltage-Sensitive Dyes. **2017**, 12, 407-413	32
482	Fluorogenic Protein Labeling Probes to Study the Morphological Interplay between PreLamin and Mature Lamin. **2017**, 28, 2895-2902	7
481	Cell-Permeant Large Stokes Shift Dyes for Transfection-Free Multicolor Nanoscopy. **2017**, 139, 12378-12381	77

480	Bismuth-rhodamine: a new red light-excitable photosensitizer. **2017**, 46, 15991-15995		18
479	Expanding and reprogramming the genetic code. **2017**, 550, 53-60		378
478	Super-Resolution Microscopy. **2017**,		5
477	Thiophene-fused 1,10-phenanthroline toward a far-red emitting conjugated polymer and its polymer dots: synthesis, properties and subcellular imaging. **2017**, 1, 2638-2642		13
476	Fluorescent nucleobases as tools for studying DNA and RNA. *Nature Chemistry*, **2017**, 9, 1043-1055	17.6	170
475	Development of cyanine probes with dinitrobenzene quencher for rapid fluorogenic protein labelling. **2017**, 375,		6
474	Remote light-controlled intracellular target recognition by photochromic fluorescent glycoprobes. **2017**, 8, 987		97
473	Single-molecule imaging reveals receptor-G protein interactions at cell surface hot spots. **2017**, 550, 543-547		157
472	Protein recognition by a pattern-generating fluorescent molecular probe. **2017**, 12, 1161-1168		71
471	A naphthalimide-derived fluorogenic probe for SNAP-tag with a fast record labeling rate. **2017**, 147, 327-333		11
470	B(CF)-Catalyzed C-Si/Si-H Cross-Metathesis of Hydrosilanes. **2017**, 139, 12434-12437		34
469	Direct fluorescent-dye labeling of □tubulin in mammalian cells for live cell and superresolution imaging. **2017**, 28, 2747-2756		27
468	Covalent Lipid Pocket Ligands Targeting p38□MAPK Mutants. **2017**, 56, 13232-13236		13
467	Kovalente Liganden zur Adressierung einer lipophilen Bindetasche in der MAPK p38□**2017**, 129, 13415-13419		
466	Two-Color Single-Molecule Tracking in Live Cells. **2017**, 1663, 127-138		0
465	STED Imaging of Golgi Dynamics with Cer-SiR: A Two-Component, Photostable, High-Density Lipid Probe for Live Cells. **2017**, 1663, 65-78		7
464	Cation-□Lights Up "Halo". **2017**, 56, 5221-5222		
463	Probing Self-Assembly of G Protein-Coupled Receptor Oligomers in Membranes Using Molecular Dynamics Modeling and Experimental Approaches. **2017**, 385-414		1

462	Live-cell p53 single-molecule binding is modulated by C-terminal acetylation and correlates with transcriptional activity. **2017**, 8, 313	64
461	Development and applications of a near-infrared dye-benzylguanine conjugate to specifically label SNAP-tagged proteins. **2017**, 15, 8091-8101	12
460	Long-Term Live-Cell STED Nanoscopy of Primary and Cultured Cells with the Plasma Membrane HIDE Probe DiI-SiR. **2017**, 56, 10408-10412	30
459	Super-Photostable Phosphole-Based Dye for Multiple-Acquisition Stimulated Emission Depletion Imaging. **2017**, 139, 10374-10381	92
458	Measurement of nanoscale three-dimensional diffusion in the interior of living cells by STED-FCS. **2017**, 8, 65	51
457	SNAP-tagged Chikungunya Virus Replicons Improve Visualisation of Non-Structural Protein 3 by Fluorescence Microscopy. **2017**, 7, 5682	17
456	Long-Term Live-Cell STED Nanoscopy of Primary and Cultured Cells with the Plasma Membrane HIDE Probe DiI-SiR. **2017**, 129, 10544-10548	3
455	2DMaterials-Based Quantum Dots: Gateway Towards Next-Generation Optical Devices. **2017**, 5, 1700257	51
454	HIDE Probes: A New Toolkit for Visualizing Organelle Dynamics, Longer and at Super-Resolution. **2017**, 56, 5194-5201	16
453	General Synthetic Method for Si-Fluoresceins and Si-Rhodamines. **2017**, 3, 975-985	93
452	Single-molecule imaging of the BAR-domain protein Pil1p reveals filament-end dynamics. **2017**, 28, 2251-2259	17
451	Single-molecule imaging and tracking of molecular dynamics in living cells. **2017**, 4, 739-760	23
450	Intracellular Protein-Labeling Probes for Multicolor Single-Molecule Imaging of Immune Receptor-Adaptor Molecular Dynamics. **2017**, 139, 17397-17404	21
449	Chemistry Is Dead. Long Live Chemistry!. **2017**, 56, 5165-5170	66
448	Choosing proper fluorescent dyes, proteins, and imaging techniques to study mitochondrial dynamics in mammalian cells. **2017**, 3, 64-72	16
447	Long time-lapse nanoscopy with spontaneously blinking membrane probes. **2017**, 35, 773-780	100
446	Inverse electron demand Diels-Alder reactions in chemical biology. **2017**, 46, 4895-4950	465
445	Tetrazine-Responsive Self-immolative Linkers. **2017**, 18, 91-95	38

444	A Critical and Comparative Review of Fluorescent Tools for Live-Cell Imaging. **2017**, 79, 93-117		234
443	Green- to far-red-emitting fluorogenic tetrazine probes - synthetic access and no-wash protein imaging inside living cells. **2017**, 8, 1506-1510		105
442	Near-Infrared Fluorescent Nanomaterials for Bioimaging and Sensing. **2017**, 5, 1600446		85
441	Rational design of reversible fluorescent probes for live-cell imaging and quantification of fast glutathione dynamics. *Nature Chemistry*, **2017**, 9, 279-286	17.6	276
440	Specifically and wash-free labeling of SNAP-tag fused proteins with a hybrid sensor to monitor local micro-viscosity. **2017**, 91, 313-320		32
439	Electronic tuning of self-healing fluorophores for live-cell and single-molecule imaging. **2017**, 8, 755-762		36
438	Design and Development of Fluorescent Vemurafenib Analogs for Imaging. **2017**, 7, 1257-1265		14
437	Fluorogenic Labeling Strategies for Biological Imaging. **2017**, 18,		44
436	Functional characterisation of filamentous actin probe expression in neuronal cells. **2017**, 12, e0187979		4
435	[Hybrid fluorescent probes for imaging cellular proteins on demand]. **2017**, 33, 576-578		0
434	Phosphole P-Oxide-Containing Electron Materials: Synthesis and Applications in Fluorescence Imaging. **2017**, 75, 1179-1187		8
433	In Situ Protein Labeling in Complex Environments. **2017**, 409-437		2
432	Super-Chelators for Advanced Protein Labeling in Living Cells. **2018**, 57, 5620-5625		14
431	Design, synthesis, and time-gated cell imaging of carbon-bridged triangulenium dyes with long fluorescence lifetime and red emission. **2018**, 9, 3122-3130		29
430	Fluorescent dyes and probes for super-resolution microscopy of microtubules and tracheoles in living cells and tissues. **2018**, 9, 3324-3334		47
429	Myosin 1f is specifically required for neutrophil migration in 3D environments during acute inflammation. **2018**, 131, 1887-1898		39
428	Super-Chelators for Advanced Protein Labeling in Living Cells. **2018**, 130, 5722-5727		4
427	Single-Molecule Dynamics and Localization of DNA Repair Proteins in Cells. **2018**, 600, 375-406		2

426	Noncanonical Amino Acids. **2018**,	0
425	Fluorogenic Tetrazine-Siliconrhodamine Probe for the Labeling of Noncanonical Amino Acid Tagged Proteins. **2018**, 1728, 337-363	2
424	STED super-resolved microscopy. **2018**, 15, 173-182	243
423	5 STED microscopy: exploring fluorescence lifetime gradients for super-resolution at reduced illumination intensities. **2018**, 85-102	2
422	Synthetic-Molecule/Protein Hybrid Probe with Fluorogenic Switch for Live-Cell Imaging of DNA Methylation. **2018**, 140, 1686-1690	72
421	An introduction to optical super-resolution microscopy for the adventurous biologist. **2018**, 6, 022003	95
420	DNA Origami Route for Nanophotonics. **2018**, 5, 1151-1163	116
419	Playing with the Molecules of Life. **2018**, 13, 854-870	156
418	Direct Transformation of Esters into Heterocyclic Fluorophores. **2018**, 57, 2436-2440	49
417	Direkte Umwandlung von Estern in heterocyclische Fluorophore. **2018**, 130, 2461-2465	11
416	A Molecular Rotor-Based Halo-Tag Ligand Enables a Fluorogenic Proteome Stress Sensor to Detect Protein Misfolding in Mildly Stressed Proteome. **2018**, 29, 215-224	23
415	Dual-Color and 3D Super-Resolution Microscopy of Multi-protein Assemblies. **2018**, 1764, 237-251	7
414	Super-long single-molecule tracking reveals dynamic-anchorage-induced integrin function. **2018**, 14, 497-506	46
413	Unique fluorescence of boronic acid derived salicylidenehydrazone complexes with two perpendicular ICT: Solvent effect on PET process. **2018**, 155, 186-193	2
412	S- Cis Diene Conformation: A New Bathochromic Shift Strategy for Near-Infrared Fluorescence Switchable Dye and the Imaging Applications. **2018**, 140, 5224-5234	38
411	The ratiometric fluorescence nanoparticle based on SiRB for pH detection of tumor. **2018**, 118, 32-39	5
410	Overcoming diffraction limit: From microscopy to nanoscopy. **2018**, 53, 290-312	22
409	Boronic acid derived salicylidenehydrazone complexes for wash-free fluorescence imaging of cellular organelles. **2018**, 149, 356-362	7

408	Two-Color 810 nm STED Nanoscopy of Living Cells with Endogenous SNAP-Tagged Fusion Proteins. **2018**, 13, 475-480	42
407	Near infrared imaging of Mer tyrosine kinase (MERTK) using MERi-SiR reveals tumor associated macrophage uptake in metastatic disease. **2017**, 54, 42-45	19
406	A green-light-emitting, spontaneously blinking fluorophore based on intramolecular spirocyclization for dual-colour super-resolution imaging. **2017**, 54, 102-105	36
405	Tuning the Color Palette of Fluorescent Copper Sensors through Systematic Heteroatom Substitution at Rhodol Cores. **2018**, 13, 1844-1852	23
404	Single-Molecule Imaging of GPCR Interactions. **2018**, 39, 109-122	43
403	A conformational sensor based on genetic code expansion reveals an autocatalytic component in EGFR activation. **2018**, 9, 3847	17
402	Probe, Sample, and Instrument (PSI)The Hat-Trick for Fluorescence Live Cell Imaging. **2018**, 6, 40	16
401	B4MultiSR: A Benchmark for Multiple-Image Super-Resolution Reconstruction. **2018**, 361-375	2
400	Switchable Fluorophores for Single-Molecule Localization Microscopy. **2018**, 118, 9412-9454	124
399	Near-IR Fluorescent Tracer for Glucose-Uptake Monitoring in Live Cells. **2018**, 29, 3394-3401	14
398	Tuning iridium (I) PCcarbeneP frameworks for facile cooperative N2O reduction. **2018**, 155, 281-290	13
397	Fluorogenic Protein-Based Strategies for Detection, Actuation, and Sensing. **2018**, 40, e1800118	12
396	ExTzBox: A Glowing Cyclophane for Live-Cell Imaging. **2018**, 140, 7206-7212	57
395	Layered acoustofluidic resonators for the simultaneous optical and acoustic characterisation of cavitation dynamics, microstreaming, and biological effects. **2018**, 12, 034109	14
394	Super-Resolution Fluorescence Microscopy for Single Cell Imaging. **2018**, 1068, 59-71	7
393	Semisynthetic biosensors for mapping cellular concentrations of nicotinamide adenine dinucleotides. **2018**, 7,	50
392	A New Fluorogenic Small-Molecule Labeling Tool for Surface Diffusion Analysis and Advanced Fluorescence Imaging of Site Amyloid Precursor Protein-Cleaving Enzyme 1 Based on Silicone Rhodamine: SiR-BACE1. **2018**, 61, 6121-6139	18
391	Evaluating super-resolution reconstruction of satellite images. **2018**, 153, 15-25	14

390	Robust nanoscopy of a synaptic protein in living mice by organic-fluorophore labeling. **2018**, 115, E8047-E8056	53
389	A Green BODIPY-Based, Super-Fluorogenic, Protein-Specific Labelling Agent. **2018**, 57, 12390-12394	16
388	High Spatiotemporal Resolution Imaging with Localized Plasmonic Structured Illumination Microscopy. **2018**, 12, 8248-8254	28
387	Imaging Polarized Secretory Traffic at the Immune Synapse in Living T Lymphocytes. **2018**, 9, 684	20
386	Concepts in Light Microscopy of Viruses. **2018**, 10,	29
385	Silicon Substitution in Oxazine Dyes Yields Near-Infrared Azasiline Fluorophores That Absorb and Emit beyond 700 nm. **2018**, 20, 4482-4485	11
384	Bridge-Caging Strategy in Phosphorus-Substituted Rhodamine for Modular Development of Near-Infrared Fluorescent Probes. **2018**, 24, 14506-14512	20
383	Computational protein design-the next generation tool to expand synthetic biology applications. **2018**, 52, 145-152	25
382	Clathrin-Mediated Endocytosis. **2018**,	
381	A Green BODIPY-Based, Super-Fluorogenic, Protein-Specific Labelling Agent. **2018**, 130, 12570-12574	11
380	Bioavailability of Pyrene Associated with Different Types of Protein Compounds: Direct Evidence for Its Uptake by Daphnia magna. **2018**, 52, 9851-9860	21
379	Stimulated Emission Depletion (STED) Imaging of Clathrin-Mediated Endocytosis in Living Cells. **2018**, 1847, 189-195	2
378	Far-red/near-infrared emitting, two-photon absorbing, and bio-stable amino-Si-pyronin dyes. **2019**, 10, 9028-9037	23
377	Simple and efficient delivery of cell-impermeable organic fluorescent probes into live cells for live-cell superresolution imaging. **2019**, 8, 73	17
376	3D sub-diffraction imaging in a conventional confocal configuration by exploiting super-linear emitters. **2019**, 10, 3695	23
375	Bioorthogonal labeling with tetrazine-dyes for super-resolution microscopy. **2019**, 2, 261	47
374	Photoactive yellow protein and its chemical probes: an approach to protein labelling in living cells. **2019**, 166, 121-127	4
373	Application of STED imaging for chromatin studies. **2019**, 52, 504003	13

372	Fluorescence microscopy at the molecular scale. **2019**, 12, 34-42	5
371	Photoactivation of silicon rhodamines via a light-induced protonation. **2019**, 10, 4580	19
370	Synthesis of a dihalogenated pyridinyl silicon rhodamine for mitochondrial imaging by a halogen dance rearrangement. **2019**, 15, 2333-2343	4
369	Hydrogen-bonding-induced bathochromic effect of Si-coumarin and its use in monitoring adipogenic differentiation. **2019**, 55, 11802-11805	12
368	Rational Design of Fluorogenic and Spontaneously Blinking Labels for Super-Resolution Imaging. **2019**, 5, 1602-1613	66
367	Live-cell STED nanoscopy of mitochondrial cristae. **2019**, 9, 12419	75
366	Coloring Cell Complexity: The Case for an Expansive Fluorophore Palette. **2019**, 5, 1490-1492	
365	Single-molecule localization to study cytoskeletal structures, membrane complexes, and mechanosensors. **2019**, 11, 745-756	2
364	Chemical Tools with Fluorescence Switches for Verifying Epigenetic Modifications. **2019**, 52, 2849-2857	10
363	Rhodamine-Hoechst positional isomers for highly efficient staining of heterochromatin. **2019**, 10, 1962-1970	43
362	A Golgi-targeting fluorescent probe for labile Fe(ii) to reveal an abnormal cellular iron distribution induced by dysfunction of VPS35. **2019**, 10, 1514-1521	32
361	Fluorogenic probes for super-resolution microscopy. **2019**, 17, 215-233	62
360	Mega-stokes pyrene ceramide conjugates for STED imaging of lipid droplets in live cells. **2019**, 144, 1608-1621	19
359	Platinum(IV)-Ferrocene Conjugates and Their Cyclodextrin Host-Guest Complexes. **2019**, 58, 7886-7894	7
358	Proximity Labeling. **2019**,	0
357	Chasing Uptake: Super-Resolution Microscopy in Endocytosis and Phagocytosis. **2019**, 29, 727-739	10
356	Accurate Background Subtraction in STED Nanoscopy by Polarization Switching. **2019**, 6, 1789-1797	6
355	Synthesis and application of near-infrared substituted rhodamines. **2019**, 30, 1682-1688	27

354	Self-Labeling Enzyme Tags for Analyses of Translocation of Type III Secretion System Effector Proteins. **2019**, 10,	10
353	Affinity Conjugation for Rapid and Covalent Labeling of Proteins in Live Cells. **2019**, 2008, 191-202	
352	Single-Molecule Nanoscopy Elucidates RNA Polymerase II Transcription at Single Genes in Live Cells. **2019**, 178, 491-506.e28	60
351	Development of an effective protein-labeling system based on smart fluorogenic probes. **2019**, 24, 443-455	1
350	Fight against background noise in stimulated emission depletion nanoscopy. **2019**, 16, 051002	10
349	Fluorescence in Industry. **2019**,	2
348	Green-Emitting Rhodamine Dyes for Vital Labeling of Cell Organelles Using STED Super-Resolution Microscopy. **2019**, 20, 2248-2254	13
347	Fluorescent Probes for Nanoscopic Imaging of Mitochondria. **2019**, 5, 1697-1726	51
346	SiRA: A Silicon Rhodamine-Binding Aptamer for Live-Cell Super-Resolution RNA Imaging. **2019**, 141, 7562-7571	52
345	Membrane-Permeant, Environment-Sensitive Dyes Generate Biosensors within Living Cells. **2019**, 141, 7275-7282	16
344	Immobilizable fluorescent probes for monitoring the mitochondria microenvironment: a next step from the classic. **2019**, 7, 2749-2758	44
343	Labeling Strategies Matter for Super-Resolution Microscopy: A Comparison between HaloTags and SNAP-tags. **2019**, 26, 584-592.e6	56
342	A Spotlight on Viruses-Application of Click Chemistry to Visualize Virus-Cell Interactions. **2019**, 24,	19
341	Deuterium isotope effect in fluorescence of gaseous oxazine dyes. **2019**, 21, 5759-5770	16
340	Review of fluorescent steroidal ligands for the estrogen receptor 1995-2018. **2019**, 144, 30-46	6
339	Fluorescence in Pharmaceutics and Cosmetics. **2019**, 39-102	2
338	A new approach to silicon rhodamines by Suzuki-Miyaura coupling - scope and limitations. **2019**, 15, 2569-2576	4
337	Labeling surface proteins with high specificity: Intrinsic limitations of phosphopantetheinyl transferase systems. **2019**, 14, e0226579	2

336	Accurate measurement of fast endocytic recycling kinetics in real time. **2020**, 133,	12
335	Next-Generation Fluorogen-Based Reporters and Biosensors for Advanced Bioimaging. **2019**, 20,	23
334	Observing and tracking single small ribosomal subunits in vivo. **2019**, 153, 63-70	4
333	Development of Acrylamide-Based Rapid and Multicolor Fluorogenic Probes for High Signal-to-Noise Live Cell Imaging. **2019**, 30, 184-191	2
332	Triarylmethane Fluorophores Resistant to Oxidative Photobluing. **2019**, 141, 981-989	55
331	Choosing the right label for single-molecule tracking in live bacteria: side-by-side comparison of photoactivatable fluorescent protein and Halo tag dyes. **2019**, 52, 064002	28
330	Super-resolution microscopy demystified. **2019**, 21, 72-84	409
329	HOPS-dependent endosomal fusion required for efficient cytosolic delivery of therapeutic peptides and small proteins. **2019**, 116, 512-521	20
328	A New Infrared Probe Targeting Mitochondria via Regulation of Molecular Hydrophobicity. **2019**, 30, 210-217	4
327	Dynamic nanoscale morphology of the ER surveyed by STED microscopy. **2019**, 218, 83-96	62
326	A Self-Assembled ATP Probe for Melanoma Cell Imaging. **2019**, 25, 3501-3504	13
325	A Fluorogenic AggTag Method Based on Halo- and SNAP-Tags to Simultaneously Detect Aggregation of Two Proteins in Live Cells. **2019**, 20, 1078-1087	24
324	Heteroatom-substituted rhodamine dyes: Structure and spectroscopic properties. **2019**, 30, 1667-1681	43
323	A targetable fluorescent probe for dSTORM super-resolution imaging of live cell nucleus DNA. **2019**, 55, 1951-1954	17
322	Single-Molecule Kinetics in Living Cells. **2019**, 88, 635-659	58
321	Fluorescent heterocycles: Recent trends and new developments. **2019**, 128, 103-179	17
320	Small-Molecule Fluorescent Probes for Live-Cell Super-Resolution Microscopy. **2019**, 141, 2770-2781	215
319	Organic fluorescent probes for stochastic optical reconstruction microscopy (STORM): Recent highlights and future possibilities. **2019**, 380, 17-34	21

318	A SNAP-tag fluorogenic probe mimicking the chromophore of the red fluorescent protein Kaede. **2019**, 17, 1906-1915		12
317	Fluorescence anisotropy imaging in drug discovery. **2019**, 151-152, 262-288		29
316	Far-red to near-infrared fluorescent probes based on silicon-substituted xanthene dyes for sensing and imaging. **2020**, 122, 115704		12
315	Strategies to maximize performance in STimulated Emission Depletion (STED) nanoscopy of biological specimens. **2020**, 174, 27-41		15
314	Live-Cell Localization Microscopy with a Fluorogenic and Self-Blinking Tetrazine Probe. **2020**, 59, 804-810		42
313	Live-Cell Localization Microscopy with a Fluorogenic and Self-Blinking Tetrazine Probe. **2020**, 132, 814-820		6
312	Discovery of Small-Molecule Modulators of Protein-RNA Interactions by Fluorescence Intensity-Based Binding Assay. **2020**, 21, 818-824		8
311	Genetically Encoded Activators of Small Molecules for Imaging and Drug Delivery. **2020**, 132, 7741-7749		0
310	Genetically Encoded Activators of Small Molecules for Imaging and Drug Delivery. **2020**, 59, 7669-7677		2
309	A general strategy to develop cell permeable and fluorogenic probes for multicolour nanoscopy. *Nature Chemistry*, **2020**, 12, 165-172	17.6	115
308	Chemiluminescence resonance energy transfer: From mechanisms to analytical applications. **2020**, 123, 115755		17
307	Synthesis of Carboxy ATTO 647N Using Redox Cycling for Xanthone Access. **2020**, 22, 381-385		2
306	Imaging of Tie2 with a Fluorescently Labeled Small Molecule Affinity Ligand. **2020**, 15, 151-157		4
305	Bioothogonally applicable, extended rhodamines for super-resolution microscopy imaging for intracellular proteins. **2020**, 28, 115218		4
304	Quantitative Data Analysis in Single-Molecule Localization Microscopy. **2020**, 30, 837-851		20
303	Far-red imaging of galactosidase through a phospha-fluorescein. **2020**, 56, 13579-13582		2
302	A cytosolically localized far-red to near-infrared rhodamine-based fluorescent probe for calcium ions. **2020**, 145, 7736-7740		7
301	Single-molecule visualization of DNA G-quadruplex formation in live cells. *Nature Chemistry*, **2020**, 12, 832-837	17.6	112

300	A Far-Red Emitting Fluorescent Chemogenetic Reporter for In Vivo Molecular Imaging. **2020**, 132, 18073-18079	3
299	Fluorogenic Protein Probes with Red and Near-Infrared Emission for Genetically Targeted Imaging*. **2020**, 26, 14467-14473	0
298	Interrogating surface intracellular transmembrane receptor populations using cell-impermeable SNAP-tag substrates. **2020**, 11, 7871-7883	19
297	Everlasting rhodamine dyes and true deciding factors in their STED microscopy performance. **2020**, 19, 1677-1689	0
296	Development of a Red-Light-Controllable Nitric Oxide Releaser to Control Smooth Muscle Relaxation. **2020**, 15, 2958-2965	10
295	Substitution of oxygen with silicon: A big step forward for fluorescent dyes in life science. **2020**, 423, 213513	19
294	Multiple Factors Regulate the Spirocyclization Equilibrium of Si-Rhodamines. **2020**, 124, 7467-7474	4
293	A wash-free lysosome targeting carbon dots for ultrafast imaging and monitoring cell apoptosis status. **2020**, 1106, 207-215	18
292	Rational Design of Bioavailable Photosensitizers for Manipulation and Imaging of Biological Systems. **2020**, 27, 1063-1072.e7	7
291	Molecular Fluorophores for Deep-Tissue Bioimaging. **2020**, 6, 1302-1316	56
290	A Deep-Red to Near Infrared (NIR) Fluorescent Probe Based on a Sulfur-Modified Rhodamine Derivative with Two Spirolactone Rings. **2020**, 85, 1639-1645	3
289	Environmentally Sensitive Color-Shifting Fluorophores for Bioimaging. **2020**, 59, 21880-21884	24
288	A general method to optimize and functionalize red-shifted rhodamine dyes. **2020**, 17, 815-821	58
287	Flapping Peryleneimide as a Fluorescent Viscosity Probe: Comparison with BODIPY and DCVJ Molecular Rotors. **2020**, 93, 1102-1106	7
286	Crosstalk between invadopodia and the extracellular matrix. **2020**, 99, 151122	7
285	Development of small molecule inhibitor-based fluorescent probes for highly specific super-resolution imaging. **2020**, 12, 21591-21598	6
284	Environmentally Sensitive Color-Shifting Fluorophores for Bioimaging. **2020**, 132, 22064-22068	11
283	A Near-Infrared Fluorogenic Pyrrole-Imidazole Polyamide Probe for Live-Cell Imaging of Telomeres. **2020**, 142, 17356-17363	11

282	Improving Brightness and Stability of Si-Rhodamine for Super-Resolution Imaging of Mitochondria in Living Cells. **2020**, 92, 12137-12144	4
281	Two-color nanoscopy of organelles for extended times with HIDE probes. **2020**, 11, 4271	11
280	Deep Red Blinking Fluorophore for Nanoscopic Imaging and Inhibition of Amyloid Peptide Fibrillation. **2020**, 14, 11341-11351	7
279	Multiple-Labeled Antibodies Behave Like Single Emitters in Photoswitching Buffer. **2020**, 14, 12629-12641	9
278	Activity-Based Sensing with a Metal-Directed Acyl Imidazole Strategy Reveals Cell Type-Dependent Pools of Labile Brain Copper. **2020**, 142, 14993-15003	19
277	Recent Progress in Small Spirocyclic, Xanthene-Based Fluorescent Probes. **2020**, 25,	6
276	A dual-labeling probe to track functional mitochondria-lysosome interactions in live cells. **2020**, 11, 6290	35
275	DNA-Origami-Based Fluorescence Brightness Standards for Convenient and Fast Protein Counting in Live Cells. **2020**, 20, 8890-8896	2
274	Rhenium and technetium-complexed silicon rhodamines as near-infrared imaging probes for bimodal SPECT- and optical imaging. **2020**, 49, 7294-7298	5
273	Development of BINOL-Si complexes with large stokes shifts and their application as chemodosimeters for nerve agent. **2020**, 31, 2960-2964	12
272	Systematic study of synthesizing various heteroatom-substituted rhodamines from diaryl ether analogues. **2020**, 240, 118466	4
271	A Far-Red Emitting Fluorescent Chemogenetic Reporter for In Vivo Molecular Imaging. **2020**, 59, 17917-17923	14
270	Genetically encoded biosensors based on innovative scaffolds. **2020**, 125, 105761	4
269	Illuminating Cellular Biochemistry: Fluorogenic Chemogenetic Biosensors for Biological Imaging. **2020**, 85, 1487-1497	6
268	Enhancing the biocompatibility of rhodamine fluorescent probes by a neighbouring group effect. **2020**, 11, 7313-7323	14
267	Flapping Peryleneimide as a Fluorogenic Dye with High Photostability and Strong Visible-Light Absorption. **2020**, 132, 16572-16577	1
266	Engineering Glowing Chemogenetic Hybrids for Spying on Cells. **2020**, 2020, 5637-5646	4
265	Single-Molecule Imaging of Protein Interactions and Dynamics. **2020**, 13, 337-361	8

264	Flapping Peryleneimide as a Fluorogenic Dye with High Photostability and Strong Visible-Light Absorption. **2020**, 59, 16430-16435	12
263	Visualizing and Manipulating Biological Processes by Using HaloTag and SNAP-Tag Technologies. **2020**, 21, 1935-1946	22
262	Live-Cell Imaging at the Nanoscale with Bioconjugatable and Photoactivatable Fluorophores. **2020**, 31, 1052-1062	8
261	Imaging GPCR internalization using near-infrared Nebraska red-based reagents. **2020**, 18, 2459-2467	3
260	Rapid no-wash labeling of PYP-tag proteins with reactive fluorogenic ligands affords stable fluorescent protein conjugates for long-term cell imaging studies. **2020**, 11, 3694-3701	6
259	SNAP/CLIP-Tags and Strain-Promoted Azide-Alkyne Cycloaddition (SPAAC)/Inverse Electron Demand Diels-Alder (IEDDA) for Intracellular Orthogonal/Bioorthogonal Labeling. **2020**, 31, 1370-1381	13
258	Illuminating RNA Biology: Tools for Imaging RNA in Live Mammalian Cells. **2020**, 27, 891-903	24
257	Light Microscopy of Mitochondria at the Nanoscale. **2020**, 49, 289-308	21
256	Recent advances in the use of genetically encodable optical tools to elicit and monitor signaling events. **2020**, 63, 114-124	11
255	Chemogenetic Control of Nanobodies. **2020**, 17, 279-282	27
254	Cristae undergo continuous cycles of membrane remodelling in a MICOS-dependent manner. **2020**, 21, e49776	45
253	Fluorogen activating protein toolset for protein trafficking measurements. **2020**, 21, 333-348	7
252	A Trojan Horse for live-cell super-resolution microscopy. **2020**, 9, 2	1
251	Asymmetric Si-rhodamine scaffolds: rational design of pH-durable protease-activated NIR probes in vivo. **2020**, 56, 2455-2458	7
250	A straightforward approach for bioorthogonal labeling of proteins and organelles in live mammalian cells, using a short peptide tag. **2020**, 18, 5	10
249	A Unified Push–Pull Model for Understanding the Ring-Opening Mechanism of Rhodamine Dyes. **2020**, 124, 3793-3801	21
248	A Fluorescent Probe for Rapid, High-Contrast Visualization of Folate-Receptor-Expressing Tumors In Vivo. **2020**, 132, 6071-6076	0
247	A Fluorescent Probe for Rapid, High-Contrast Visualization of Folate-Receptor-Expressing Tumors In Vivo. **2020**, 59, 6015-6020	19

246	Super-Resolution Imaging of Tight and Adherens Junctions: Challenges and Open Questions. **2020**, 21,	4
245	Activatable Fluorescence Probes for "Turn-On" and Ratiometric Biosensing and Bioimaging: From NIR-I to NIR-II. **2020**, 31, 276-292	75
244	Silicon incorporation in polymethine dyes. **2020**, 56, 6110-6113	7
243	Single Molecule Microscopy in Neurobiology. **2020**,	0
242	Photoactivatable fluorophores for single-molecule localization microscopy of live cells. **2020**, 8, 032002	7
241	Efflux pump insensitive rhodamine-jasplakinolide conjugates for G- and F-actin imaging in living cells. **2020**, 18, 2929-2937	10
240	Using unnatural amino acids to selectively label proteins for cellular imaging: a cell biologist viewpoint. **2021**, 288, 1107-1117	12
239	RNA imaging in bacteria. **2021**, 45,	0
238	The Collective Power of Genetically Encoded Protein/Peptide Tags and Bioorthogonal Chemistry in Biological Fluorescence Imaging. **2021**, 5, 187-216	2
237	A Study on Hypoxia Susceptibility of Organ Tissues by Fluorescence Imaging with a Ratiometric Nitroreductase Probe. **2021**, 6, 148-155	12
236	Cyclo-Ketal Xanthene Dyes: A New Class of Near-Infrared Fluorophores for Super-Resolution Imaging of Live Cells. **2021**, 27, 3688-3693	5
235	Silafluorene as a promising core for cell-permeant, highly bright and two-photon excitable fluorescent probes for live-cell imaging. **2021**, 187, 109083	4
234	Near-infrared fluorescent probes: a next-generation tool for protein-labeling applications. **2020**, 12, 3437-3447	20
233	Photoactivatable Fluorophore for Stimulated Emission Depletion (STED) Microscopy and Bioconjugation Technique for Hydrophobic Labels. **2021**, 27, 451-458	10
232	Disulfide-Reduction-Triggered Spontaneous Photoblinking Cy5 Probe for Nanoscopic Imaging of Mitochondrial Dynamics in Live Cells. **2021**, 93, 2596-2602	1
231	Conjugated organosilanes at the nexus of single-molecule electronics and imaging. **2021**, 9, 11605-11618	1
230	The emergence of the C-H functionalization strategy in medicinal chemistry and drug discovery. **2021**, 57, 10842-10866	7
229	Silicon-rhodamine isothiocyanate for fluorescent labelling. **2021**, 19, 574-578	1

228	Mitochondrial NAD Controls Nuclear ARTD1-Induced ADP-Ribosylation. **2021**, 81, 340-354.e5		13
227	Role of Actin Cytoskeleton Reorganization in Polarized Secretory Traffic at the Immunological Synapse. **2021**, 9, 629097		9
226	Modular Synthetic Approach to Silicon-Rhodamine Homologues and Analogues via Bis-aryllanthanum Reagents. **2021**, 23, 2604-2609		2
225	Sulfonated rhodamines as impermeable labelling substrates for cell surface protein visualization.		1
224	Applications of smartphone-based near-infrared (NIR) imaging, measurement, and spectroscopy technologies to point-of-care (POC) diagnostics. **2021**, 22, 171-189		3
223	Fluorescent tagging of Plasmodium circumsporozoite protein allows imaging of sporozoite formation but blocks egress from oocysts. **2021**, 23, e13321		1
222	Luciferase Controlled Protein Interactions. **2021**, 143, 3665-3670		2
221	Chemical Biology Tools To Investigate Malaria Parasites. **2021**, 22, 2219-2236		1
220	Boron-substituted rhodamine for ratiometric monitoring dynamic of H2O2 and HOCl in vivo. **2021**, 331, 129411		4
219	Nanoscale organization of Actin Filaments in the Red Blood Cell Membrane Skeleton.		2
218	3D super-resolution deep-tissue imaging in living mice. **2021**, 8, 442-450		12
217	Advanced imaging and labelling methods to decipher brain cell organization and function. **2021**, 22, 237-255		28
216	Rhodamines with a Chloronicotinic Acid Fragment for Live Cell Superresolution STED Microscopy*. **2021**, 27, 6070-6076		4
215	Overview of Syntheses and Molecular-Design Strategies for Tetrazine-Based Fluorogenic Probes. **2021**, 26,		7
214	Sequential in vivo labeling of insulin secretory granule pools in INS-SNAP transgenic pigs.		1
213	A far-red hybrid voltage indicator enabled by bioorthogonal engineering of rhodopsin on live neurons. *Nature Chemistry*, **2021**, 13, 472-479	17.6	10
212	Engineering paralog-specific PSD-95 synthetic binders as potent and minimally invasive imaging probes.		3
211	Kinetic and structural characterization of the self-labeling protein tags HaloTag7, SNAP-tag and CLIP-tag.		0

210	A General Method to Improve Fluorophores Using Deuterated Auxochromes. **2021**, 1, 690-696	17
209	Systematic Tuning of Rhodamine Spirocyclization for Super-Resolution Microscopy.	0
208	STED Imaging the Dynamics of Lysosomes by Dually Fluorogenic Si-Rhodamine. **2021**, 27, 9620-9626	2
207	Developing Bright Green Fluorescent Protein (GFP)-like Fluorogens for Live-Cell Imaging with Nonpolar Protein-Chromophore Interactions. **2021**, 27, 8946-8950	6
206	Defining the Basis of Cyanine Phototruncation Enables a New Approach to Single-Molecule Localization Microscopy. **2021**, 7, 1144-1155	10
205	Rational Design of Crystallization-Induced-Emission Probes To Detect Amorphous Protein Aggregation in Live Cells. **2021**, 60, 16067-16076	11
204	Coherent confocal light scattering spectroscopic microscopy evaluates cancer progression and aggressiveness in live cells and tissue. **2021**, 8, 2050-2059	0
203	Rational Design of Crystallization-Induced-Emission Probes To Detect Amorphous Protein Aggregation in Live Cells. **2021**, 133, 16203-16212	0
202	Bromination-induced spirocyclization of rhodamine dyes affording a FRET-based ratiometric fluorescent probe for visualization of hypobromous acid (HOBr) in live cells and zebrafish. **2021**, 337, 129790	5
201	Altering transcription factor binding reveals comprehensive transcriptional kinetics of a basic gene. **2021**, 49, 6249-6266	8
200	Live and Let Dye. **2021**, 60, 3539-3546	2
199	Live Fluorescence Imaging of F-Actin Organization in Chick Whole Embryo Cultures Using SiR-Actin. **2021**, 10,	
198	To View Your Biomolecule, Click inside the Cell. **2021**, 133, 23268	1
197	Silinanyl Rhodamines and Silinanyl Fluoresceins for Super-Resolution Microscopy. **2021**, 125, 8703-8711	0
196	To View Your Biomolecule, Click inside the Cell. **2021**, 60, 23084-23105	8
195	Silicon-substituted rhodamines for stimulated emission depletion fluorescence nanoscopy. **2021**, 33, 133-133	1
194	See You at the Molecular Scale. **2021**, 29, 34-41	
193	A Color-Shifting Near-Infrared Fluorescent Aptamer–Fluorophore Module for Live-Cell RNA Imaging. **2021**, 133, 21611-21618	0

192	Kinetic and Structural Characterization of the Self-Labeling Protein Tags HaloTag7, SNAP-tag, and CLIP-tag. **2021**, 60, 2560-2575	18
191	A Color-Shifting Near-Infrared Fluorescent Aptamer-Fluorophore Module for Live-Cell RNA Imaging. **2021**, 60, 21441-21448	6
190	isoSTED microscopy with water-immersion lenses and background reduction. **2021**, 120, 3303-3314	2
189	Bio-orthogonal Red and Far-Red Fluorogenic Probes for Wash-Free Live-Cell and Super-resolution Microscopy. **2021**, 7, 1561-1571	11
188	Systematic Tuning of Rhodamine Spirocyclization for Super-resolution Microscopy. **2021**, 143, 14592-14600	16
187	Single-molecule tracking technologies for quantifying the dynamics of gene regulation in cells, tissue and embryos. **2021**, 148,	4
186	Dual film-like organelles enable spatial separation of orthogonal eukaryotic translation. **2021**, 184, 4886-4903.e21	7
185	Conjugated Polymers: Optical Toolbox for Bioimaging and Cancer Therapy. **2021**, 17, e2103127	11
184	Nanotube-like processes facilitate material transfer between photoreceptors. **2021**, 22, e53732	11
183	A Solvatochromic Fluorescent Probe Reveals Polarity Heterogeneity upon Protein Aggregation in Cells. **2021**, 60, 25865-25871	7
182	Sequential in vivo labeling of insulin secretory granule pools in - transgenic pigs. **2021**, 118,	4
181	Quantitative evaluation of the dynamic activity of HeLa cells in different viability states using dynamic full-field optical coherence microscopy. **2021**, 12, 6431-6441	0
180	Direct capsid labeling of infectious HIV-1 by genetic code expansion allows detection of largely complete nuclear capsids and suggests nuclear entry of HIV-1 complexes via common routes.	1
179	A Solvatochromic Fluorescent Probe Reveals Polarity Heterogeneity upon Protein Aggregation in Cells..	1
178	In-vivo Single-Molecule Imaging in Yeast: Applications and Challenges. **2021**, 433, 167250	0
177	Asymmetric bismuth-rhodamines as an activatable fluorogenic photosensitizer. **2021**, 19, 3611-3619	2
176	Minimal genetically encoded tags for fluorescent protein labeling in living neurons.	2
175	A NIR fluorescent probe for fatty acid amide hydrolase bioimaging and its application in development of inhibitors. **2021**, 9, 6460-6465	4

174	Superresolution Microscopy. 1-9	2
173	SNAP-tag to monitor trafficking of membrane proteins in polarized epithelial cells. **2014**, 1174, 171-82	4
172	Considerations and protocols for the synthesis of custom protein labeling probes. **2015**, 1266, 55-79	5
171	Fluorescent labeling of SNAP-tagged proteins in cells. **2015**, 1266, 107-18	14
170	Complex Diffusion in Bacteria. **2020**, 1267, 15-43	2
169	Towards Evolutionary Super-Resolution. **2018**, 480-496	3
168	A general method to fine-tune fluorophores for live-cell and in vivo imaging. **2017**, 14, 987-994	289
167	Super-resolution microscopy compatible fluorescent probes reveal endogenous glucagon-like peptide-1 receptor distribution and dynamics. **2020**, 11, 467	41
166	Super-resolution optical microscopy of lipid plasma membrane dynamics. **2015**, 57, 69-80	34
165	Radial contractility of actomyosin rings facilitates axonal trafficking and structural stability. **2020**, 219,	18
164	Appreciating the small things in life: STED microscopy in living cells. **2021**, 54, 033001	7
163	Optimization and functionalization of red-shifted rhodamine dyes.	2
162	Myosin VI moves on nuclear actin filaments and supports long-range chromatin rearrangements.	8
161	Bioorthogonal red and far-red fluorogenic probes for wash-free live-cell and super-resolution microscopy.	5
160	Deuteration improves small-molecule fluorophores.	2
159	Deuterated rhodamines for protein labelling in nanoscopy.	2
158	Transcription factor residence time dominates over concentration in transcription activation.	2
157	Radial contractility of Actomyosin-II rings facilitates cargo trafficking and maintains axonal structural stability following cargo-induced transient axonal expansion.	4

156	Cristae undergo continuous cycles of fusion and fission in a MICOS-dependent manner.	2
155	Chemogenetic Control of Nanobodies.	3
154	Dynamic regulation of chromatin accessibility by pluripotency transcription factors across the cell cycle.	0
153	A straightforward approach for bioorthogonal labeling of proteins and organelles in live mammalian cells, using a short peptide tag.	1
152	Deep learning for fast super-resolution reconstruction from multiple images. **2019**,	5
151	Structured illumination microscopy. **2014**, 36-73	1
150	Tomographic STED microscopy. **2020**, 11, 3139-3163	6
149	Simultaneous super-linear excitation-emission and emission depletion allows imaging of upconversion nanoparticles with higher sub-diffraction resolution. **2020**, 28, 24308-24326	8
148	Sub-second, super-resolved imaging of biological systems using parallel EO-STED. **2020**, 45, 2712-2715	5
147	Effect of receptor dimerization on membrane lipid raft structure continuously quantified on single cells by camera based fluorescence correlation spectroscopy. **2015**, 10, e0121777	28
146	Primary Cilia, Ciliogenesis and the Actin Cytoskeleton: A Little Less Resorption, A Little More Actin Please. **2020**, 8, 622822	11
145	Development of Silicon-substituted Xanthene Dyes and Their Application to Fluorescent Probes. **2016**, 74, 512-520	3
144	Dynamic regulation of chromatin accessibility by pluripotency transcription factors across the cell cycle. **2019**, 8,	27
143	Real-time in vivo imaging of extracellular ATP in the brain with a hybrid-type fluorescent sensor. **2020**, 9,	20
142	Computational Modeling of Chromatin Fiber to Characterize Its Organization Using Angle-Resolved Scattering of Circularly Polarized Light. **2021**, 13,	1
141	Transcription Factor RBPJL Is Able to Repress Notch Target Gene Expression but Is Non-Responsive to Notch Activation. **2021**, 13,	1
140	Imaging organelle membranes in live cells at the nanoscale with lipid-based fluorescent probes. **2021**, 65, 154-162	3
139	New single-molecule imaging of the eisosome BAR domain protein Pil1p reveals filament-like dynamics.	

138	A general method to fine-tune fluorophores for live-cell and in vivo imaging.	1
137	Towards Robust Evaluation of Super-Resolution Satellite Image Reconstruction. **2018**, 476-486	2
136	Introduction. **2018**, 1-20	1
135	A conformational sensor based on genetic code expansion reveals an autocatalytic component in EGFR activation.	
134	HOPS-dependent endosomal fusion required for efficient cytosolic delivery of therapeutic peptides and small proteins.	1
133	LUXendins reveal endogenous glucagon-like peptide-1 receptor distribution and dynamics.	
132	Live-cell STED microscopy of mitochondrial cristae.	1
131	Two-color nanoscopy of organelles for extended times with HIDE probes.	1
130	Photoactivation of silicon rhodamines via a light-induced protonation.	
129	A general strategy to develop cell permeable and fluorogenic probes for multi-colour nanoscopy.	0
128	3D super-resolution deep-tissue imaging in living mice.	
127	Confocal and Super-resolution Imaging of RNA in Live Bacteria Using a Fluorogenic Silicon Rhodamine-binding Aptamer. **2020**, 10, e3603	0
126	A far-red fluorescent chemogenetic reporter for in vivo molecular imaging.	
125	Multiple-labeled antibodies behave like single emitters in photoswitching buffer.	
124	Interrogating surface versus intracellular transmembrane receptor populations using cell-impermeable SNAP-tag substrates.	0
123	Single-Molecule Localization Microscopy Propelled by Small Organic Fluorophores with Blinking Properties. **2020**, 203-227	1
122	Crosstalk between invadopodia and the extracellular matrix.	
121	Overcoming efflux of fluorescent probes for actin imaging in living cells.	

120	Enhancing biocompatibility of rhodamine fluorescent probes by a neighbouring group effect.	
119	Fluorescent tagging ofPlasmodiumcircumsporozoite protein allows imaging of sporozoite formation but blocks egress from oocysts.	0
118	Fate of the M-phase-assembled centrioles during the cell cycle in the TP53;PCNT;CEP215-deleted cells.	
117	DNA-Origami-Based Fluorescence Brightness Standards for Convenient and Fast Protein Counting in Live Cells.	0
116	The OCT2 Transporter Regulates Dopamine D1 Receptor Signaling at the Golgi Apparatus.	1
115	Tools of the trade: studying actin in zebrafish. **2020**, 154, 481-493	0
114	Synthesis and photophysical properties of 2-aryl-5-carbonyl indolizines. **2022**, 198, 109996	0
113	Light Sheet Illumination for 3D Single-Molecule Super-Resolution Imaging of Neuronal Synapses.. **2021**, 13, 761530	1
112	Radiolabeled Silicon-Rhodamines as Bimodal PET/SPECT-NIR Imaging Agents. **2021**, 14,	2
111	Fluorescent and bioluminescent calcium indicators with tuneable colors and affinities.	
110	Discovery of an F-actin-binding small molecule serving as a fluorescent probe and a scaffold for functional probes. **2021**, 7, eabg8585	1
109	A general design of caging-group free photoactivatable fluorophores for live-cell nanoscopy.	
108	Multivalent peptide ligands to probe the chromocenter microenvironment in living cells.	
107	A Dinuclear Osmium(II) Complex Near-Infrared Nanoscopy Probe for Nuclear DNA. **2021**, 143, 20442-20453	3
106	Fluorescence nanoscopy at the sub-10□hm scale.. **2021**, 13, 1101-1112	2
105	Si-Rhodamine Derivatives for Brain Fluorescence Imaging and Monitoring of HS in the Brain of Schizophrenic Mice before and after Treatment.. **2022**,	2
104	Visualizing the complexity of proteins in living cells with genetic code expansion.. **2022**, 66, 102108	1
103	Nanoscale Dynamics of Actin Filaments in the Red Blood Cell Membrane Skeleton.. **2022**, mbcE21030107	1

102	An "OFF-ON-OFF" fluorescence protein-labeling probe for real-time visualization of the degradation of short-lived proteins in cellular systems.. **2022**, 13, 1419-1427	0
101	Transcription-replication coordination revealed in single live cells.. **2022**,	1
100	Bleaching-Resistant Super-Resolution Fluorescence Microscopy.. **2022**, e2101817	1
99	Catalytic Activation of Bioorthogonal Chemistry with Light (CABL) Enables Rapid, Spatiotemporally Controlled Labeling and No-Wash, Subcellular 3D-Patterning in Live Cells Using Long Wavelength Light.. **2022**,	7
98	Minimal genetically encoded tags for fluorescent protein labeling in living neurons.. **2022**, 13, 314	5
97	Optogenetic control of RNA function and metabolism using engineered light-switchable RNA-binding proteins.. **2022**,	5
96	A Brain Atlas of Synapse Protein Lifetime Across the Mouse Lifespan.	
95	Fourier Deconvolution Ion Mobility Spectrometry.. **2022**, 241, 123270	1
94	Linker Molecules Convert Commercial Fluorophores into Tailored Functional Probes during Bio-labeling.	
93	Control of Synapse Structure and Function by Actin and Its Regulators.. **2022**, 11,	2
92	Linker Molecules Convert Commercial Fluorophores into Tailored Functional Probes during Bio-labeling.. **2022**,	0
91	Hydrogen Bond-Enhanced Nanoaggregation and Antisolvatochromic Fluorescence for Protein-Recognition by Si-Coumarins.. **2022**,	1
90	Sulfonated red and far-red rhodamines to visualize SNAP- and Halo-tagged cell surface proteins.. **2022**,	3
89	Direct analysis of the actin-filament formation effect in photodynamic therapy.. **2022**, 12, 5878-5889	0
88	Detection of Cannabinoid Receptor Type 2 in Native Cells and Zebrafish with a Highly Potent, Cell-Permeable Fluorescent Probe.	1
87	Sample Preparation for Multicolor STED Microscopy.. **2022**, 2440, 253-270	
86	Membrane-Permeant, Bioactivatable Coumarin Derivatives for In-Cell Labelling.. **2022**, e202100699	0
85	Present Application and Perspectives of Organoid Imaging Technology.. **2022**, 9,	1

84	Construction of a novel mitochondria-targeted near-infrared (NIR) probe for detection of viscosity changes in cancer cells ferroptosis process. **2022**, 200, 110184	1
83	Fluorescent and Bioluminescent Calcium Indicators with Tuneable Colors and Affinities.. **2022**,	2
82	A Locally Activatable Sensor for Robust Quantification of Organellar Glutathione.	
81	A brain atlas of synapse protein lifetime across the mouse lifespan.	0
80	Color-Tunable Indolizine-Based Fluorophores and Fluorescent pH Sensor.. **2021**, 27,	1
79	Caveat fluorophore: an insiders' guide to small-molecule fluorescent labels.. **2021**,	5
78	Covalent labeling of immune cells.. **2022**, 68, 102144	0
77	Table_1.DOCX. **2020**,	
76	Multivalent Peptide Ligands To Probe the Chromocenter Microenvironment in Living Cells.. **2022**,	0
75	The organic cation Transporter 2 regulates dopamine D1 receptor signaling at the Golgi apparatus.. **2022**, 11,	1
74	Silicon functionalization expands the repertoire of Si-rhodamine fluorescent probes.	1
73	Pacific Blue-Taxoids as Fluorescent Molecular Probes of Microtubules.. **2022**, 2430, 449-466	0
72	Cytoskeleton in abiotic stress signaling. **2022**, 347-371	0
71	A synergistic strategy to develop photostable and bright dyes with long Stokes shift for nanoscopy.. **2022**, 13, 2264	9
70	Overcoming differential tumor penetration of BRAF inhibitors using computationally guided combination therapy.. **2022**, 8, eabl6339	2
69	A Toolbox of Fluorescent Peptide Biosensors to Highlight Protein Kinases in Complex Samples : focus on cyclin-dependent kinases.	
68	Mechanism-Based Strategy for Optimizing HaloTag Protein Labeling.	
67	Multi-color live-cell STED nanoscopy of mitochondria with a gentle inner membrane stain.	0

66	Lanthanide-doped upconversion nanoparticles for biological super-resolution fluorescence imaging. **2022**, 100922		2
65	A general, highly efficient and facile synthesis of biocompatible rhodamine dyes and probes for live-cell multicolor nanoscopy.		0
64	Exchangeable HaloTag Ligands (xHTLs) for multi-modal super-resolution fluorescence microscopy.		0
63	A general approach to S-rhodamines from diaryl thioethers and their application in constructing pH probes.		0
62	N-Cyanorhodamines: cell-permeant, photostable and bathochromically shifted analogues of fluoresceins.		1
61	Third-Generation Covalent TMP-Tag for Fast Labeling and Multiplexed Imaging of Cellular Proteins.		
60	Third-Generation Covalent TMP-Tag for Fast Labeling and Multiplexed Imaging of Cellular Proteins.		1
59	A general design of caging-group-free photoactivatable fluorophores for live-cell nanoscopy. *Nature Chemistry*,	17.6	4
58	Near-Infrared and Dual Emissions of Diphenylamino Group-Substituted Malachite Green Derivatives.		
57	Modulation of dynamic aggregation in fluorogenic SNAP-tag probes for long-term super-resolution imaging.		0
56	Direct Capsid Labeling of Infectious HIV-1 by Genetic Code Expansion Allows Detection of Largely Complete Nuclear Capsids and Suggests Nuclear Entry of HIV-1 Complexes via Common Routes.		0
55	Labelling Proteins and Biomolecules with Small Fluorescent Sensors. **2022**, 201-239		
54	Rational design for high bioorthogonal fluorogenicity of tetrazine-encoded green fluorescent proteins.		2
53	A multicomponent reaction platform towards multimodal near-infrared BODIPY dyes for STED and fluorescence lifetime imaging. **2022**, 3, 1251-1259		2
52	Spontaneously blinking fluorophores for accelerated MINFLUX nanoscopy.		0
51	Photochemical Mechanisms of Fluorophores Employed in Single-Molecule Localization Microscopy.		3
50	Two-color live-cell STED nanoscopy by click labeling with cell-permeable fluorophores.		0
49	Fluorescence Imaging in Second Near-infrared Window: Developments, Challenges, and Opportunities. 2200087		0

48	Automated STED nanoscopy for high-throughput imaging of cellular structures.	0
47	Photochemical Mechanisms of Fluorophores Employed in Single-Molecule Localization Microscopy.	0
46	A brain atlas of synapse protein lifetime across the mouse lifespan. **2022**,	2
45	Fluorescence-Activating and Absorption-Shifting Tags for Advanced Imaging and Biosensing. **2022**, 55, 3125-3135	0
44	Probing coenzyme A homeostasis with semisynthetic biosensors.	1
43	Cell-Level Analysis Visualizing Photodynamic Therapy with Porphylipoprotein and Talaporphyrin Sodium. **2022**, 23, 13140	1
42	Oxidation state-specific fluorescent copper sensors reveal oncogene-driven redox changes that regulate labile copper(II) pools. **2022**, 119,	1
41	Synthetic Organelles for Multiple mRNA Selective Genetic Code Expansions in Eukaryotes. **2023**, 341-369	0
40	Synthesis of First Coumarin Fluorescent Dye for Actin Visualization.	0
39	Measuring the co-localization and dynamics of mobile proteins in live cells undergoing signaling responses.	0
38	Fast-exchanging spirocyclic rhodamine probes for aptamer-based super-resolution RNA imaging.	0
37	Xanthene dyes for cancer imaging and treatment: A material odyssey. **2023**, 475, 214841	0
36	Nuclear Actin Dynamics in Gene Expression, DNA Repair, and Cancer. **2022**, 625-663	0
35	A dark intermediate in the fluorogenic reaction between tetrazine fluorophores and trans-cyclooctene. **2022**, 100084	0
34	Translational rapid ultraviolet-excited sectioning tomography for whole-organ multicolor imaging with real-time molecular staining. 11,	0
33	Nanometer Resolution Imaging and Tracking of Single Fluorophores by Sequential Structured Illumination.	1
32	A general method for the development of multicolor biosensors with large dynamic ranges.	0
31	Small Fluorogenic Amino Acids for Peptide-Guided Background-Free Imaging.	0

30	A Substituted-Rhodamine-Based Reversible Fluorescent Probe for In Vivo Quantification of Glutathione.	0
29	Small Fluorogenic Amino Acids for Peptide-Guided Background-Free Imaging.	0
28	A Substituted-Rhodamine-Based Reversible Fluorescent Probe for In Vivo Quantification of Glutathione.	1
27	Rational Design of a Dual-Channel Fluorescent Probe for the Simultaneous Imaging of Hypochlorous Acid and Peroxynitrite in Living Organisms. **2022**, 94, 17485-17493	0
26	Discovery of Small-Molecule Modulators of Protein–RNA Interactions by Fluorescence Intensity-Based Binding Assay. **2023**, 53-77	0
25	Accelerated MINFLUX Nanoscopy, through Spontaneously Fast-Blinking Fluorophores. 2206026	0
24	Live-Cell Labeling and Artificial Intelligence Approaches for High-Resolution XYZT Imaging of Cytoskeletal Dynamics During Collective Cell Migration. **2023**, 365-387	0
23	A guide to small fluorescent probes for single-molecule biophysics. **2023**, 4, 011302	0
22	Near-Infrared Blinking Carbon Dots Designed for Quantitative Nanoscopy. **2023**, 23, 124-131	0
21	Exchangeable HaloTag Ligands for Super-Resolution Fluorescence Microscopy. **2023**, 145, 3075-3083	3
20	A general strategy to develop fluorogenic polymethine dyes for bioimaging.	0
19	Photophysical Rate Constants and Oxygen Dependence for Si and Ge Rhodamine Zwitterions. **2023**, 127, 851-860	0
18	Imaging and Sensing Inside the Living Cells. From Seeing to Believing. **2023**, 529-596	0
17	Single-molecule imaging in the primary cilium. **2023**,	0
16	Enhanced Fluorescence by Inter/Intramolecular Hydrogen Bonding in Si-Substituted Coumarins. **2023**, 127, 3187-3196	0
15	Site-specific Covalent Labeling of DNA Substrates by an RNA Transglycosylase.	0
14	De Novo Designed Self-Assembling Rhodamine Probe for Real-Time, Long-Term and Quantitative Live-Cell Nanoscopy. **2023**, 17, 3632-3644	0
13	HaloTag-based reporters for fluorescence imaging and biosensing.	0

12	Single-molecule tracking (SMT): a window into live-cell transcription biochemistry.	1
11	Development of a Versatile Protein Labeling Tool for Live-Cell Imaging Using Fluorescent -Lactamase Inhibitors. **2023**, 62,	0
10	Development of a Versatile Protein Labeling Tool for Live-Cell Imaging Using Fluorescent -Lactamase Inhibitors. **2023**, 135,	0
9	Efforts toward PET-Activatable Red-Shifted Silicon Rhodamines and Silicon Pyronine Dyes. **2023**, 16, 401	0
8	SIM imaging resolves endocytosis of SARS-CoV-2 spike RBD in living cells. **2023**, 30, 248-260.e4	0
7	A general highly efficient synthesis of biocompatible rhodamine dyes and probes for live-cell multicolor nanoscopy. **2023**, 14,	0
6	Pyrrole-Imidazole Polyamides -A Frontrunner in Nucleic Acid-Based Small Molecule Drugs.	0
5	Quantitative determination of fluorescence labeling implemented in cell cultures.	0
4	Site-Specific Covalent Labeling of DNA Substrates by an RNA Transglycosylase. **2023**, 145, 8099-8106	0
3	Fluorescence-based super-resolution-microscopy strategies for chromatin studies.	0
2	OregonFluor enables quantitative intracellular paired agent imaging to assess drug target availability in live cells and tissues.	0
1	A Bright Surprise: Live-Cell Labeling with Negatively Charged Fluorescent Probes based on Disulfonated Rhodamines and HaloTag.	0