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Engineering of a monomeric green-to-red
photoactivatable fluorescent protein induced by blue light

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643	Principles of two-photon excitation microscopy and its applications to neuroscience. 2006 , 50, 823-39		737
642	Directed evolution of a monomeric, bright and photostable version of Clavularia cyan fluorescent protein: structural characterization and applications in fluorescence imaging. 2006 , 400, 531-40		323
641	The Fluorescent Protein Color Palette. 2006 , 33, 21.5.1		15
640	Fast and precise protein tracking using repeated reversible photoactivation. 2006 , 7, 1304-10		23
639	News in Brief. 2006 , 3, 335-335		1
638	Imaging of cell migration. 2006 , 25, 3480-93		76
637	Novel fluorescent proteins for high-content screening. 2006 , 11, 1054-60		41
636	Reporter Genes. 2007 ,		
635	Analysis of de novo Golgi complex formation after enzyme-based inactivation. 2007 , 18, 4637-47		14
634	New gateways to discovery. 2007 , 145, 1100-9		44
633	Methods for imaging and analyses of intracellular organelles using fluorescent and luminescent proteins. 2007 , 23, 25-9		11
632	The illuminated plant cell. 2007 , 12, 506-513		49
631	Share and share alike: trading of presynaptic elements between central synapses. 2007 , 30, 292-8		31
630	Fluorescent proteins for cell biology. 2007 , 411, 47-80		6
629	Advances in fluorescent protein technology. <i>Journal of Cell Science</i> , 2007 , 120, 4247-60	5.3	594

628	Single-organelle tracking by two-photon conversion. 2007 , 15, 2490-8	39
627	Detection of GFP during nervous system development in <i>Drosophila melanogaster</i> . 2007 , 411, 81-98	3
626	The fluorescent protein color palette. 2007 , Chapter 21, Unit 21.5	46
625	Using photoactivatable fluorescent protein Dendra2 to track protein movement. 2007 , 42, 553, 555, 557 passim	94
624	Method for real-time monitoring of protein degradation at the single cell level. 2007 , 42, 446, 448, 450	67
623	A green to red photoconvertible protein as an analyzing tool for early vertebrate development. 2007 , 236, 473-80	50
622	An in vivo comparison of photoactivatable fluorescent proteins in an avian embryo model. 2007 , 236, 1583-94	50
621	The effect of amino acid deletions and substitutions in the longest loop of GFP. 2007 , 7, 1	15
620	Genetically encoded intracellular sensors based on fluorescent proteins. 2007 , 72, 683-97	14
619	Tracking intracellular protein movements using photoswitchable fluorescent proteins PS-CFP2 and Dendra2. 2007 , 2, 2024-32	214
618	Fluorescent protein applications in microscopy. 2007 , 81, 93-113	17
617	Recent advances using green and red fluorescent protein variants. 2007 , 77, 1-12	94
616	Fluorescent proteins and their use in marine biosciences, biotechnology, and proteomics. 2007 , 9, 305-28	18
615	Monitoring of glucose-regulated single insulin secretory granule movement by selective photoactivation. 2008 , 51, 989-96	10
614	Synthesis and properties of the red chromophore of the green-to-red photoconvertible fluorescent protein Kaede and its analogs. 2008 , 36, 96-104	40
613	Visualization of mitotic HeLa cells by advanced polarized light microscopy. 2008 , 39, 635-8	2
612	Fluorescence proteins, live-cell imaging, and mechanobiology: seeing is believing. 2008 , 10, 1-38	245
611	A toolkit for the cell's powerhouse. <i>Nature Biotechnology</i> , 2008 , 26, 294-6	44.5 2

610	Intra-axonal translation and retrograde trafficking of CREB promotes neuronal survival. 2008 , 10, 149-59	219
609	Direct measurement of protein dynamics inside cells using a rationally designed photoconvertible protein. 2008 , 5, 339-45	81
608	Intravital imaging of metastatic behavior through a mammary imaging window. 2008 , 5, 1019-21	320
607	Nanoscale imaging of molecular positions and anisotropies. 2008 , 5, 1027-30	101
606	Live visualization of protein synthesis in axonal growth cones by microinjection of photoconvertible Kaede into <i>Xenopus</i> embryos. 2008 , 3, 1318-27	40
605	Fluorescent probes for super-resolution imaging in living cells. 2008 , 9, 929-43	1050
604	Cyclin B-cdk1 controls pronuclear union in interphase. 2008 , 18, 1308-13	17
603	In vivo manipulation of fluorescently labeled organelles in living cells by multiphoton excitation. 2008 , 13, 031213	13
602	Investigating intracellular dynamics of FtsZ cytoskeleton with photoactivation single-molecule tracking. 2008 , 95, 2009-16	130
601	The first mutant of the <i>Aequorea victoria</i> green fluorescent protein that forms a red chromophore. 2008 , 47, 4666-73	58
600	Vital labeling of embryonic cells using fluorescent dyes and proteins. 2008 , 87, 187-210	12
599	Fluorescent protein tools for studying protein dynamics in living cells: a review. 2008 , 13, 031202	53
598	Cis-trans photoisomerization of fluorescent-protein chromophores. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 10714-22	3,4 103
597	<i>Drosophila</i> . 2008 ,	11
596	Structured illumination microscopy using photoswitchable fluorescent proteins. 2008 ,	15
595	Photoactivation and imaging of photoactivatable fluorescent proteins. 2008 , Chapter 21, Unit 21.6	19
594	Importin-mediated retrograde transport of CREB2 from distal processes to the nucleus in neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 17175-80	11,5 90
593	Wnt5a control of cell polarity and directional movement by polarized redistribution of adhesion receptors. 2008 , 320, 365-9	192

592	MKKS is a centrosome-shuttling protein degraded by disease-causing mutations via CHIP-mediated ubiquitination. 2008 , 19, 899-911	20
591	Structural characterization of IrisFP, an optical highlighter undergoing multiple photo-induced transformations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 18343-8	11.5 187
590	Evaluation of cis-regulatory function in zebrafish. 2008 , 7, 465-73	5
589	Chapter 12: Nanoscale biological fluorescence imaging: breaking the diffraction barrier. 2008 , 89, 329-58	18
588	Fluorescent proteins for photoactivation experiments. 2008 , 85, 45-61	76
587	ACTIVATABLE SMART PROBES FOR MOLECULAR OPTICAL IMAGING AND THERAPY. 2008 , 01, 45-61	16
586	Cell-based assays in practice: cell markers from autofluorescent proteins of the GFP-family. 2008 , 11, 602-9	12
585	Fluorescent proteins as biomarkers and biosensors: throwing color lights on molecular and cellular processes. 2008 , 9, 338-69	117
584	A green fluorescent protein with photoswitchable emission from the deep sea. 2008 , 3, e3766	30
583	mKikGR, a monomeric photoswitchable fluorescent protein. 2008 , 3, e3944	155
582	Frontiers in fluorescence microscopy. 2009 , 53, 1569-79	17
581	The nucleoporins Nup170p and Nup157p are essential for nuclear pore complex assembly. 2009 , 185, 459-73	65
580	Role of the Ndc1 interaction network in yeast nuclear pore complex assembly and maintenance. 2009 , 185, 475-91	120
579	Gap junction turnover is achieved by the internalization of small endocytic double-membrane vesicles. 2009 , 20, 3342-52	73
578	Photomodulatable fluorescent proteins for imaging cell dynamics and cell fate. 2009 , 5, 217-26	17
577	Photoactivatable fluorescent proteins for diffraction-limited and super-resolution imaging. 2009 , 19, 555-65	270
576	Live-imaging fluorescent proteins in mouse embryos: multi-dimensional, multi-spectral perspectives. 2009 , 27, 266-76	51
575	Nonlinear Ultrafast Focal-Point Optics for Microscopic Imaging, Manipulation, and Machining. 2009 , 97, 1011-1030	11

574	Genetic and optical targeting of neural circuits and behavior--zebrafish in the spotlight. 2009 , 19, 553-60	89
573	Nuclear pore complex biogenesis. 2009 , 21, 603-12	53
572	Fluorescent proteins for live cell imaging: opportunities, limitations, and challenges. 2009 , 61, 1029-42	172
571	Structure, dynamics and optical properties of fluorescent proteins: perspectives for marker development. 2009 , 10, 1369-79	68
570	Growth cone-like waves transport actin and promote axonogenesis and neurite branching. 2009 , 69, 761-79	104
569	Single-molecule spectroscopy of fluorescent proteins. 2009 , 393, 527-41	24
568	Crystallization and preliminary X-ray analysis of a monomeric mutant of Azami-Green (mAG), an <i>Aequorea victoria</i> green fluorescent protein-like green-emitting fluorescent protein from the stony coral <i>Galaxea fascicularis</i> . 2009 , 65, 1292-5	4
567	SLP-2 is required for stress-induced mitochondrial hyperfusion. 2009 , 28, 1589-600	495
566	A bright and photostable photoconvertible fluorescent protein. 2009 , 6, 131-3	431
565	Photoactivatable mCherry for high-resolution two-color fluorescence microscopy. 2009 , 6, 153-9	468
564	Photoconversion in orange and red fluorescent proteins. 2009 , 6, 355-8	107
563	Imaging biological structures with fluorescence photoactivation localization microscopy. 2009 , 4, 291-308	148
562	Fluorescent revelations. 2009 , 16, 107-11	4
561	Super-resolution fluorescence microscopy. 2009 , 78, 993-1016	1159
560	Multiphoton imaging of host-pathogen interactions. 2009 , 4, 804-11	8
559	Fluorescent protein tracking and detection: fluorescent protein structure and color variants. 2009 , 2009, pdb.top63	44
558	Chapter 5 Visible fluorescent proteins for FRET. 2009 , 33, 171-223	8
557	Ultrahigh resolution imaging of biomolecules by fluorescence photoactivation localization microscopy. 2009 , 544, 483-522	30

556	[Synthesis and properties of chromophores of fluorescent proteins]. 2009 , 35, 726-43	32
555	Structural basis of enhanced photoconversion yield in green fluorescent protein-like protein Dendra2. 2009 , 48, 4905-15	84
554	The DLK-1 kinase promotes mRNA stability and local translation in C. elegans synapses and axon regeneration. 2009 , 138, 1005-18	262
553	The migration of autonomic precursor cells in the embryo. 2009 , 151, 3-9	20
552	Chromatin position in human HepG2 cells: although being non-random, significantly changed in daughter cells. 2009 , 165, 107-17	25
551	Neuroscience. Bridging the gap and staying local. 2009 , 324, 1527-8	2
550	The fluorescent protein palette: tools for cellular imaging. 2009 , 38, 2887-921	599
549	GFP: from jellyfish to the Nobel prize and beyond. 2009 , 38, 2823-32	113
548	Photoconversion of the fluorescent protein EosFP: a hybrid potential simulation study reveals intersystem crossings. 2009 , 131, 16814-23	34
547	Synapse- and stimulus-specific local translation during long-term neuronal plasticity. 2009 , 324, 1536-40	173
546	Handbook of Single-Molecule Biophysics. 2009 ,	49
545	Micro and Nano Technologies in Bioanalysis. 2009 ,	4
544	Chapter 12 Fluorescence Resonance Energy Transfer in the Studies of Integrin Activation. 2009 , 64, 359-388	1
543	Intravital Imaging and Photoswitching in Tumor Invasion and Intravasation Microenvironments. 2010 , 18, 34-37	8
542	Preparation of developing and adult Drosophila brains and retinæ for live imaging. 2010 ,	36
541	Fluorescence perturbation techniques to study mobility and molecular dynamics of proteins in live cells: FRAP, photoactivation, photoconversion, and FLIP. 2010 , 2010, pdb.top90	70
540	A new wave of cellular imaging. 2010 , 26, 285-314	286
539	Systems microscopy approaches to understand cancer cell migration and metastasis. 2010 , 67, 3219-40	28

538	beta2-Adrenoceptor, Gs and adenylate cyclase coupling in purified detergent-resistant, low density membrane fractions. 2010 , 630, 42-52	6
537	Human Mitons associate with mitochondria and induce microtubule-dependent remodeling of mitochondrial networks. 2010 , 1803, 564-74	57
536	Make them blink: probes for super-resolution microscopy. 2010 , 11, 2475-90	161
535	Use of the Ki67 promoter to label cell cycle entry in living cells. 2010 , 77, 564-70	24
534	Light-mediated remote control of signaling pathways. 2010 , 1804, 547-58	22
533	Advances in engineering of fluorescent proteins and photoactivatable proteins with red emission. 2010 , 14, 23-9	47
532	Green-to-red photoconvertible fluorescent proteins: tracking cell and protein dynamics on standard wide-field mercury arc-based microscopes. 2010 , 11, 15	40
531	Exploring plant endomembrane dynamics using the photoconvertible protein Kaede. 2010 , 63, 696-711	24
530	A ubiquitin-10 promoter-based vector set for fluorescent protein tagging facilitates temporal stability and native protein distribution in transient and stable expression studies. 2010 , 64, 355-65	339
529	The BH3-only Bnip3 binds to the dynamin Opa1 to promote mitochondrial fragmentation and apoptosis by distinct mechanisms. 2010 , 11, 459-65	126
528	Practical intravital two-photon microscopy for immunological research: faster, brighter, deeper. 2010 , 88, 438-44	62
527	Analysis of nucleolar protein fibrillarin mobility and functional state in living HeLa cells. 2010 , 75, 979-88	4
526	Spatial organization of intracellular communication: insights from imaging. 2010 , 11, 440-52	114
525	Fluorescent Reporter Proteins. 3-40	3
524	Two-color photoactivatable probe for selective tracking of proteins and cells. 2010 , 285, 11607-16	36
523	Posttranslational modifications of tubulin and the polarized transport of kinesin-1 in neurons. 2010 , 21, 572-83	207
522	Biogenesis of the plant Golgi apparatus. 2010 , 38, 761-7	23
521	A straightforward and quantitative approach for characterizing the photoactivation performance of optical highlighter fluorescent proteins. 2010 , 97, 203701	3

520	Kinesin-1 heavy chain mediates microtubule sliding to drive changes in cell shape. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 12151-6	11.5	86
519	Dynamic nucleocytoplasmic shuttling of an Arabidopsis SR splicing factor: role of the RNA-binding domains. 2010 , 153, 273-84		36
518	mEosFP-based green-to-red photoconvertible subcellular probes for plants. 2010 , 154, 1573-87		46
517	Photoactivatable and photoconvertible fluorescent probes for protein labeling. 2010 , 5, 507-16		93
516	Modeling Enzymatic Reactions in Metalloenzymes and Photobiology by Quantum Mechanics (QM) and Quantum Mechanics/Molecular Mechanics (QM/MM) Calculations. 2010 , 85-130		5
515	Higher resolution in localization microscopy by slower switching of a photochromic protein. 2010 , 9, 239-48		38
514	Climbing to the next step: photosensitive protein labels. 2010 , 5, 447-8		3
513	Mechanistic diversity of red fluorescence acquisition by GFP-like proteins. 2010 , 49, 7417-27		52
512	A theoretical study on the nature of on- and off-states of reversibly photoswitching fluorescent protein Dronpa: absorption, emission, protonation, and Raman. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 1114-26	3.4	63
511	Advanced Fluorescence Reporters in Chemistry and Biology I. 2010 ,		17
510	Selection and Screening Strategies. 2010 , 85-143		1
509	Superresolution imaging using single-molecule localization. 2010 , 61, 345-67		439
508	A monomeric photoconvertible fluorescent protein for imaging of dynamic protein localization. 2010 , 401, 776-91		64
507	A vesicle superpool spans multiple presynaptic terminals in hippocampal neurons. 2010 , 66, 37-44		112
506	Approaches toward super-resolution fluorescence imaging of mitochondrial proteins using PALM. 2010 , 51, 458-63		30
505	Fluorescent proteins and their applications in imaging living cells and tissues. 2010 , 90, 1103-63		956
504	Single-particle tracking photoactivated localization microscopy for mapping single-molecule dynamics. 2010 , 475, 109-20		50
503	Imaging mouse development with confocal time-lapse microscopy. 2010 , 476, 351-77		21

502	Bright monomeric photoactivatable red fluorescent protein for two-color super-resolution sptPALM of live cells. 2010 , 132, 6481-91	160
501	The parkinsonian mimetic, MPP+, specifically impairs mitochondrial transport in dopamine axons. 2011 , 31, 7212-21	108
500	Structure-Function Relationships in Fluorescent Marker Proteins of the Green Fluorescent Protein Family. 2011 , 241-263	2
499	Vimentin intermediate filaments modulate the motility of mitochondria. 2011 , 22, 2282-9	87
498	Superresolution imaging of multiple fluorescent proteins with highly overlapping emission spectra in living cells. 2011 , 101, 1522-8	109
497	PHOTOSWITCHABLE NANOFLUOROPHORES FOR INNOVATIVE BIOIMAGING. 2011 , 04, 395-408	10
496	Chemically induced photoswitching of fluorescent probes--a general concept for super-resolution microscopy. 2011 , 16, 3106-18	83
495	Primary Photophysical Processes in Chromoproteins. 2011 , 41-68	
494	MiMIC: a highly versatile transposon insertion resource for engineering Drosophila melanogaster genes. 2011 , 8, 737-43	419
493	Regulation of the MEX-5 gradient by a spatially segregated kinase/phosphatase cycle. 2011 , 146, 955-68	100
492	The serotonergic system in fish. 2011 , 41, 294-308	200
491	One-Photon and Two-Photon Excitation of Fluorescent Proteins. 2011 , 3-40	3
490	CYY-1/cyclin Y and CDK-5 differentially regulate synapse elimination and formation for rewiring neural circuits. 2011 , 70, 742-57	58
489	Spatiotemporal photolabeling of neutrophil trafficking during inflammation in live zebrafish. 2011 , 89, 661-7	109
488	Reversible response of protein localization and microtubule organization to nutrient stress during Drosophila early oogenesis. 2011 , 355, 250-62	48
487	Live cell in vitro and in vivo imaging applications: accelerating drug discovery. 2011 , 3, 141-70	53
486	Molecular mechanism of a green-shifted, pH-dependent red fluorescent protein mKate variant. 2011 , 6, e23513	8
485	Tax ubiquitylation and SUMOylation control the dynamic shuttling of Tax and NEMO between Ubc9 nuclear bodies and the centrosome. 2011 , 117, 190-9	50

484	Highlights of the optical highlighter fluorescent proteins. 2011 , 243, 1-7	32
483	Basement membrane sliding and targeted adhesion remodels tissue boundaries during uterine-vulval attachment in <i>Caenorhabditis elegans</i> . 2011 , 13, 641-51	80
482	Proteins on the move: insights gained from fluorescent protein technologies. 2011 , 12, 656-68	108
481	Tissue remodeling: making way for cellular invaders. 2011 , 21, R585-7	
480	XRCC4 controls nuclear import and distribution of Ligase IV and exchanges faster at damaged DNA in complex with Ligase IV. 2011 , 10, 1232-42	17
479	Long and short distance movements of β -adrenoceptor in cell membrane assessed by photoconvertible fluorescent protein dendra2- β -adrenoceptor fusion. 2011 , 1813, 1511-24	5
478	Modern fluorescent proteins and imaging technologies to study gene expression, nuclear localization, and dynamics. 2011 , 23, 310-7	116
477	Rational design of photoconvertible and biphotochromic fluorescent proteins for advanced microscopy applications. 2011 , 18, 1241-51	79
476	Evaluation of fluorophores for optimal performance in localization-based super-resolution imaging. 2011 , 8, 1027-36	925
475	Genetically encodable fluorescent biosensors for tracking signaling dynamics in living cells. 2011 , 111, 3614-66	285
474	Setup and use of a two-laser multiphoton microscope for multichannel intravital fluorescence imaging. 2011 , 6, 1500-20	91
473	The dendritic branch is the preferred integrative unit for protein synthesis-dependent LTP. 2011 , 69, 132-46	234
472	Intravital microscopy as a tool to study drug delivery in preclinical studies. 2011 , 63, 119-28	52
471	AtMYB12 gene: a novel visible marker for wheat transformation. 2011 , 38, 183-90	12
470	Investigating the genetics of visual processing, function and behaviour in zebrafish. 2011 , 12, 97-116	18
469	Time-lapse imaging of neural development: zebrafish lead the way into the fourth dimension. 2011 , 49, 534-45	8
468	Dynamic lineage analysis of embryonic morphogenesis using transgenic quail and 4D multispectral imaging. 2011 , 49, 619-43	12
467	From EosFP to mIrisFP: structure-based development of advanced photoactivatable marker proteins of the GFP-family. 2011 , 4, 377-90	41

466	Editorial: Neutrophils live on a two-way street. 2011 , 89, 645-7	9
465	[New perspectives of imaging techniques in islet research]. 2011 , 136, 1130-4	1
464	Photoconversion of the Green Fluorescent Protein and Related Proteins. 2011 , 183-216	2
463	Probes for Nanoscopy: Fluorescent Proteins. 2011 , 111-158	3
462	Notch/Delta signalling is not required for segment generation in the basally branching insect <i>Gryllus bimaculatus</i> . 2011 , 138, 5015-26	47
461	Photoactivation and imaging of optical highlighter fluorescent proteins. 2011 , Chapter 12, Unit 12.23	8
460	High-resolution multiphoton imaging of tumors in vivo. 2011 , 2011, 1167-84	53
459	Endocytosis is essential for dynamic translocation of a syntaxin 1 orthologue during fission yeast meiosis. 2011 , 22, 3658-70	12
458	Intravital microscopy: new insights into metastasis of tumors. <i>Journal of Cell Science</i> , 2011 , 124, 299-310	5.3 120
457	Cotranscriptional effect of a premature termination codon revealed by live-cell imaging. 2011 , 17, 2094-107	39
456	A set of P-element transformation vectors permitting the simplified generation of fluorescent fusion proteins in <i>Drosophila melanogaster</i> . 2011 , 5, 255-60	3
455	Three-dimensional superresolution colocalization of intracellular protein superstructures and the cell surface in live <i>Caulobacter crescentus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, E1102-10	11.5 106
454	Imaging molecular dynamics in vivo--from cell biology to animal models. <i>Journal of Cell Science</i> , 2011 , 124, 2877-90	5.3 62
453	Single-molecule investigations of the stringent response machinery in living bacterial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, E365-73	11.5 209
452	Single molecule tracking fluorescence microscopy in mitochondria reveals highly dynamic but confined movement of Tom40. 2011 , 1, 195	26
451	Novel diffusion barrier for axonal retention of Tau in neurons and its failure in neurodegeneration. 2011 , 30, 4825-37	134
450	DSCR1 interacts with FMRP and is required for spine morphogenesis and local protein synthesis. 2012 , 31, 3655-66	43
449	Fluorescent Proteins I. 2012 ,	9

448	Intravital imaging of cell signaling in mice. 2012 , 1, 2-10	26
447	The kinesin-3 family motor KLP-4 regulates anterograde trafficking of GLR-1 glutamate receptors in the ventral nerve cord of <i>Caenorhabditis elegans</i> . 2012 , 23, 3647-62	26
446	Cytological analysis of <i>Tetrahymena thermophila</i> . 2012 , 109, 357-78	13
445	Green-to-red photoconvertible mEosFP-aided live imaging in plants. 2012 , 504, 163-81	7
444	CHMP6 and VPS4A mediate the recycling of Ras to the plasma membrane to promote growth factor signaling. 2012 , 31, 4630-8	22
443	A tool for automatic dendritic spine detection and analysis. Part I: Dendritic spine detection using multi-level region-based segmentation. 2012 ,	3
442	Multiphoton Fluorescence Light Microscopy. 2012 ,	1
441	Neutrophil reverse migration becomes transparent with zebrafish. 2012 , 2012, 398640	40
440	Mechanistic insights into reversible photoactivation in proteins of the GFP family. 2012 , 103, 2521-31	24
439	New insights into the regulation of E-cadherin distribution by endocytosis. 2012 , 295, 63-108	32
438	Imaging translation in single cells using fluorescent microscopy. 2012 , 4,	26
437	Migration of cardiomyocytes is essential for heart regeneration in zebrafish. 2012 , 139, 4133-42	105
436	Arrangement of nuclear structures is not transmitted through mitosis but is identical in sister cells. 2012 , 113, 3313-29	10
435	Cell tracking using photoconvertible proteins during zebrafish development. 2012 ,	8
434	Advanced fluorescence microscopy techniques--FRAP, FLIP, FLAP, FRET and FLIM. 2012 , 17, 4047-132	298
433	Guidelines for the use and interpretation of assays for monitoring autophagy. 2012 , 8, 445-544	2783
432	Monitoring spatiotemporal biogenesis of macromolecular assemblies by pulse-chase epitope labeling. 2012 , 47, 788-96	21
431	Computational Modeling of Mass Transport and Its Relation to Cell Behavior in Tissue Engineering Constructs. 2012 , 85-105	2

430	Super-resolution microscopy: a comparative treatment. 2012 , Chapter 2, Unit2.17	3
429	2.4 Super-Resolution Microscopy. 2012 , 39-58	0
428	Photoassisted "gate-lock" fluorescence "turn-on" in a new Schiff base and coordination ability of E-Z isomers. 2012 , 14, 592-5	10
427	Chromophore transformations in red fluorescent proteins. 2012 , 112, 4308-27	136
426	NUSAS: Negative pressure driving HEPG2/3T3 cells mixing/gradient co-culture inside U trapper array on rapid multicellular Spheroid Assembling System. 2012 ,	1
425	Visualizing proteins in electron micrographs at nanometer resolution. 2012 , 111, 283-306	19
424	Optimization of cell morphology measurement via single-molecule tracking PALM. 2012 , 7, e36751	19
423	Cassette series designed for live-cell imaging of proteins and high-resolution techniques in yeast. 2012 , 29, 119-36	33
422	Fluorescence in nanobiotechnology: sophisticated fluorophores for novel applications. 2012 , 8, 2297-326	161
421	Mitochondrial dynamics and bioenergetic dysfunction is associated with synaptic alterations in mutant SOD1 motor neurons. 2012 , 32, 229-42	99
420	Subcellular Resolution Imaging in Neural Circuits. 2012 , 61-89	
419	Three-dimensional super-resolution imaging of the midplane protein FtsZ in live <i>Caulobacter crescentus</i> cells using astigmatism. 2012 , 13, 1007-12	83
418	Advances in directed molecular evolution of reporter genes. 2012 , 32, 133-42	14
417	Spectral unmixing imaging of wavelength-responsive fluorescent probes: an application for the real-time report of amyloid Beta species in Alzheimer's disease. 2012 , 14, 293-300	27
416	Activated leukocyte cell adhesion molecule modulates neurotrophin signaling. 2012 , 121, 575-86	14
415	Dimer interface rearrangement of the 6-phosphofructo-2-kinase/fructose 2,6-bisphosphatase rat liver isoenzyme by cAMP-dependent Ser-32 phosphorylation. 2012 , 586, 1419-25	5
414	Free extracellular diffusion creates the Dpp morphogen gradient of the <i>Drosophila</i> wing disc. 2012 , 22, 668-75	116
413	Parameters that affect estimation of nucleolar proteinsImobility in living cells by the FRAP method with the example of protein fibrillarin. 2012 , 6, 128-136	1

412	Emission spectra profiling of fluorescent proteins in living plant cells. 2013 , 9, 10	37
411	Proteostasis of polyglutamine varies among neurons and predicts neurodegeneration. 2013 , 9, 586-92	133
410	Localization-based super-resolution imaging of cellular structures. 2013 , 1046, 59-84	6
409	Developmental imaging: the avian embryo hatches to the challenge. 2013 , 99, 121-33	10
408	Zebrafish: a multifaceted tool for chemical biologists. 2013 , 113, 7952-80	48
407	Determination of two-photon photoactivation rates of fluorescent proteins. 2013 , 15, 14868-72	5
406	Dictyostelium discoideum Protocols. 2013 ,	7
405	Generation and application of signaling pathway reporter lines in zebrafish. 2013 , 288, 231-42	52
404	Fluorescence nanoscopy. Methods and applications. 2013 , 6, 97-120	30
403	Computational Modeling in Tissue Engineering. 2013 ,	18
402	Stochastic optical reconstruction microscopy (STORM): a method for superresolution fluorescence imaging. 2013 , 2013, 498-520	58
401	A user's guide to localization-based super-resolution fluorescence imaging. 2013 , 114, 561-92	25
400	An engineered monomeric Zoanthus sp. yellow fluorescent protein. 2013 , 20, 1296-304	27
399	Multivalent ligands control stem cell behaviour in vitro and in vivo. 2013 , 8, 831-8	87
398	Fluorescent protein applications in microscopy. 2013 , 114, 99-123	7
397	The epithelial calcium channel TRPV5 is regulated differentially by klotho and sialidase. 2013 , 288, 29238-46	34
396	Sample preparation for single molecule localization microscopy. 2013 , 15, 18771-83	25
395	Kinesin-1 regulates synaptic strength by mediating the delivery, removal, and redistribution of AMPA receptors. 2013 , 80, 1421-37	58

394	Kaede for detection of protein oligomerization. 2013 , 6, 1453-62		15
393	Reaction mechanism of photoinduced decarboxylation of the photoactivatable green fluorescent protein: an ONIOM(QM:MM) study. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 1075-84	3-4	28
392	Preclinical intravital microscopy of the tumour-stroma interface: invasion, metastasis, and therapy response. 2013 , 25, 659-71		108
391	The EBAX-type Cullin-RING E3 ligase and Hsp90 guard the protein quality of the SAX-3/Robo receptor in developing neurons. 2013 , 79, 903-16		21
390	Fluorescent proteins: shine on, you crazy diamond. 2013 , 135, 2387-402		145
389	High-Resolution 4D Imaging in Live Cells. 2013 ,		
388	Fluorescence Labeling. 2013 , 143-173		2
387	Beta-barrel scaffold of fluorescent proteins: folding, stability and role in chromophore formation. 2013 , 302, 221-78		57
386	Fluorescent reporters and methods to analyze fluorescent signals. 2013 , 983, 93-112		21
385	Single-molecule imaging in vivo: the dancing building blocks of the cell. 2013 , 5, 748-58		46
384	A HaloTag [®] method for assessing the retrograde axonal transport of the p75 neurotrophin receptor and other proteins in compartmented cultures of rat sympathetic neurons. 2013 , 214, 91-104		7
383	Smart fluorescent proteins: innovation for barrier-free superresolution imaging in living cells. 2013 , 55, 491-507		25
382	Reporter mouse lines for fluorescence imaging. 2013 , 55, 390-405		87
381	Super-resolution microscopy of live cells using single molecule localization. 2013 , 58, 4519-4527		1
380	The ubiquitin-proteasome system regulates the stability and activity of the glucose sensor glucokinase in pancreatic β cells. 2013 , 456, 173-84		21
379	Revealing the excited-state dynamics of the fluorescent protein Dendra2. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 2300-13	3-4	18
378	Caught in the act: revealing the metastatic process by live imaging. 2013 , 6, 580-93		46
377	DNA damage-induced centrosome amplification occurs via excessive formation of centriolar satellites. 2013 , 32, 2963-72		49

376	Dual imaging and photoactivated nanoprobe for controlled cell tracking. 2013 , 9, 222-7	13
375	Morphogenesis of the <i>caenorhabditis elegans</i> vulva. 2013 , 2, 75-95	35
374	The netrin receptor DCC focuses invadopodia-driven basement membrane transmigration in vivo. 2013 , 201, 903-13	87
373	Transfection of genetically encoded photoswitchable probes for STORM imaging. 2013 , 2013, 537-9	4
372	Transgenesis and imaging in birds, and available transgenic reporter lines. 2013 , 55, 406-21	19
371	Super-Resolution Imaging Through Stochastic Switching and Localization of Single Molecules: An Overview. 2013 , 27-64	4
370	Fluorescence Imaging in Cancerology. 2013 , 2, 3-17	1
369	Combining RNAi and in vivo confocal microscopy analysis of the photoconvertible fluorescent protein Dendra2 to study a DNA repair protein. 2013 , 55, 198-203	6
368	PIN2 turnover in Arabidopsis root epidermal cells explored by the photoconvertible protein Dendra2. 2013 , 8, e61403	30
367	Transgenic mouse models enabling photolabeling of individual neurons in vivo. 2013 , 8, e62132	17
366	Autophagy activation clears ELAVL1/HuR-mediated accumulation of SQSTM1/p62 during proteasomal inhibition in human retinal pigment epithelial cells. 2013 , 8, e69563	119
365	In cellulo evaluation of phototransformation quantum yields in fluorescent proteins used as markers for single-molecule localization microscopy. 2014 , 9, e98362	25
364	Single-molecule tracking in live cells reveals distinct target-search strategies of transcription factors in the nucleus. 2014 , 3,	196
363	Imaging DivIVA dynamics using photo-convertible and activatable fluorophores in <i>Bacillus subtilis</i> . 2014 , 5, 59	22
362	Imaging live cells at the nanometer-scale with single-molecule microscopy: obstacles and achievements in experiment optimization for microbiology. 2014 , 19, 12116-49	38
361	Generation of fluorescent flowers exhibiting strong fluorescence by combination of fluorescent protein from marine plankton and recent genetic tools in <i>Torenia fournieri</i> Lind.. 2014 , 31, 309-318	19
360	mGlu5 receptors regulate synaptic sumoylation via a transient PKC-dependent diffusional trapping of Ubc9 into spines. 2014 , 5, 5113	18
359	Invadopodia and basement membrane invasion in vivo. 2014 , 8, 246-55	48

358	Dynamics of the circadian clock protein PERIOD2 in living cells. <i>Journal of Cell Science</i> , 2014 , 127, 4322-85.3	15
357	A new method to measure autophagy flux in the nervous system. 2014 , 10, 710-4	22
356	Membrane microdomains: from seeing to understanding. 2014 , 5, 18	26
355	Redox and Src family kinase signaling control leukocyte wound attraction and neutrophil reverse migration. 2014 , 207, 589-98	89
354	Fluorescent genetic barcoding in mammalian cells for enhanced multiplexing capabilities in flow cytometry. 2014 , 85, 105-13	13
353	Imaging of mitochondrial dynamics in motor and sensory axons of living mice. 2014 , 547, 97-110	11
352	Real-time interactive two-photon photoconversion of recirculating lymphocytes for discontinuous cell tracking in live adult mice. 2014 , 7, 425-33	40
351	Intracellular thiols and photo-illumination sequentially activate doubly locked molecular probes for long-term cell highlighting and tracking with precise spatial accuracy. 2014 , 20, 16314-9	8
350	Retrograde intraciliary trafficking of opsin during the maintenance of cone-shaped photoreceptor outer segments of <i>Xenopus laevis</i> . 2014 , 522, 3577-3589	10
349	Submembrane assembly and renewal of rod photoreceptor cGMP-gated channel: insight into the actin-dependent process of outer segment morphogenesis. 2014 , 34, 8164-74	25
348	A pulse-chase epitope labeling to study cellular dynamics of newly synthesized proteins: a novel strategy to characterize NPC biogenesis and ribosome maturation/export. 2014 , 122, 147-63	5
347	ADF/cofilin promotes invadopodial membrane recycling during cell invasion in vivo. 2014 , 204, 1209-18	35
346	Fluorescent proteins for live-cell imaging with super-resolution. 2014 , 43, 1088-106	250
345	Glucose-induced dissociation of glucokinase from its regulatory protein in the nucleus of hepatocytes prior to nuclear export. 2014 , 1843, 554-64	13
344	Imaging dynamic interactions between spliceosomal proteins and pre-mRNA in living cells. 2014 , 65, 359-66	6
343	How to switch a fluorophore: from undesired blinking to controlled photoswitching. 2014 , 43, 1076-87	128
342	Photoswitching Proteins. 2014 ,	4
341	Single-molecule evaluation of fluorescent protein photoactivation efficiency using an in vivo nanotemplate. 2014 , 11, 156-62	179

340	Biomolecular dynamics and binding studies in the living cell. 2014 , 11, 1-30	27
339	Super-resolution microscopy: going live and going fast. 2014 , 15, 630-6	28
338	Engineering and characterizing monomeric fluorescent proteins for live-cell imaging applications. 2014 , 9, 910-28	38
337	Applied Plant Cell Biology. 2014 ,	3
336	Advances in whole-embryo imaging: a quantitative transition is underway. 2014 , 15, 327-39	76
335	High-density single-particle tracking: quantifying molecule organization and dynamics at the nanoscale. 2014 , 141, 587-95	22
334	Imaging hallmarks of cancer in living mice. 2014 , 14, 406-18	146
333	Exploring bacterial cell biology with single-molecule tracking and super-resolution imaging. 2014 , 12, 9-22	187
332	Abnormal mitochondrial transport and morphology are common pathological denominators in SOD1 and TDP43 ALS mouse models. 2014 , 23, 1413-24	202
331	Photoswitchable fluorescent proteins for superresolution fluorescence microscopy circumventing the diffraction limit of light. 2014 , 1076, 793-812	13
330	Green-to-red photoconvertible Dronpa mutant for multimodal super-resolution fluorescence microscopy. 2014 , 8, 1664-73	68
329	Applications of fluorescent marker proteins in plant cell biology. 2014 , 1062, 487-507	17
328	An unconventional secretory pathway mediates the cilia targeting of peripherin/rds. 2014 , 34, 992-1006	57
327	The centriolar protein Bld10/Cep135 is required to establish centrosome asymmetry in Drosophila neuroblasts. 2014 , 24, 1548-55	35
326	Single-molecule localization microscopy using mCherry. 2014 , 15, 3447-51	19
325	The changing point-spread function: single-molecule-based super-resolution imaging. 2014 , 141, 577-85	11
324	Tracking protein dynamics with photoconvertible Dendra2 on spinning disk confocal systems. 2014 , 256, 197-207	4
323	Steady-state and time-resolved spectroscopic studies of green-to-red photoconversion of fluorescent protein Dendra2. 2014 , 280, 5-13	10

322	Characterization and development of photoactivatable fluorescent proteins for single-molecule-based superresolution imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 8452-7	11.5	253
321	Photocontrollable fluorescent proteins for superresolution imaging. 2014 , 43, 303-29		157
320	In vivo single-molecule imaging of bacterial DNA replication, transcription, and repair. 2014 , 588, 3585-94		47
319	Using microfluidics chips for live imaging and study of injury responses in <i>Drosophila</i> larvae. 2014 , e50998		15
318	Measuring protein stability in living zebrafish embryos using fluorescence decay after photoconversion (FDAP). 2015 , 52266		7
317	Non-invasive Imaging of the Innate Immune Response in a Zebrafish Larval Model of <i>Streptococcus iniae</i> Infection. 2015 ,		7
316	Optical Tools to Investigate Cellular Activity in the Intestinal Wall. 2015 , 21, 337-51		27
315	Tracking the activity-dependent diffusion of synaptic proteins using restricted photoconversion of Dendra2. 2015 , 9, 367		2
314	Reproductive Aging Drives Protein Accumulation in the Uterus and Limits Lifespan in <i>C. elegans</i> . 2015 , 11, e1005725		12
313	MATtrack: A MATLAB-Based Quantitative Image Analysis Platform for Investigating Real-Time Photo-Converted Fluorescent Signals in Live Cells. 2015 , 10, e0140209		3
312	Asymmetrically dividing <i>Drosophila</i> neuroblasts utilize two spatially and temporally independent cytokinesis pathways. 2015 , 6, 6551		20
311	Preface. Cell fusion. 2015 , 1313, v		3
310	Microtubule sliding drives proplatelet elongation and is dependent on cytoplasmic dynein. 2015 , 125, 860-8		65
309	Miro1 Regulates Activity-Driven Positioning of Mitochondria within Astrocytic Processes Apposed to Synapses to Regulate Intracellular Calcium Signaling. 2015 , 35, 15996-6011		80
308	Stochastic approach to the molecular counting problem in superresolution microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E110-8	11.5	68
307	Far-Field Optical Nanoscopy. 2015 ,		7
306	Stressed mycobacteria use the chaperone ClpB to sequester irreversibly oxidized proteins asymmetrically within and between cells. 2015 , 17, 178-90		66
305	Exploring color tuning strategies in red fluorescent proteins. 2015 , 14, 200-12		15

304	A hardwired HIV latency program. 2015 , 160, 990-1001	160
303	Fluorescent Photo-conversion: A second chance to label unique cells. 2015 , 8, 187-196	2
302	Neutrophils in host defense: new insights from zebrafish. 2015 , 98, 523-37	79
301	Redox Homeostasis and Mitochondrial Dynamics. 2015 , 22, 207-18	350
300	Heavy water: a simple solution to increasing the brightness of fluorescent proteins in super-resolution imaging. 2015 , 51, 13451-3	20
299	Probing the target search of DNA-binding proteins in mammalian cells using TetR as model searcher. 2015 , 6, 7357	127
298	A guide to use photocontrollable fluorescent proteins and synthetic smart fluorophores for nanoscopy. 2015 , 64, 263-77	31
297	In vivo single-cell labeling by confined primed conversion. 2015 , 12, 645-8	54
296	Neuronal Activity and CaMKII Regulate Kinesin-Mediated Transport of Synaptic AMPARs. 2015 , 86, 457-74	50
295	Live-cell imaging of actin dynamics reveals mechanisms of stereocilia length regulation in the inner ear. 2015 , 6, 6873	46
294	Invasive Cell Fate Requires G1 Cell-Cycle Arrest and Histone Deacetylase-Mediated Changes in Gene Expression. 2015 , 35, 162-74	78
293	Molecular Dynamic Indicators of the Photoswitching Properties of Green Fluorescent Proteins. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 12007-16	3-4 8
292	Applications of phototransformable fluorescent proteins for tracking the dynamics of cellular components. 2015 , 14, 1787-806	19
291	Unveiling the inner workings of live bacteria using super-resolution microscopy. 2015 , 87, 42-63	45
290	Live imaging reveals spatial separation of parental chromatin until the four-cell stage in <i>Caenorhabditis elegans</i> embryos. 2016 , 60, 5-12	6
289	Autofagia en el sistema cardiovascular: pasado, presente y futuro. 2016 , 35, 228-241	1
288	RNA Polymerase II cluster dynamics predict mRNA output in living cells. 2016 , 5,	140
287	Yeast Nanobiotechnology. 2016 , 2, 18	9

286	Reversibly switchable photoacoustic tomography using a genetically encoded near-infrared phytochrome. 2016 ,	1
285	Advanced Image Acquisition and Analytical Techniques for Studies of Living Cells and Tissue Sections. 2016 , 22, 326-41	4
284	Two-photon excited photoconversion of cyanine-based dyes. 2016 , 6, 23866	12
283	RNA Transport: From Head to Toe in Radial Glial Cells. 2016 , 26, R1285-R1287	2
282	Intravital Insights into Heterogeneity, Metastasis, and Therapy Responses. 2016 , 2, 205-216	25
281	Single neuron morphology in vivo with confined primed conversion. 2016 , 133, 125-38	6
280	Nuclear Envelope Retention of LINC Complexes Is Promoted by SUN-1 Oligomerization in the <i>Caenorhabditis elegans</i> Germ Line. 2016 , 203, 733-48	7
279	Chromophore photophysics and dynamics in fluorescent proteins of the GFP family. 2016 , 28, 443001	17
278	Photoconvertible Behavior of LSSmOrange Applicable for Single Emission Band Optical Highlighting. 2016 , 111, 1014-25	6
277	Effects of Auxins on PIN-FORMED2 (PIN2) Dynamics Are Not Mediated by Inhibiting PIN2 Endocytosis. 2016 , 172, 1019-1031	34
276	SPHK1/sphingosine kinase 1-mediated autophagy differs between neurons and SH-SY5Y neuroblastoma cells. 2016 , 12, 1418-24	28
275	Photoswitching Fluorophores in Super-Resolution Fluorescence Microscopy. 2016 , 49-64	
274	FOXO/DAF-16 Activation Slows Down Turnover of the Majority of Proteins in <i>C. elegans</i> . <i>Cell Reports</i> , 2016 , 16, 3028-3040	10.6 25
273	From single molecules to life: microscopy at the nanoscale. 2016 , 408, 6885-911	70
272	Essential Basics of Light-Matter Interaction in Biophotonics. 2016 , 79-220	
271	Crystal structure of the fluorescent protein from <i>Dendronephthya</i> sp. in both green and photoconverted red forms. 2016 , 72, 922-32	8
270	Green-to-red primed conversion of Dendra2 using blue and red lasers. 2016 , 52, 13144-13146	20
269	Imaging collective cell migration and hair cell regeneration in the sensory lateral line. 2016 , 134, 211-56	11

268	Establishing super-resolution imaging for proteins in diatom biosilica. 2016 , 6, 36824	17
267	Segregation of prokaryotic magnetosomes organelles is driven by treadmilling of a dynamic actin-like MamK filament. 2016 , 14, 88	39
266	Cell-to-cell spread of microsporidia causes <i>Caenorhabditis elegans</i> organs to form syncytia. 2016 , 1, 16144	23
265	Labeling cellular structures in vivo using confined primed conversion of photoconvertible fluorescent proteins. 2016 , 11, 2419-2431	20
264	Photo-convertible fluorescent proteins as tools for fresh insights on subcellular interactions in plants. 2016 , 263, 148-57	12
263	Chromosome Architecture. 2016 ,	
262	Intra-Nuclear Single-Particle Tracking (I-SPT) to Reveal the Functional Architecture of Chromosomes. 2016 , 1431, 265-74	
261	Validation of a device for the active manipulation of the tumor microenvironment during intravital imaging. 2016 , 5,	12
260	Studying the Dynamics of Chromatin-Binding Proteins in Mammalian Cells Using Single-Molecule Localisation Microscopy. 2016 , 1431, 235-63	3
259	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). 2016 , 12, 1-222	3838
258	Urinary β -galactosidase stimulates Ca^{2+} transport by stabilizing TRPV5 at the plasma membrane. 2016 , 26, 472-81	5
257	Effector T-cell trafficking between the leptomeninges and the cerebrospinal fluid. 2016 , 530, 349-53	203
256	Cellular and System Biology of Memory: Timing, Molecules, and Beyond. 2016 , 96, 647-93	68
255	Yeast Cytokinesis. 2016 ,	1
254	Fusogenic Liposomes as Nanocarriers for the Delivery of Intracellular Proteins. 2017 , 33, 1051-1059	63
253	Live-imaging analysis of germ cell proliferation in the <i>C. elegans</i> adult supports a stochastic model for stem cell proliferation. 2017 , 423, 93-100	27
252	Single-molecule and super-resolution imaging of transcription in living bacteria. 2017 , 120, 103-114	34
251	Image-guided genomics of phenotypically heterogeneous populations reveals vascular signalling during symbiotic collective cancer invasion. 2017 , 8, 15078	56

250	Time-resolved biophysical approaches to nucleocytoplasmic transport. 2017 , 15, 299-306	2
249	Axodendritic sorting and pathological missorting of Tau are isoform-specific and determined by axon initial segment architecture. 2017 , 292, 12192-12207	61
248	The alternative life of RNA-sequencing meets single molecule approaches. 2017 , 591, 1455-1470	5
247	A High-Throughput Screening Assay Using a Photoconvertible Protein for Identifying Inhibitors of Transcription, Translation, or Proteasomal Degradation. 2017 , 22, 399-407	7
246	Fluorescent protein Dendra2 as a ratiometric genetically encoded pH-sensor. 2017 , 493, 1518-1521	18
245	FRAP and Other Photoperturbation Techniques. 2017 , 99-141	2
244	Photoswitching of Green mEos2 by Intense 561 nm Light Perturbs Efficient Green-to-Red Photoconversion in Localization Microscopy. 2017 , 8, 4424-4430	9
243	E46K β -synuclein pathological mutation causes cell-autonomous toxicity without altering protein turnover or aggregation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E8274-E8283	11.5 23
242	MAP1B Light Chain Modulates Synaptic Transmission via AMPA Receptor Intracellular Trapping. 2017 , 37, 9945-9963	16
241	The first wave of T lymphopoiesis in zebrafish arises from aorta endothelium independent of hematopoietic stem cells. 2017 , 214, 3347-3360	42
240	Rational Engineering of Photoconvertible Fluorescent Proteins for Dual-Color Fluorescence Nanoscopy Enabled by a Triplet-State Mechanism of Primed Conversion. 2017 , 129, 11786-11791	4
239	PKC δ Diffusion and translocation are independent of an intact cytoskeleton. 2017 , 7, 475	4
238	1. Fluorescent Protein Labeling Techniques. 2017 , 1-92	
237	3. Super-resolution Localization Microscopy. 2017 , 194-234	
236	The Role of Probe Photophysics in Localization-Based Superresolution Microscopy. 2017 , 113, 2037-2054	18
235	Using integrated correlative cryo-light and electron microscopy to directly observe syntaphilin-immobilized neuronal mitochondria. 2017 , 3, 8-16	10
234	Procedures and applications of long-term intravital microscopy. 2017 , 128, 52-64	19
233	Rational Engineering of Photoconvertible Fluorescent Proteins for Dual-Color Fluorescence Nanoscopy Enabled by a Triplet-State Mechanism of Primed Conversion. 2017 , 56, 11628-11633	27

232	Shedding of host autophagic proteins from the parasitophorous vacuolar membrane of <i>Plasmodium berghei</i> . 2017 , 7, 2191	28
231	Relationship between mutant Cu/Zn superoxide dismutase 1 maturation and inclusion formation in cell models. 2017 , 140, 140-150	11
230	Photoinduced Chemistry in Fluorescent Proteins: Curse or Blessing?. 2017 , 117, 758-795	154
229	Axially-confined in vivo single-cell labeling by primed conversion using blue and red lasers with conventional confocal microscopes. 2017 , 59, 741-748	2
228	tFRAP: A FRAP-Based Technique to Monitor Protein Translation in Living Cells. 2017 , 08,	1
227	Screening the Molecular Framework Underlying Local Dendritic mRNA Translation. 2017 , 10, 45	6
226	Dynamics of BMP signaling and distribution during zebrafish dorsal-ventral patterning. 2017 , 6,	35
225	The rise of photoresponsive protein technologies applications : a spotlight on zebrafish developmental and cell biology. 2017 , 6,	5
224	Sumoylation regulates FMRP-mediated dendritic spine elimination and maturation. 2018 , 9, 757	41
223	Quantitative diffusion measurements using the open-source software PyFRAP. 2018 , 9, 1582	18
222	The role of autophagy in age-related macular degeneration. 2018 , 96 Suppl A110, 1-50	9
221	Haploinsufficiency leads to neurodegeneration in C9ORF72 ALS/FTD human induced motor neurons. 2018 , 24, 313-325	270
220	Correlative microscopy for structural microbiology. 2018 , 43, 132-138	6
219	Primed Conversion: The New Kid on the Block for Photoconversion. 2018 , 24, 8268-8274	5
218	Rediscovering Bacteria through Single-Molecule Imaging in Living Cells. 2018 , 115, 190-202	16
217	Lymph node metastases can invade local blood vessels, exit the node, and colonize distant organs in mice. 2018 , 359, 1403-1407	229
216	Use of photoswitchable fluorescent proteins for droplet-based microfluidic screening. 2018 , 147, 59-65	10
215	Intravital Imaging of Tumor Cell Motility in the Tumor Microenvironment Context. 2018 , 1749, 175-193	8

214	Using Single-Protein Tracking to Study Cell Migration. 2018 , 1749, 291-311	3
213	The uL10 protein, a component of the ribosomal P-stalk, is released from the ribosome in nucleolar stress. 2018 , 1865, 34-47	12
212	Dominant-negative SMARCA4 mutants alter the accessibility landscape of tissue-unrestricted enhancers. 2018 , 25, 61-72	89
211	Monomerization of the photoconvertible fluorescent protein SAASoti by rational mutagenesis of single amino acids. 2018 , 8, 15542	4
210	moxMaple3: a Photoswitchable Fluorescent Protein for PALM and Protein Highlighting in Oxidizing Cellular Environments. 2018 , 8, 14738	8
209	Mechanistic framework for cell-intrinsic re-establishment of PIN2 polarity after cell division. 2018 , 4, 1082-1088	35
208	N-terminal acetylation and methylation differentially affect the function of MYL9. 2018 , 475, 3201-3219	16
207	The Drosophila Blood-Brain Barrier Adapts to Cell Growth by Unfolding of Pre-existing Septate Junctions. 2018 , 47, 697-710.e3	22
206	Switchable Fluorophores for Single-Molecule Localization Microscopy. 2018 , 118, 9412-9454	124
205	DISC1 regulates N-methyl-D-aspartate receptor dynamics: abnormalities induced by a Disc1 mutation modelling a translocation linked to major mental illness. 2018 , 8, 184	11
204	Continuous addition of progenitors forms the cardiac ventricle in zebrafish. 2018 , 9, 2001	28
203	Understanding Protein Mobility in Bacteria by Tracking Single Molecules. 2018 , 430, 4443-4455	29
202	Cousins at work: How combining medical with optical imaging enhances in vivo cell tracking. 2018 , 102, 40-50	20
201	Photoconversion of Alloreactive T Cells in Murine Peyer's Patches During Acute Graft-Versus-Host Disease: Tracking the Homing Route of Highly Proliferative Cells. <i>Frontiers in Immunology</i> , 2018 , 9, 1468 ^{8.4}	1
200	Exosomes taken up by neurons hijack the endosomal pathway to spread to interconnected neurons. 2018 , 6, 10	83
199	Micromanipulation Techniques Allowing Analysis of Morphogenetic Dynamics and Turnover of Cytoskeletal Regulators. 2018 ,	3
198	The caudal dorsal artery generates hematopoietic stem and progenitor cells via the endothelial-to-hematopoietic transition in zebrafish. 2018 , 45, 315-315	2
197	Cell Migration. 2018 ,	0

196	Novel Phototransformable Fluorescent Protein SAASoti with Unique Photochemical Properties. 2019 , 20,	4
195	Imaging, Visualization, and Computation in Developmental Biology. 2019 , 2, 223-251	5
194	Phase Separation of Zonula Occludens Proteins Drives Formation of Tight Junctions. 2019 , 179, 923-936.e11	125
193	Ikzf1 regulates embryonic T lymphopoiesis via Ccr9 and Irf4 in zebrafish. 2019 , 294, 16152-16163	12
192	Single-molecule localization to study cytoskeletal structures, membrane complexes, and mechanosensors. 2019 , 11, 745-756	2
191	Intravital imaging of immune cells and their interactions with other cell types in the spinal cord: Experiments with multicolored moving cells. 2019 , 320, 112972	3
190	Plant Cell Morphogenesis. 2019 ,	
189	The Photoconvertible Fluorescent Protein Dendra2 Tag as a Tool to Investigate Intracellular Protein Dynamics. 2019 , 1992, 201-214	2
188	Interrogating Individual Autoreactive Germinal Centers by Photoactivation in a Mixed Chimeric Model of Autoimmunity. 2019 ,	2
187	Optical Imaging Approaches to Monitor Static and Dynamic Cell-on-Chip Platforms: A Tutorial Review. 2019 , 15, e1900737	18
186	CUL7 E3 Ubiquitin Ligase Mediates the Degradation of Activation-Induced Cytidine Deaminase and Regulates the Ig Class Switch Recombination in B Lymphocytes. 2019 , 203, 269-281	8
185	Tracking Germline Stem Cell Dynamics In Vivo in C. elegans Using Photoconversion. 2020 , 2150, 11-23	1
184	Live-Cell Super-resolution Fluorescence Microscopy. 2019 , 84, S19-S31	3
183	A modular degron library for synthetic circuits in mammalian cells. 2019 , 10, 2013	22
182	A modular toolset of phiC31-based fluorescent protein tagging vectors for. 2019 , 13, 29-41	2
181	The synaptic balance between sumoylation and desumoylation is maintained by the activation of metabotropic mGlu5 receptors. 2019 , 76, 3019-3031	12
180	Avian Primordial Germ Cells Contribute to and Interact With the Extracellular Matrix During Early Migration. 2019 , 7, 35	11
179	Intravital imaging of glioma border morphology reveals distinctive cellular dynamics and contribution to tumor cell invasion. 2019 , 9, 2054	42

178	Enzymatic Labeling of Bacterial Proteins for Super-resolution Imaging in Live Cells. 2019 , 5, 1911-1919	16
177	Intravital Imaging Techniques for Biomedical and Clinical Research. 2020 , 97, 448-457	21
176	Dynamics of Free and Chromatin-Bound Histone H3 during Early Embryogenesis. 2019 , 29, 359-366.e4	18
175	Dual Illumination Enhances Transformation of an Engineered Green-to-Red Photoconvertible Fluorescent Protein. 2020 , 132, 1661-1669	1
174	Dual Illumination Enhances Transformation of an Engineered Green-to-Red Photoconvertible Fluorescent Protein. 2020 , 59, 1644-1652	11
173	Macropinocytosis-mediated membrane recycling drives neural crest migration by delivering F-actin to the lamellipodium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 27400-27411	11.5 10
172	Orderly compartmental mapping of premotor inhibition in the developing zebrafish spinal cord. 2020 , 370, 431-436	7
171	Gateway-compatible vectors for functional analysis of proteins in cell type specific manner. 2020 , 16, 93	1
170	Establishing Live-Cell Single-Molecule Localization Microscopy Imaging and Single-Particle Tracking in the Archaeon. 2020 , 11, 583010	7
169	Fasnall Induces Atypically Transient Stress Granules Independently of FASN Inhibition. 2020 , 23, 101550	5
168	Hematogenous Dissemination of Breast Cancer Cells From Lymph Nodes Is Mediated by Tumor MicroEnvironment of Metastasis Doorways. 2020 , 10, 571100	9
167	A General Mechanism of Green-to-Red Photoconversions of GFP. 2020 , 7, 176	2
166	Differential Histone Distribution Patterns in Induced Asymmetrically Dividing Mouse Embryonic Stem Cells. <i>Cell Reports</i> , 2020 , 32, 108003	10.6 14
165	Endosidin 2 accelerates PIN2 endocytosis and disturbs intracellular trafficking of PIN2, PIN3, and PIN4 but not of SYT1. 2020 , 15, e0237448	1
164	Bacterial Vivisection: How Fluorescence-Based Imaging Techniques Shed a Light on the Inner Workings of Bacteria. 2020 , 84,	7
163	Engineering Photosensory Modules of Non-Opisn-Based Optogenetic Actuators. 2020 , 21,	7
162	Tauopathy-associated tau modifications selectively impact neurodegeneration and mitophagy in a novel <i>C. elegans</i> single-copy transgenic model. 2020 , 15, 65	17
161	A GoldenBraid cloning system for synthetic biology in social amoebae. 2020 , 48, 4139-4146	3

160	In Vivo Quantification of Protein Turnover in Aging C. Elegans using Photoconvertible Dendra2. 2020 ,		1
159	Vasopressin receptor 2 mutations in the nephrogenic syndrome of inappropriate antidiuresis show different mechanisms of constitutive activation for G protein coupled receptors. 2020 , 10, 9111		2
158	Sea as a color palette: the ecology and evolution of fluorescence. 2020 , 6, 9		6
157	Photoconvertible diazaxanthilidene dyes for live cell imaging. 2020 , 639, 379-388		1
156	Reversibly Switchable Fluorescent Proteins for RESOLFT Nanoscopy. 2020 , 241-261		5
155	Spatial filter and its application in three-dimensional single molecule localization microscopy. <i>Methods and Applications in Fluorescence</i> , 2020 , 8, 025008	3.1	2
154	Experimental toolbox for quantitative evaluation of clathrin-mediated endocytosis in the plant model. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	7
153	CRISPR-Cas9-mediated labelling of the C-terminus of human laminin α leads to secretion inhibition. 2020 , 13, 90		0
152	A comprehensive dataset of image sequences covering 20 fluorescent protein labels and 12 imaging conditions for use in super-resolution imaging. 2020 , 29, 105273		2
151	A biphasic growth model for cell pole elongation in mycobacteria. 2020 , 11, 452		12
150	Precise timing of transcription by c-di-GMP coordinates cell cycle and morphogenesis in <i>Caulobacter</i> . 2020 , 11, 816		18
149	Photoactivatable fluorescent probes for spatiotemporal-controlled biosensing and imaging. 2020 , 125, 115811		22
148	N-terminal acetylation mutants affect alpha-synuclein stability, protein levels and neuronal toxicity. 2020 , 137, 104781		14
147	Detection of Rare Objects by Flow Cytometry: Imaging, Cell Sorting, and Deep Learning Approaches. 2020 , 21,		13
146	Chronic imaging of mitochondria in the murine cerebral vasculature using in vivo two-photon microscopy. 2020 , 318, H1379-H1386		1
145	Labeling and tracking of immune cells in ex vivo human skin. 2021 , 16, 791-811		1
144	Super-resolution imaging of bacterial pathogens and visualization of their secreted effectors. 2021 , 45,		5
143	Fate Mapping of Cancer Cells in Metastatic Lymph Nodes Using Photoconvertible Proteins. 2021 , 2265, 363-376		0

142	In vivo assay and modelling of protein and mitochondrial turnover during aging. 2021 , 15, 60-72	1
141	Fluorescent proteins of the EosFP clade: intriguing marker tools with multiple photoactivation modes for advanced microscopy. 2021 , 2, 796-814	1
140	Multiplexed optical barcoding of cells photochemical programming of bioorthogonal host-guest recognition. 2021 , 12, 5484-5494	0
139	The inflammatory kinase IKK β phosphorylates and stabilizes c-Myc and enhances its activity. 2021 , 20, 16	5
138	Multi-Modal Multi-Spectral Intravital Microscopic Imaging of Signaling Dynamics in Real-Time during Tumor-Immune Interactions. 2021 , 10,	1
137	Phosphatidylinositol-3 kinase signaling controls survival and stemness of hematopoietic stem and progenitor cells. 2021 , 40, 2741-2755	1
136	Clonal analysis and dynamic imaging identify multipotency of individual Gallus gallus caudal hindbrain neural crest cells toward cardiac and enteric fates. 2021 , 12, 1894	2
135	A Mycobacterial Systems Resource for the Research Community. 2021 , 12,	5
134	Dynamics of the Bacillus subtilis Min System. 2021 , 12,	6
133	Specific expression of in phloem companion cells suggests its role in iron translocation in aboveground plant organs. 2021 , 16, 1925020	1
132	Modeling Virus-Induced Inflammation in Zebrafish: A Balance Between Infection Control and Excessive Inflammation. <i>Frontiers in Immunology</i> , 2021 , 12, 636623	8.4 5
131	Breast Cancer Cell Re-Dissemination from Lung Metastases-A Mechanism for Enhancing Metastatic Burden. 2021 , 10,	3
130	Tracking the fate and migration of cells in live animals with cell-cycle indicators and photoconvertible proteins. 2021 , 355, 109127	2
129	Disruption of the Interfacial Membrane Leads to Effector Re-location and Lifestyle Switch During Rice Blast Disease. 2021 , 9, 681734	1
128	How Single-Molecule Localization Microscopy Expanded Our Mechanistic Understanding of RNA Polymerase II Transcription. 2021 , 22,	1
127	Unconventional tonicity-regulated nuclear trafficking of NFAT5 mediated by KPNB1, XPOT and RUVBL2.	
126	Accessing Mitochondrial Protein Import in Living Cells by Protein Microinjection. 2021 , 9, 698658	0
125	Reconstructing single-cell karyotype alterations in colorectal cancer identifies punctuated and gradual diversification patterns. 2021 , 53, 1187-1195	6

124	Resveratrol and related stilbene derivatives induce stress granules with distinct clearance kinetics. 2021 , 32, ar18	1
123	Single-molecule tracking technologies for quantifying the dynamics of gene regulation in cells, tissue and embryos. 2021 , 148,	4
122	Diffraction-Unlimited Photomanipulation at the Plasma Membrane via Specifically Targeted Upconversion Nanoparticles. 2021 , 21, 8025-8034	2
121	Global proteomics of Ubqln2-based murine models of ALS. 2021 , 296, 100153	7
120	Photodynamic studies reveal rapid formation and appreciable turnover of tau inclusions. 2021 , 141, 359-381	5
119	Harnessing the power of fluorescence to characterize biomolecular condensates. 2021 , 1-47	0
118	Single-Molecule Imaging in Live Cells. 2009 , 43	6
117	Fluorescence Imaging at Sub-Diffraction-Limit Resolution with Stochastic Optical Reconstruction Microscopy. 2009 , 95	5
116	In vivo cell tracking using PhOTO zebrafish. 2014 , 1148, 217-28	9
115	Monitoring of rhodopsin trafficking and mistrafficking in live photoreceptors. 2015 , 1271, 293-307	6
114	Photoconvertible fluorescent protein-based live imaging of mitochondrial fusion. 2015 , 1313, 237-46	3
113	A Review of Fluorescent Proteins for Use in Yeast. 2016 , 1369, 309-46	9
112	Imaging cellular and molecular dynamics in live embryos using fluorescent proteins. 2008 , 420, 219-38	35
111	Photoactivated Localization Microscopy for Cellular Imaging. 2014 , 87-111	1
110	Complex Diffusion in Bacteria. 2020 , 1267, 15-43	2
109	Fluorescence and labelling: how to choose and what to do. 2014 , 105, 1-24	5
108	Seeing Is Believing: Noninvasive Microscopic Imaging Modalities for Tissue Engineering and Regenerative Medicine. 2020 , 599-638	4
107	Fluorescence-Based Methods for the Study of Protein Localization, Interaction, and Dynamics in Filamentous Fungi. 2015 , 27-46	1

106	Photophysics and Spectroscopy of Fluorophores in the Green Fluorescent Protein Family. 2010 , 347-383	12
105	Generating Diversity and Specificity through Developmental Cell Signaling. 2015 , 3-36	1
104	Quantitative photoconversion analysis of internal molecular dynamics in stress granules and other membraneless organelles in live cells. 2020 , 1, 100217	4
103	Disruption of the interfacial membrane leads to Magnaporthe oryzae effector re-location and lifestyle switch during rice blast disease.	2
102	Alzheimer's disease-relevant tau modifications selectively impact neurodegeneration and mitophagy in a novel C. elegans single-copy transgenic model.	1
101	Global proteomics of Ubqln2-based murine models of ALS.	0
100	Establishing live-cell single-molecule localization microscopy imaging and single-particle tracking in the archaeon Haloferax volcanii.	1
99	Precise transcription timing by a second-messenger drives a bacterial G1/S cell cycle transition.	5
98	SOFI evaluator: a strategy for the quantitative quality assessment of SOFI data. 2020 , 11, 636-648	10
97	Respiratory chain complexes in dynamic mitochondria display a patchy distribution in live cells. 2010 , 5, e11910	63
96	Intercellular bridges in vertebrate gastrulation. 2011 , 6, e20230	61
95	Assessing the utility of photoswitchable fluorescent proteins for tracking intercellular protein movement in the Arabidopsis root. 2011 , 6, e27536	25
94	PHOTO zebrafish: a transgenic resource for in vivo lineage tracing during development and regeneration. 2012 , 7, e32888	38
93	Live imaging of mitochondria and hydrogenosomes by HaloTag technology. 2012 , 7, e36314	19
92	Intravital FRET imaging of tumor cell viability and mitosis during chemotherapy. 2013 , 8, e64029	48
91	Tracking single cells in live animals using a photoconvertible near-infrared cell membrane label. 2013 , 8, e69257	44
90	Computational Design of the β -Sheet Surface of a Red Fluorescent Protein Allows Control of Protein Oligomerization. 2015 , 10, e0130582	9
89	Green-to-Red Photoconversion of GCaMP. 2015 , 10, e0138127	16

88	High resolution measurement of membrane receptor endocytosis. 2018 , 5, e105	1
87	Oxidative stress plays an important role in zoledronic acid-induced autophagy. 2014 , 63, S601-12	15
86	Sox10-dependent neural crest origin of olfactory microvillous neurons in zebrafish. 2013 , 2, e00336	35
85	The postsynaptic t-SNARE Syntaxin 4 controls traffic of Neuroligin 1 and Synaptotagmin 4 to regulate retrograde signaling. 2016 , 5,	24
84	Boundary cells restrict dystroglycan trafficking to control basement membrane sliding during tissue remodeling. 2016 , 5,	7
83	mRNA localises to the oocyte anterior by random Dynein-mediated transport and anchoring. 2016 , 5,	27
82	Developmentally regulated H2Av buffering via dynamic sequestration to lipid droplets in embryos. 2018 , 7,	22
81	Neurofascin and Kv7.3 are delivered to somatic and axon terminal surface membranes en route to the axon initial segment. 2020 , 9,	1
80	Generation of knock-in lampreys by CRISPR-Cas9-mediated genome engineering. 2021 , 11, 19836	
79	Tracking distinct microglia subpopulations with photoconvertible Dendra2 in vivo. 2021 , 18, 235	1
78	Imaging of HIV/host protein interactions. 2009 , 339, 103-23	4
77	High-Resolution Approaches to Studying Presynaptic Vesicle Dynamics Using Variants of Frap and Electron Microscopy. 2012 , 247-273	
76	Exploring Mechanisms of Synaptic Plasticity Using Exogenous Expression of Proteins at the Sensory-to-Motor Neuron Synapse of Aplysia. 2013 , 61-91	
75	Functional Imaging Based on Molecular Control. 267-325	
74	Photo-Convertible Reporters for Selective Visualization of Subcellular Events and Interactions. 2014 , 431-453	
73	Super- resolution imaging with stochastic optical reconstruction microscopy (STORM) and photoactivated localization microscopy (PALM). 2014 , 74-97	
72	Super-Resolution Imaging with Single-Molecule Localization. 2014 , 412-429	
71	Laurdan Identities Different Lipid Membranes in Eukaryotic Cells. 2014 , 304-325	

70	Multiphoton Fluorescence Light Microscopy. 1-8	1
69	Cell-to-cell spread of microsporidia causes <i>C. elegans</i> organs to form syncytia.	1
68	Continuous addition of progenitors forms the cardiac ventricle in zebrafish.	
67	DISC1 regulates N-Methyl-D-Aspartate receptor dynamics: Abnormalities induced by a Disc1 mutation modelling a translocation linked to major mental illness.	
66	Phase separation of zonula occludens proteins drives formation of tight junctions.	1
65	SOFIevaluator: a strategy for the quantitative quality assessment of SOFI data.	
64	PHOTO zebrafish and primed conversion: advancing the mechanistic view of development and disease. 2020 , 309-322	
63	Seeing Is Believing: Noninvasive Microscopic Imaging Modalities for Tissue Engineering and Regenerative Medicine. 2020 , 1-41	
62	Dynamics of the <i>Bacillus subtilis</i> Min system.	
61	Tracking the subcellular protein localization process by combining the time-gated method and photoconvertible fluorescence protein. 2020 , 32, 27-30	
60	Primed Track: Reliable Volumetric Single-cell Tracking and Lineage Tracing of Living Specimen with Dual-labeling Approaches. 2020 , 10, e3645	
59	Ubiquitin ligases and a processive proteasome facilitate protein clearance during the oocyte-to-embryo transition in <i>Caenorhabditis elegans</i> .	
58	Phosphatidylinositol-3 kinase activity controls survival and stemness of zebrafish hematopoietic stem/progenitor cells.	
57	Tracking of centriole inheritance in. 2020 , 2020,	
56	Efficient and error-free fluorescent gene tagging in human organoids without double-strand DNA cleavage.. 2022 , 20, e3001527	1
55	The emergence of molecular systems neuroscience.. 2022 , 15, 7	1
54	Transcription factor dynamics in plants: insights and technologies for in vivo imaging.. 2022 ,	
53	USP10 regulates B cell response to SARS-CoV-2 or HIV-1 nanoparticle vaccines through deubiquitinating AID.. 2022 , 7, 7	4

52	Imaging minimal bacteria at the nanoscale: a reliable and versatile process to perform Single Molecule Localization Microscopy in mycoplasmas.		0
51	Cetylpyridinium chloride (CPC) reduces zebrafish mortality from influenza infection: Super-resolution microscopy reveals CPC interference with multiple protein interactions with phosphatidylinositol 4,5-bisphosphate in immune function.. 2022 , 440, 115913		2
50	Spatiotemporal localization of proteins in mycobacteria.. <i>Cell Reports</i> , 2021 , 37, 110154	10.6	2
49	MAPK signaling and a mobile scaffold complex regulate AMPA receptor transport to modulate synaptic strength.. <i>Cell Reports</i> , 2022 , 38, 110577	10.6	0
48	Localization-based super-resolution microscopy reveals relationship between SARS-CoV2 spike and phosphatidylinositol (4,5): biphosphate. 2022 ,		
47	Ubiquitin ligases and a processive proteasome facilitate protein clearance during the oocyte-to-embryo transition in <i>Caenorhabditis elegans</i> .. 2022 ,		2
46	Image_1.TIFF. 2019 ,		
45	Image_2.TIFF. 2019 ,		
44	Image_3.TIFF. 2019 ,		
43	Image_4.TIFF. 2019 ,		
42	Image_5.TIFF. 2019 ,		
41	Table_1.XLSX. 2019 ,		
40	Table_2.XLSX. 2019 ,		
39	Video_1.MOV. 2019 ,		
38	Video_2.MOV. 2019 ,		
37	Video_3.MOV. 2019 ,		
36	Video_4.MOV. 2019 ,		
35	Video_5.MOV. 2019 ,		

34 Video_6.MOV. **2019**,

33 Video_7.MOV. **2019**,

32 Video_8.MOV. **2019**,

31 image_1.tif. **2018**,

30 image_2.tif. **2018**,

29 image_3.tif. **2018**,

28 table_1.docx. **2018**,

27 Data_Sheet_1.pdf. **2020**,

26 Image_1.tif. **2020**,

25 Structural Determinants of Blue to Red Fluorescent Protein Conversion. *Transactions of the Kansas Academy of Science*, **2022**, 125, 0.2

24 A Novel Egg-In-Cube System Enables Long-Term Culture and Dynamic Imaging of Early Embryonic Development. *Frontiers in Physiology*, **2022**, 13, 4.6

23 Ds-SiFi: A Photo-Conversion-Based Approach to Quantify the Effective Diffusivity of Biomolecules <i>in vivo</i>. *SSRN Electronic Journal*, 1

22 Unconventional tonicity-regulated nuclear trafficking of NFAT5 mediated by KPNB1, XPOT and RUVBL2. *Journal of Cell Science*, 5.3

21 The Olfactory Organ Is a Unique Site for Neutrophils in the Brain. *Frontiers in Immunology*, **2022**, 13, 8.4 1

20 Transgenic mice encoding modern imaging probes: Properties and applications. *Cell Reports*, **2022**, 39, 110845 10.6 1

19 Imaging Minimal Bacteria at the Nanoscale: a Reliable and Versatile Process to Perform Single-Molecule Localization Microscopy in Mycoplasmas. *Microbiology Spectrum*, 8.9 1

18 Protein Mobility Measurements through Oxidative Green-to-Red Photoconversion of EGFP. *Journal of Physical Chemistry B*, 3.4

17 Genetically encodable fluorescent protein markers in advanced optical imaging. *Methods and Applications in Fluorescence*, 3.1 0

16	Indirect CRISPR screening with photoconversion revealed key factors of drug resistance with cell-cell interactions.		
15	Self-construction of actin networks through phase separation-induced abLIM1 condensates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, 11511	11.5	1
14	A doxycycline- and light-inducible Cre recombinase mouse model for optogenetic genome editing. 2022 , 13,		0
13	Genetically engineered zebrafish as models of skeletal development and regeneration. 2022 , 116611		0
12	Dynamics and Patterning of 5-Hydroxytryptamine 2 Subtype Receptors in JC Polyomavirus Entry. 2022 , 14, 2597		0
11	Strategies and experimental tips for optimized quantitative single-molecule studies of membrane and membrane-associated proteins.		0
10	Novel biphotoswitchable forms of photoconvertible fluorescent proteins SAASoti: the role of the correlated motion(s) of the chromophore.		0
9	Choosing the Right Fluorescent Probe. 2022 ,		0
8	Tuning Directed Photooxidation Induced Conversion of Pyrrole-based Styryl Coumarins Dual-Color Photoconverters.		0
7	Imaging the immune cell in immunotherapy. 2023 , 197-238		0
6	Quantitative Photoactivated Localization Microscopy of Membrane Receptor Oligomers. 2022 ,		0
5	Analysis of Mitochondrial Dynamics in Adult <i>Drosophila</i> Axons. 2023 , 2023, pdb.top107819		0
4	Chemical inhibition of mitochondrial fission via targeting the DRP1-receptor interaction. 2023 , 30, 278-294.e110		0
3	A live-cell platform to isolate phenotypically defined subpopulations for spatial multi-omic profiling.		0
2	Temporally and regionally distinct morphogenetic processes govern zebrafish caudal fin blood vessel network expansion. 2023 , 150,		0
1	Photochemical internalization of RNA. 2023 , 44, 62-68		0