

Clemens F Kaminski

List of Publications by Year in descending order

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267
papers

12,905
citations

23567

58
h-index

34986

98
g-index

301
all docs

301
docs citations

301
times ranked

15569
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in the Sensing and Treatment of Wound Biofilms. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	3
2	Advances in the Sensing and Treatment of Wound Biofilms. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	59
3	SARS-CoV-2 nucleocapsid protein adheres to replication organelles before viral assembly at the Golgi/ERGIC and lysosome-mediated egress. <i>Science Advances</i> , 2022, 8, eabl4895.	10.3	53
4	High-Resolution Refractive-Index Chip with Periodically Fine-Tuning Gratings for Tunable Virtual-Wavevector Spatial Frequency Shift Universal Super-Resolution Imaging. <i>Advanced Science</i> , 2022, 9, e2103835.	11.2	10
5	Nanofluidic Traps by Two-Photon Fabrication for Extended Detection of Single Macromolecules and Colloids in Solution. <i>ACS Applied Nano Materials</i> , 2022, 5, 1995-2005.	5.0	3
6	Label-Free Characterization of Amyloids and Alpha-Synuclein Polymorphs by Exploiting Their Intrinsic Fluorescence Property. <i>Analytical Chemistry</i> , 2022, 94, 5367-5374.	6.5	11
7	Tuning riboflavin derivatives for photodynamic inactivation of pathogens. <i>Scientific Reports</i> , 2022, 12, 6580.	3.3	11
8	Zn ²⁺ -antitrypsin polymers impose molecular filtration in the endoplasmic reticulum after undergoing phase transition to a solid state. <i>Science Advances</i> , 2022, 8, eabm2094.	10.3	15
9	Intracellular A β ²⁴² Aggregation Leads to Cellular Thermogenesis. <i>Journal of the American Chemical Society</i> , 2022, 144, 10034-10041.	13.7	16
10	Nanoscale Features of Tunable Bacterial Outer Membrane Models Revealed by Correlative Microscopy. <i>Langmuir</i> , 2022, 38, 8773-8782.	3.5	7
11	A method for the fast and photon-efficient analysis of time-domain fluorescence lifetime image data over large dynamic ranges. <i>Journal of Microscopy</i> , 2022, 287, 138-147.	1.8	2
12	Fluorescent Nanoparticles for Super-Resolution Imaging. <i>Chemical Reviews</i> , 2022, 122, 12495-12543.	47.7	82
13	Near-native state imaging by cryo-soft-X-ray tomography reveals remodelling of multiple cellular organelles during HSV-1 infection. <i>PLoS Pathogens</i> , 2022, 18, e1010629.	4.7	12
14	Protein Condensation, Cellular Organization, and Spatiotemporal Regulation of Cytoplasmic Properties. <i>Advanced Biology</i> , 2022, 6, .	2.5	4
15	Superresolving the kidney—a practical comparison of fluorescence nanoscopy of the glomerular filtration barrier. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 1203-1214.	3.7	10
16	Design of biologically active binary protein 2D materials. <i>Nature</i> , 2021, 589, 468-473.	27.8	85
17	Guided Assembly and Patterning of Intrinsically Fluorescent Amyloid Fibers with Long-Range Order. <i>Nano Letters</i> , 2021, 21, 938-945.	9.1	8
18	Calcium imaging analysis “how far have we come?”. <i>F1000Research</i> , 2021, 10, 258.	1.6	1

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19	Comparative Studies in the A30P and A53T α -Synuclein <i>C. elegans</i> Strains to Investigate the Molecular Origins of Parkinson's Disease. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 552549.	3.7	12
20	Revealing Nanomechanical Domains and Their Transient Behavior in Mixed-Halide Perovskite Films. <i>Advanced Functional Materials</i> , 2021, 31, 2100293.	14.9	23
21	Sea Cucumber-Derived Peptides Alleviate Oxidative Stress in Neuroblastoma Cells and Improve Survival in <i>C. elegans</i> Exposed to Neurotoxic Paraquat. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-14.	4.0	17
22	ML-SIM: universal reconstruction of structured illumination microscopy images using transfer learning. <i>Biomedical Optics Express</i> , 2021, 12, 2720.	2.9	42
23	Chip-compatible wide-field 3D nanoscopy through tunable spatial frequency shift effect. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	5.1	5
24	Calcium imaging analysis – how far have we come?. <i>F1000Research</i> , 2021, 10, 258.	1.6	12
25	$\langle \text{scp} \rangle$ EAP45 $\langle /scp \rangle$ association with budding $\langle \text{scp} \rangle$ HIV $\langle /scp \rangle$: Kinetics and domain requirements. <i>Traffic</i> , 2021, 22, 439-453.	2.7	2
26	Advances in the study of organelle interactions and their role in neurodegenerative diseases enabled by super-resolution microscopy. <i>Neurobiology of Disease</i> , 2021, 159, 105475.	4.4	5
27	OptoGenie: an open-source device for the optogenetic stimulation of cells. <i>Journal of Open Hardware</i> , 2021, 5, .	0.5	0
28	A fluorescent reporter system enables spatiotemporal analysis of host cell modification during herpes simplex virus-1 replication. <i>Journal of Biological Chemistry</i> , 2021, 296, 100236.	3.4	23
29	Observation of an α -synuclein liquid droplet state and its maturation into Lewy body-like assemblies. <i>Journal of Molecular Cell Biology</i> , 2021, 13, 282-294.	3.3	65
30	Improved RAD51 binders through motif shuffling based on the modularity of BRC repeats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	12
31	Neuronal Activity Drives Astroglial Connexin 30 in Perisynaptic Processes and Shapes Its Functions. <i>Cerebral Cortex</i> , 2020, 30, 753-766.	2.9	15
32	Advanced fluorescence imaging of in situ protein aggregation. <i>Physical Biology</i> , 2020, 17, 021001.	1.8	16
33	Converting lateral scanning into axial focusing to speed up three-dimensional microscopy. <i>Light: Science and Applications</i> , 2020, 9, 165.	16.6	31
34	The structure and global distribution of the endoplasmic reticulum network are actively regulated by lysosomes. <i>Science Advances</i> , 2020, 6, .	10.3	58
35	Contextual Flexibility in <i>Pseudomonas aeruginosa</i> Central Carbon Metabolism during Growth in Single Carbon Sources. <i>MBio</i> , 2020, 11, .	4.1	57
36	Intramitochondrial proteostasis is directly coupled to α -synuclein and amyloid β 1-42 pathologies. <i>Journal of Biological Chemistry</i> , 2020, 295, 10138-10152.	3.4	22

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37	Design of a Functionalized Metal-Organic Framework System for Enhanced Targeted Delivery to Mitochondria. <i>Journal of the American Chemical Society</i> , 2020, 142, 6661-6674.	13.7	103
38	A waveguide imaging platform for live-cell TIRF imaging of neurons over large fields of view. <i>Journal of Biophotonics</i> , 2020, 13, e201960222.	2.3	13
39	High-throughput, multi-parametric, and correlative fluorescence lifetime imaging. <i>Methods and Applications in Fluorescence</i> , 2020, 8, 024005.	2.3	31
40	DNA Nanostructures for Targeted Antimicrobial Delivery. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12698-12702.	13.8	48
41	DNA Nanostructures for Targeted Antimicrobial Delivery. <i>Angewandte Chemie</i> , 2020, 132, 12798-12802.	2.0	15
42	Nano-vehicles give new lease of life to existing antimicrobials. <i>Emerging Topics in Life Sciences</i> , 2020, 4, 555-566.	2.6	9
43	Concepts for structured illumination microscopy with extended axial resolution through mirrored illumination. <i>Biomedical Optics Express</i> , 2020, 11, 2098.	2.9	16
44	Combining sample expansion and light sheet microscopy for the volumetric imaging of virus-infected cells with super-resolution. <i>Biomedical Optics Express</i> , 2020, 11, 5032.	2.9	11
45	Fast volumetric fluorescence imaging with multimode fibers. <i>Optics Letters</i> , 2020, 45, 4931.	3.3	17
46	Silica-based photonic crystal fiber for the generation of broad band UV radiation. <i>OSA Continuum</i> , 2020, 3, 31.	1.8	2
47	A Protocol for Single-Molecule Translation Imaging in <i>Xenopus</i> Retinal Ganglion Cells. <i>Neuromethods</i> , 2020, , 295-308.	0.3	0
48	Single Particle Trajectories Reveal Active Endoplasmic Reticulum Luminal Flow. <i>Biophysical Journal</i> , 2019, 116, 173a-174a.	0.5	0
49	Super-Resolution Microscopy: On-Chip Super-Resolution Imaging with Fluorescent Polymer Films (Adv.) <i>Tj ETQq1 1 0,784314,rgBT /O</i>	14.9	4
50	A Highly Porous Metal-Organic Framework System to Deliver Payloads for Gene Knockdown. <i>Chem</i> , 2019, 5, 2926-2941.	11.7	66
51	Scalable integration of nano-, and microfluidics with hybrid two-photon lithography. <i>Microsystems and Nanoengineering</i> , 2019, 5, 40.	7.0	45
52	Fast Fluorescence Lifetime Imaging Reveals the Aggregation Processes of α -Synuclein and Polyglutamine in Aging <i>Caenorhabditis elegans</i> . <i>ACS Chemical Biology</i> , 2019, 14, 1628-1636.	3.4	30
53	A concept for single-shot volumetric fluorescence imaging via orthogonally polarized excitation lattices. <i>Scientific Reports</i> , 2019, 9, 6425.	3.3	4
54	Correlative AFM-FLIM Measurements in Living Cells, Tissues and in Solar Cell Materials. <i>Biophysical Journal</i> , 2019, 116, 327a.	0.5	0

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55	On-Chip Super-Resolution Imaging with Fluorescent Polymer Films. <i>Advanced Functional Materials</i> , 2019, 29, 1900126.	14.9	19
56	DNA Origami as a Tool in the Targeted Destruction of Bacteria. <i>Biophysical Journal</i> , 2019, 116, 324a.	0.5	4
57	Optij: Open-source optical projection tomography of large organ samples. <i>Scientific Reports</i> , 2019, 9, 15693.	3.3	20
58	Carbon Dot-Silica Nanoparticle Composites for Ultralong Lifetime Phosphorescence Imaging in Tissue and Cells at Room Temperature. <i>Chemistry of Materials</i> , 2019, 31, 9887-9894.	6.7	137
59	On-Site Ribosome Remodeling by Locally Synthesized Ribosomal Proteins in Axons. <i>Cell Reports</i> , 2019, 29, 3605-3619.e10.	6.4	103
60	Live-cell super-resolution microscopy reveals a primary role for diffusion in polyglutamine-driven aggresome assembly. <i>Journal of Biological Chemistry</i> , 2019, 294, 257-268.	3.4	27
61	Structural progression of amyloid- β^2 Arctic mutant aggregation in cells revealed by multiparametric imaging. <i>Journal of Biological Chemistry</i> , 2019, 294, 1478-1487.	3.4	31
62	Supercontinuum radiation in fluorescence microscopy and biomedical imaging applications. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, A139.	2.1	58
63	Intrinsically aggregation-prone proteins form amyloid-like aggregates and contribute to tissue aging in <i>Caenorhabditis elegans</i> . <i>ELife</i> , 2019, 8, .	6.0	51
64	Receptor-specific interactome as a hub for rapid cue-induced selective translation in axons. <i>ELife</i> , 2019, 8, .	6.0	48
65	Label-free nanoscopy enabled by coherent imaging with photonic waveguides. , 2019, , .		0
66	Flat-Field Super-Resolution Localization Microscopy with a Low-Cost Refractive Beam-Shaping Element. <i>Scientific Reports</i> , 2018, 8, 5630.	3.3	27
67	FUS Phase Separation Is Modulated by a Molecular Chaperone and Methylation of Arginine Cation- π Interactions. <i>Cell</i> , 2018, 173, 720-734.e15.	28.9	662
68	Computer-aided discovery of a metal-organic framework with superior oxygen uptake. <i>Nature Communications</i> , 2018, 9, 1378.	12.8	136
69	C-terminal calcium binding of β -synuclein modulates synaptic vesicle interaction. <i>Nature Communications</i> , 2018, 9, 712.	12.8	223
70	Biophotonics of Native Silk Fibrils. <i>Macromolecular Bioscience</i> , 2018, 18, e1700295.	4.1	31
71	Simultaneous AFM and FLIM Imaging with a SiR-DNA Probe Reveals Structural Changes during DNA Condensation in Live Cell Nuclei. <i>Biophysical Journal</i> , 2018, 114, 596a.	0.5	0
72	Total internal reflection fluorescence anisotropy imaging microscopy: setup, calibration, and data processing for protein polymerization measurements in living cells. <i>Methods and Applications in Fluorescence</i> , 2018, 6, 014004.	2.3	14

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73	Single Molecule Translation Imaging of Local Protein Synthesis and RNA Docking Reveals the Regulation of Site Specific Axon Remodeling In Vivo. <i>Biophysical Journal</i> , 2018, 114, 153a.	0.5	0
74	Single particle trajectories reveal active endoplasmic reticulum luminal flow. <i>Nature Cell Biology</i> , 2018, 20, 1118-1125.	10.3	86
75	Probing the Growth Kinetics for the Formation of Uniform 1D Block Copolymer Nanoparticles by Living Crystallization-Driven Self-Assembly. <i>ACS Nano</i> , 2018, 12, 8920-8933.	14.6	60
76	Live Cell STED-AFM Analysis Correlates Cytoskeletal Structure Remodelling and Membrane Physical Properties during Polarized Migration in Astrocytes. <i>Biophysical Journal</i> , 2018, 114, 386a.	0.5	0
77	Opal-like Multicolor Appearance of Self-Assembled Photonic Array. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 20783-20789.	8.0	17
78	2-Photon Lithography for Nanofluidic Lab-on-Chip Devices. <i>Biophysical Journal</i> , 2018, 114, 689a.	0.5	0
79	Homographically generated light sheets for the microscopy of large specimens. <i>Optics Letters</i> , 2018, 43, 663.	3.3	2
80	Different Structural Conformers of Monomeric α -Synuclein Identified after Lyophilizing and Freezing. <i>Analytical Chemistry</i> , 2018, 90, 6975-6983.	6.5	27
81	Structured illumination microscopy combined with machine learning enables the high throughput analysis and classification of virus structure. <i>ELife</i> , 2018, 7, .	6.0	20
82	A new online tool for visualization of volumetric data. <i>Nature Photonics</i> , 2017, 11, 69-69.	31.4	8
83	Super-resolution imaging of alpha-synuclein polymorphisms and their potential role in neurodegeneration. <i>Integrative Biology (United Kingdom)</i> , 2017, 9, 206-210.	1.3	7
84	α -Synuclein – Regulator of Exocytosis, Endocytosis, or Both?. <i>Trends in Cell Biology</i> , 2017, 27, 468-479.	7.9	110
85	Acceleration of α -synuclein aggregation. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2017, 24, 20-21.	3.0	4
86	Temperature Treatment of Highly Porous Zirconium-Containing Metal-Organic Frameworks Extends Drug Delivery Release. <i>Journal of the American Chemical Society</i> , 2017, 139, 7522-7532.	13.7	269
87	Secondary nucleation of monomers on fibril surface dominates α -synuclein aggregation and provides autocatalytic amyloid amplification. <i>Quarterly Reviews of Biophysics</i> , 2017, 50, e6.	5.7	183
88	Single Molecule Translation Imaging Visualizes the Dynamics of Local β -Actin Synthesis in Retinal Axons. <i>Scientific Reports</i> , 2017, 7, 709.	3.3	53
89	Fluorescence Self-Quenching from Reporter Dyes Informs on the Structural Properties of Amyloid Clusters Formed In Vitro and in Cells. <i>Nano Letters</i> , 2017, 17, 143-149.	9.1	55
90	Investigating State Restriction in Fluorescent Protein FRET Using Time-Resolved Fluorescence and Anisotropy. <i>Journal of Physical Chemistry C</i> , 2017, 121, 1507-1514.	3.1	9

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91	Quantitative Affinity Determination by Fluorescence Anisotropy Measurements of Individual Nanoliter Droplets. <i>Analytical Chemistry</i> , 2017, 89, 1092-1101.	6.5	27
92	Imaging β 2-microglobulin fibril elongation reveals strongly polarised growth and growth incompetent states. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 27987-27996.	2.8	57
93	RNA Docking and Local Translation Regulate Site-Specific Axon Remodeling In Vivo. <i>Neuron</i> , 2017, 95, 852-868.e8.	8.1	163
94	TriPer, an optical probe tuned to the endoplasmic reticulum tracks changes in luminal H ₂ O ₂ . <i>BMC Biology</i> , 2017, 15, 24.	3.8	35
95	Tomographic absorption spectroscopy for the study of gas dynamics and reactive flows. <i>Progress in Energy and Combustion Science</i> , 2017, 59, 1-31.	31.2	203
96	Speed limits of structured illumination microscopy. <i>Optics Letters</i> , 2017, 42, 2511.	3.3	40
97	Correlative STED and Atomic Force Microscopy on Live Astrocytes Reveals Plasticity of Cytoskeletal Structure and Membrane Physical Properties during Polarized Migration. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 104.	3.7	49
98	Nanoscale click-reactive scaffolds from peptide self-assembly. <i>Journal of Nanobiotechnology</i> , 2017, 15, 70.	9.1	11
99	Increasing Acquisition Speeds in Structured Illumination Microscopy and its Limits. , 2017, , .		0
100	Introduction to "Sensors in technology and nature"™. <i>Interface Focus</i> , 2016, 6, 20160034.	3.0	0
101	Frontiers in structured illumination microscopy. <i>Optica</i> , 2016, 3, 667.	9.3	110
102	From single-molecule spectroscopy to super-resolution imaging of the neuron: a review. <i>Methods and Applications in Fluorescence</i> , 2016, 4, 022004.	2.3	19
103	Structural basis of synaptic vesicle assembly promoted by α -synuclein. <i>Nature Communications</i> , 2016, 7, 12563.	12.8	203
104	Super-resolution fluorescence imaging of the seeding and polymerization of the huntingtin exon 1 protein. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, A11.1-A11.	1.9	0
105	Kinetics of Amyloid Fibril Self-Assembly by Direct Observation of Elongation. <i>Biophysical Journal</i> , 2016, 110, 38a.	0.5	1
106	HSV-1 Glycoproteins Are Delivered to Virus Assembly Sites Through Dynamin-Dependent Endocytosis. <i>Traffic</i> , 2016, 17, 21-39.	2.7	63
107	Development of an open technology sensor suite for assisted living: a student-led research project. <i>Interface Focus</i> , 2016, 6, 20160018.	3.0	3
108	Probing amyloid protein aggregation with optical superresolution methods: from the test tube to models of disease. <i>Neurophotonics</i> , 2016, 3, 041807.	3.3	36

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109	De novo design of a biologically active amyloid. <i>Science</i> , 2016, 354, .	12.6	63
110	A Guide to Structured Illumination TIRF Microscopy at High Speed with Multiple Colors. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	84
111	Proton Transfer and Structure-Specific Fluorescence in Hydrogen Bond-Rich Protein Structures. <i>Journal of the American Chemical Society</i> , 2016, 138, 3046-3057.	13.7	182
112	Nanoscope insights into seeding mechanisms and toxicity of β -synuclein species in neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3815-3819.	7.1	63
113	Optical Super-Resolution Imaging of β -Amyloid Aggregation In Vitro and In Vivo: Method and Techniques. <i>Methods in Molecular Biology</i> , 2016, 1303, 125-141.	0.9	21
114	Tomographic absorption spectroscopy based on wavelength modulation and multi-harmonic detections. , 2016, , .		0
115	In Situ Visualization of Block Copolymer Self-Assembly in Organic Media by Super-Resolution Fluorescence Microscopy. <i>Chemistry - A European Journal</i> , 2015, 21, 18539-18542.	3.3	48
116	Introduction for bioinspiration. <i>Interface Focus</i> , 2015, 5, 20150052.	3.0	3
117	A joint Richardson-Lucy deconvolution algorithm for the reconstruction of multifocal structured illumination microscopy data. <i>Methods and Applications in Fluorescence</i> , 2015, 3, 014002.	2.3	67
118	Super-resolution fluorescent methods: where next for super-resolution?. <i>Methods and Applications in Fluorescence</i> , 2015, 3, 030201.	2.3	1
119	Structural analysis of herpes simplex virus by optical super-resolution imaging. <i>Nature Communications</i> , 2015, 6, 5980.	12.8	125
120	A numerical investigation of high-resolution multispectral absorption tomography for flow thermometry. <i>Applied Physics B: Lasers and Optics</i> , 2015, 119, 29-35.	2.2	25
121	Retarded PDI diffusion and a reductive shift in poise of the calcium depleted endoplasmic reticulum. <i>BMC Biology</i> , 2015, 13, 2.	3.8	39
122	Stimulated emission depletion microscopy to study amyloid fibril formation. , 2015, , .		8
123	Fast imaging of live organisms with sculpted light sheets. <i>Scientific Reports</i> , 2015, 5, 9385.	3.3	22
124	A Method to Quantify FRET Stoichiometry with Phasor Plot Analysis and Acceptor Lifetime Ingrowth. <i>Biophysical Journal</i> , 2015, 108, 999-1002.	0.5	21
125	CYK4 Promotes Antiparallel Microtubule Bundling by Optimizing MKLP1 Neck Conformation. <i>PLoS Biology</i> , 2015, 13, e1002121.	5.6	37
126	Visualizing Electromagnetic Fields at the Nanoscale by Single Molecule Localization. <i>Nano Letters</i> , 2015, 15, 3217-3223.	9.1	15

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127	Fast and simple spectral FLIM for biochemical and medical imaging. Optics Express, 2015, 23, 23511.	3.4	34
128	Two distinct β -sheet structures in Italian-mutant amyloid-beta fibrils: a potential link to different clinical phenotypes. Cellular and Molecular Life Sciences, 2015, 72, 4899-4913.	5.4	26
129	ALS/FTD Mutation-Induced Phase Transition of FUS Liquid Droplets and Reversible Hydrogels into Irreversible Hydrogels Impairs RNP Granule Function. Neuron, 2015, 88, 678-690.	8.1	716
130	Visualisation of plasmonic fields at the nanoscale with single molecule localisation microscopy. Proceedings of SPIE, 2015, , .	0.8	0
131	Analyzing Receptor Assemblies in the Cell Membrane Using Fluorescence Anisotropy Imaging with TIRF Microscopy. PLoS ONE, 2014, 9, e100526.	2.5	15
132	Extracellular Monomeric Tau Protein Is Sufficient to Initiate the Spread of Tau Protein Pathology. Journal of Biological Chemistry, 2014, 289, 956-967.	3.4	153
133	TestSTORM: Simulator for optimizing sample labeling and image acquisition in localization based super-resolution microscopy. Biomedical Optics Express, 2014, 5, 778.	2.9	33
134	Multiplexed absorption tomography with calibration-free wavelength modulation spectroscopy. Applied Physics Letters, 2014, 104, .	3.3	58
135	A Quantitative Protocol for Intensity-Based Live Cell FRET Imaging. Methods in Molecular Biology, 2014, 1076, 445-454.	0.9	19
136	A tomographic technique for the simultaneous imaging of temperature, chemical species, and pressure in reactive flows using absorption spectroscopy with frequency-agile lasers. Applied Physics Letters, 2014, 104, .	3.3	67
137	Probing Amyloid Aggregation and Morphology In Situ by Multiparameter Imaging and Super-Resolution Fluorescence Microscopy. , 2014, , 105-120.		5
138	Direct Observation of Heterogeneous Amyloid Fibril Growth Kinetics via Two-Color Super-Resolution Microscopy. Nano Letters, 2014, 14, 339-345.	9.1	159
139	Structure-Specific Intrinsic Fluorescence of Protein Amyloids Used to Study their Kinetics of Aggregation. , 2014, , 147-155.		24
140	Highly potent soluble amyloid- β seeds in human Alzheimer brain but not cerebrospinal fluid. Brain, 2014, 137, 2909-2915.	7.6	61
141	Direct Observations of Amyloid β Self-Assembly in Live Cells Provide Insights into Differences in the Kinetics of $A\beta(1-40)$ and $A\beta(1-42)$ Aggregation. Chemistry and Biology, 2014, 21, 732-742.	6.0	111
142	P3-050: EXTRACELLULAR MONOMERIC TAU IS SUFFICIENT TO INITIATE THE SPREAD OF TAU PATHOLOGY. , 2014, 10, P646-P646.		0
143	Nanoscale imaging of neurotoxic proteins. Proceedings of SPIE, 2014, , .	0.8	1
144	Nonlinear Tomography: a New Imaging Concept. , 2014, , .		1

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145	Development of a Pressure Imaging Technique with Nonlinear Tomography for Flow Diagnostics. , 2014, , .		0
146	Nonlinear Tomography with Multiplexed Wavelength Modulation Spectroscopy in Harsh Combustion Environments. , 2014, , .		0
147	In situ studies of protein aggregation kinetics with multiparametric and superresolution imaging. Molecular Neurodegeneration, 2013, 8, O15.	10.8	0
148	High sensitivity liquid phase measurements using broadband cavity enhanced absorption spectroscopy (BBCEAS) featuring a low cost webcam based prism spectrometer. Analyst, The, 2013, 138, 6372.	3.5	14
149	Protein amyloids develop an intrinsic fluorescence signature during aggregation. Analyst, The, 2013, 138, 2156.	3.5	182
150	A Label-Free, Quantitative Assay of Amyloid Fibril Growth Based on Intrinsic Fluorescence. ChemBioChem, 2013, 14, 846-850.	2.6	145
151	Localization microscopy for the study of amyloid fibril formation. Proceedings of SPIE, 2013, , .	0.8	2
152	Correcting chromatic offset in multicolor super-resolution localization microscopy. Optics Express, 2013, 21, 10978.	3.4	51
153	MBNL1 and PTB cooperate to repress splicing of Tpm1 exon 3. Nucleic Acids Research, 2013, 41, 4765-4782.	14.5	39
154	Elements of image processing in localization microscopy. Journal of Optics (United Kingdom), 2013, 15, 094012.	2.2	40
155	Lifetime imaging of a fluorescent protein sensor reveals surprising stability of ER thiol redox. Journal of Cell Biology, 2013, 201, 337-349.	5.2	91
156	A cancer-associated BRCA2 mutation reveals masked nuclear export signals controlling localization. Nature Structural and Molecular Biology, 2013, 20, 1191-1198.	8.2	77
157	Temperature Response of an Acoustically Forced Turbulent Lean Premixed Flame: A Quantitative Experimental Determination. Combustion Science and Technology, 2013, 185, 180-199.	2.3	9
158	Test Samples for Optimizing STORM Super-Resolution Microscopy. Journal of Visualized Experiments, 2013, , .	0.3	35
159	Monodisperse Water-in-Oil-in-Water (W/O/W) Double Emulsion Droplets as Uniform Compartments for High-Throughput Analysis via Flow Cytometry. Micromachines, 2013, 4, 402-413.	2.9	43
160	Tomographic absorption spectroscopy for simultaneous imaging of temperature, species concentration, and pressure for flow diagnostics. , 2013, , .		0
161	Periodic interactions between solitons and dispersive waves during the generation of non-coherent supercontinuum radiation. Optics Express, 2012, 20, 6316.	3.4	70
162	Molecular imaging with surface-enhanced CARS on nanostructures. Proceedings of SPIE, 2012, , .	0.8	1

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163	ALS mutations in FUS cause neuronal dysfunction and death in <i>Caenorhabditis elegans</i> by a dominant gain-of-function mechanism. <i>Human Molecular Genetics</i> , 2012, 21, 1-9.	2.9	148
164	Development of Broadband Cavity Ring-Down Spectroscopy for Biomedical Diagnostics of Liquid Analytes. <i>Analytical Chemistry</i> , 2012, 84, 5489-5493.	6.5	12
165	Blind assessment of localisation microscope image resolution. <i>Optical Nanoscopy</i> , 2012, 1, 12.	4.0	32
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167	Analysis of the Native Structure, Stability and Aggregation of Biotinylated Human Lysozyme. <i>PLoS ONE</i> , 2012, 7, e50192.	2.5	27
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