

Clemens F Kaminski

List of Publications by Year in descending order

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267
papers

12,905
citations

23567

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docs citations

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times ranked

15569
citing authors

#	ARTICLE	IF	CITATIONS
1	ALS/FTD Mutation-Induced Phase Transition of FUS Liquid Droplets and Reversible Hydrogels into Irreversible Hydrogels Impairs RNP Granule Function. <i>Neuron</i> , 2015, 88, 678-690.	8.1	716
2	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
3	Experimental investigation of the nonlinear response of turbulent premixed flames to imposed inlet velocity oscillations. <i>Combustion and Flame</i> , 2005, 143, 37-55.	5.2	467
4	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
5	Spatially resolved heat release rate measurements in turbulent premixed flames. <i>Combustion and Flame</i> , 2006, 144, 1-16.	5.2	258
6	C-terminal calcium binding of $\hat{1}\pm$ -synuclein modulates synaptic vesicle interaction. <i>Nature Communications</i> , 2018, 9, 712.	12.8	223
7	Structural basis of synaptic vesicle assembly promoted by $\hat{1}\pm$ -synuclein. <i>Nature Communications</i> , 2016, 7, 12563.	12.8	203
8	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
9	Secondary nucleation of monomers on fibril surface dominates $\hat{1}\pm$ -synuclein aggregation and provides autocatalytic amyloid amplification. <i>Quarterly Reviews of Biophysics</i> , 2017, 50, e6.	5.7	183
10	Protein amyloids develop an intrinsic fluorescence signature during aggregation. <i>Analyst</i> , The, 2013, 138, 2156.	3.5	182
11	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
12	Supercontinuum radiation for applications in chemical sensing and microscopy. <i>Applied Physics B: Lasers and Optics</i> , 2008, 92, 367.	2.2	181
13	Rotaviruses Associate with Cellular Lipid Droplet Components To Replicate in Viroplasms, and Compounds Disrupting or Blocking Lipid Droplets Inhibit Viroplasm Formation and Viral Replication. <i>Journal of Virology</i> , 2010, 84, 6782-6798.	3.4	174
14	RNA Docking and Local Translation Regulate Site-Specific Axon Remodeling In Vivo. <i>Neuron</i> , 2017, 95, 852-868.e8.	8.1	163
15	Cavity enhanced absorption spectroscopy of multiple trace gas species using a supercontinuum radiation source. <i>Optics Express</i> , 2008, 16, 10178.	3.4	160
16	Direct Observation of Heterogeneous Amyloid Fibril Growth Kinetics via Two-Color Super-Resolution Microscopy. <i>Nano Letters</i> , 2014, 14, 339-345.	9.1	159
17	Intrinsically disordered proteins as molecular shields. <i>Molecular BioSystems</i> , 2012, 8, 210-219.	2.9	158
18	Extracellular Monomeric Tau Protein Is Sufficient to Initiate the Spread of Tau Protein Pathology. <i>Journal of Biological Chemistry</i> , 2014, 289, 956-967.	3.4	153

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19	In Situ Measurements of the Formation and Morphology of Intracellular β^2 -Amyloid Fibrils by Super-Resolution Fluorescence Imaging. <i>Journal of the American Chemical Society</i> , 2011, 133, 12902-12905.	13.7	151
20	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
21	A Label-Free, Quantitative Assay of Amyloid Fibril Growth Based on Intrinsic Fluorescence. <i>ChemBioChem</i> , 2013, 14, 846-850.	2.6	145
22	From Microdroplets to Microfluidics: Selective Emulsion Separation in Microfluidic Devices. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2042-2045.	13.8	144
23	High bandwidth absorption spectroscopy with a dispersed supercontinuum source. <i>Optics Express</i> , 2007, 15, 11385.	3.4	139
24	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
25	Computer-aided discovery of a metal-organic framework with superior oxygen uptake. <i>Nature Communications</i> , 2018, 9, 1378.	12.8	136
26	High repetition rate planar laser induced fluorescence of OH in a turbulent non-premixed flame. <i>Applied Physics B: Lasers and Optics</i> , 1999, 68, 757-760.	2.2	132
27	Fluorescence intensity and lifetime imaging of free and micellar-encapsulated doxorubicin in living cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2008, 4, 49-56.	3.3	129
28	Surface Enhanced Coherent Anti-Stokes Raman Scattering on Nanostructured Gold Surfaces. <i>Nano Letters</i> , 2011, 11, 5339-5343.	9.1	125
29	Structural analysis of herpes simplex virus by optical super-resolution imaging. <i>Nature Communications</i> , 2015, 6, 5980.	12.8	125
30	Direct Observations of Amyloid β^2 Self-Assembly in Live Cells Provide Insights into Differences in the Kinetics of $A\beta^{(1-40)}$ and $A\beta^{(1-42)}$ Aggregation. <i>Chemistry and Biology</i> , 2014, 21, 732-742.	6.0	111
31	Frontiers in structured illumination microscopy. <i>Optica</i> , 2016, 3, 667.	9.3	110
32	β -Synuclein - Regulator of Exocytosis, Endocytosis, or Both?. <i>Trends in Cell Biology</i> , 2017, 27, 468-479.	7.9	110
33	On-Site Ribosome Remodeling by Locally Synthesized Ribosomal Proteins in Axons. <i>Cell Reports</i> , 2019, 29, 3605-3619.e10.	6.4	103
34	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
35	A FRET Sensor for Non-Invasive Imaging of Amyloid Formation in Vivo. <i>ChemPhysChem</i> , 2011, 12, 673-680.	2.1	98
36	HomoFRET Fluorescence Anisotropy Imaging as a Tool to Study Molecular Self-Assembly in Live Cells. <i>ChemPhysChem</i> , 2011, 12, 500-509.	2.1	95

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37	Lifetime imaging of a fluorescent protein sensor reveals surprising stability of ER thiol redox. <i>Journal of Cell Biology</i> , 2013, 201, 337-349.	5.2	91
38	Single particle trajectories reveal active endoplasmic reticulum luminal flow. <i>Nature Cell Biology</i> , 2018, 20, 1118-1125.	10.3	86
39	Design of biologically active binary protein 2D materials. <i>Nature</i> , 2021, 589, 468-473.	27.8	85
40	A Guide to Structured Illumination TIRF Microscopy at High Speed with Multiple Colors. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	84
41	Fluorescent Nanoparticles for Super-Resolution Imaging. <i>Chemical Reviews</i> , 2022, 122, 12495-12543.	47.7	82
42	A white light confocal microscope for spectrally resolved multidimensional imaging. <i>Journal of Microscopy</i> , 2007, 227, 203-215.	1.8	80
43	A cancer-associated BRCA2 mutation reveals masked nuclear export signals controlling localization. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 1191-1198.	8.2	77
44	The Homeostasis of Plasmodium falciparum-Infected Red Blood Cells. <i>PLoS Computational Biology</i> , 2009, 5, e1000339.	3.2	75
45	Spark ignition of turbulent methane/air mixtures revealed by time-resolved planar laser-induced fluorescence and direct numerical simulations. <i>Proceedings of the Combustion Institute</i> , 2000, 28, 399-405.	3.9	73
46	Catalytic and chaperone-like functions in an intrinsically disordered protein associated with desiccation tolerance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 16084-16089.	7.1	72
47	Towards Multiparametric Fluorescent Imaging of Amyloid Formation: Studies of a YFP Model of I β -Synuclein Aggregation. <i>Journal of Molecular Biology</i> , 2010, 395, 627-642.	4.2	72
48	A flat flame burner for the calibration of laser thermometry techniques. <i>Measurement Science and Technology</i> , 2006, 17, 2485-2493.	2.6	71
49	Periodic interactions between solitons and dispersive waves during the generation of non-coherent supercontinuum radiation. <i>Optics Express</i> , 2012, 20, 6316.	3.4	70
50	Curvature and wrinkling of premixed flame kernels—comparisons of OH PLIF and DNS data. <i>Proceedings of the Combustion Institute</i> , 2005, 30, 809-817.	3.9	68
51	Dynamic control of higher-order modes in hollow-core photonic crystal fibers. <i>Optics Express</i> , 2008, 16, 17972.	3.4	68
52	A tomographic technique for the simultaneous imaging of temperature, chemical species, and pressure in reactive flows using absorption spectroscopy with frequency-agile lasers. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	67
53	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
54	A Highly Porous Metal-Organic Framework System to Deliver Payloads for Gene Knockdown. <i>CheM</i> , 2019, 5, 2926-2941.	11.7	66

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55	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
56	HSV Glycoproteins Are Delivered to Virus Assembly Sites Through Dynamin-Dependent Endocytosis. <i>Traffic</i> , 2016, 17, 21-39.	2.7	63
57	De novo design of a biologically active amyloid. <i>Science</i> , 2016, 354, .	12.6	63
58	Nanoscope insights into seeding mechanisms and toxicity of α -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
59	Quantitative three-dimensional imaging of soot volume fraction in turbulent non-premixed flames. <i>Experiments in Fluids</i> , 2002, 33, 265-269.	2.4	62
60	Hydrogen ion dynamics in human red blood cells. <i>Journal of Physiology</i> , 2010, 588, 4995-5014.	2.9	61
61	Highly potent soluble amyloid- β seeds in human Alzheimer brain but not cerebrospinal fluid. <i>Brain</i> , 2014, 137, 2909-2915.	7.6	61
62	Quantitative Imaging of Human Red Blood Cells Infected with <i>Plasmodium falciparum</i> . <i>Biophysical Journal</i> , 2010, 99, 953-960.	0.5	60
63	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
64	Wide-bandwidth mode-hop-free tuning of extended-cavity GaN diode lasers. <i>Applied Optics</i> , 2005, 44, 3675.	2.1	59
65	Advances in the Sensing and Treatment of Wound Biofilms. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	59
66	Multiplexed absorption tomography with calibration-free wavelength modulation spectroscopy. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	58
67	The structure and global distribution of the endoplasmic reticulum network are actively regulated by lysosomes. <i>Science Advances</i> , 2020, 6, .	10.3	58
68	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
69	FRET Imaging of Hemoglobin Concentration in <i>Plasmodium falciparum</i> -Infected Red Cells. <i>PLoS ONE</i> , 2008, 3, e3780.	2.5	57
70	Imaging α (1-42) fibril elongation reveals strongly polarised growth and growth incompetent states. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 27987-27996.	2.8	57
71	Contextual Flexibility in <i>Pseudomonas aeruginosa</i> Central Carbon Metabolism during Growth in Single Carbon Sources. <i>MBio</i> , 2020, 11, .	4.1	57
72	Characterisation of a spark ignition system by planar laser-induced fluorescence of OH at high repetition rates and comparison with chemical kinetic calculations. <i>Applied Physics B: Lasers and Optics</i> , 2000, 70, 287-294.	2.2	55

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73	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
74	Single Molecule Translation Imaging Visualizes the Dynamics of Local $\hat{\text{I}}^2$ -Actin Synthesis in Retinal Axons. <i>Scientific Reports</i> , 2017, 7, 709.	3.3	53
75	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
76	Measurement of flame surface density for turbulent premixed flames using PLIF and DNS. <i>Proceedings of the Combustion Institute</i> , 2007, 31, 1319-1326.	3.9	52
77	Comparison of 2D and 3D density-weighted displacement speed statistics and implications for laser based measurements of flame displacement speed using direct numerical simulation data. <i>Combustion and Flame</i> , 2011, 158, 1372-1390.	5.2	51
78	Correcting chromatic offset in multicolor super-resolution localization microscopy. <i>Optics Express</i> , 2013, 21, 10978.	3.4	51
79	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
80	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
81	Two-line atomic fluorescence as a temperature probe for highly sooting flames. <i>Optics Letters</i> , 2000, 25, 1469.	3.3	48
82	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
83	DNA Nanostructures for Targeted Antimicrobial Delivery. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12698-12702.	13.8	48
84	Receptor-specific interactome as a hub for rapid cue-induced selective translation in axons. <i>ELife</i> , 2019, 8, .	6.0	48
85	Applications and evaluation of two-line atomic LIF thermometry in sooting combustion environments. <i>Measurement Science and Technology</i> , 2001, 12, 1294-1303.	2.6	45
86	Scalable integration of nano-, and microfluidics with hybrid two-photon lithography. <i>Microsystems and Nanoengineering</i> , 2019, 5, 40.	7.0	45
87	Imaging pharmaceutical tablets with optical coherence tomography. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 385-391.	3.3	44
88	The application of frequency-domain Fluorescence Lifetime Imaging Microscopy as a quantitative analytical tool for microfluidic devices. <i>Optics Express</i> , 2006, 14, 5456.	3.4	43
89	Monodisperse Water-in-Oil-in-Water (W/O/W) Double Emulsion Droplets as Uniform Compartments for High-Throughput Analysis via Flow Cytometry. <i>Micromachines</i> , 2013, 4, 402-413.	2.9	43
90	Degenerate four-wave mixing spectroscopy and spectral simulation of C2 in an atmospheric pressure oxy-acetylene flame. <i>Journal of Chemical Physics</i> , 1997, 106, 5324-5332.	3.0	42

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91	Following interfacial kinetics in real time using broadband evanescent wave cavity-enhanced absorption spectroscopy: a comparison of light-emitting diodes and supercontinuum sources. <i>Analyst, The</i> , 2010, 135, 133-139.	3.5	42
92	ML-SIM: universal reconstruction of structured illumination microscopy images using transfer learning. <i>Biomedical Optics Express</i> , 2021, 12, 2720.	2.9	42
93	Dispersion Measurement in Optical Fibers Using Supercontinuum Pulses. <i>Journal of Lightwave Technology</i> , 2007, 25, 820-824.	4.6	40
94	Evanescent wave broadband cavity enhanced absorption spectroscopy using supercontinuum radiation: A new probe of electrochemical processes. <i>Electrochemistry Communications</i> , 2008, 10, 1827-1830.	4.7	40
95	Elements of image processing in localization microscopy. <i>Journal of Optics (United Kingdom)</i> , 2013, 15, 094012.	2.2	40
96	Speed limits of structured illumination microscopy. <i>Optics Letters</i> , 2017, 42, 2511.	3.3	40
97	Generation of supercontinuum radiation in conventional single-mode fibre and its application to broadband absorption spectroscopy. <i>Applied Physics B: Lasers and Optics</i> , 2008, 90, 47-53.	2.2	39
98	MBNL1 and PTB cooperate to repress splicing of Tpm1 exon 3. <i>Nucleic Acids Research</i> , 2013, 41, 4765-4782.	14.5	39
99	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
100	Nonlinear diffusion filtering of images obtained by planar laser-induced fluorescence spectroscopy. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2000, 17, 2148.	1.5	38
101	Flame front tracking in turbulent lean premixed flames using $\hat{\text{A}}$ stereo PIV and time-sequenced planar LIF of OH. <i>Applied Physics B: Lasers and Optics</i> , 2009, 96, 843-862.	2.2	38
102	Cavity Enhanced Spectroscopy of High-Temperature H_2O in the Near-Infrared Using a Supercontinuum Light Source. <i>Applied Spectroscopy</i> , 2009, 63, 1389-1395.	2.2	38
103	X-Ray Microanalysis Investigation of the Changes in Na, K, and Hemoglobin Concentration in Plasmodium falciparum-Infected Red Blood Cells. <i>Biophysical Journal</i> , 2011, 100, 1438-1445.	0.5	38
104	CYK4 Promotes Antiparallel Microtubule Bundling by Optimizing MKLP1 Neck Conformation. <i>PLoS Biology</i> , 2015, 13, e1002121.	5.6	37
105	mhFLIM: Resolution of heterogeneous fluorescence decays in widefield lifetime microscopy. <i>Optics Express</i> , 2009, 17, 1557.	3.4	36
106	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
107	Detection of Plasmodium falciparum-infected red blood cells by optical stretching. <i>Journal of Biomedical Optics</i> , 2010, 15, 030517.	2.6	35
108	Test Samples for Optimizing STORM Super-Resolution Microscopy. <i>Journal of Visualized Experiments</i> , 2013, , .	0.3	35

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109	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
110	A method for performing high accuracy temperature measurements in low-pressure sooting flames using two-line atomic fluorescence. <i>Proceedings of the Combustion Institute</i> , 2011, 33, 799-806.	3.9	34
111	Fast and simple spectral FLIM for biochemical and medical imaging. <i>Optics Express</i> , 2015, 23, 23511.	3.4	34
112	TestSTORM: Simulator for optimizing sample labeling and image acquisition in localization based super-resolution microscopy. <i>Biomedical Optics Express</i> , 2014, 5, 778.	2.9	33
113	Sensitive Method for the Kinetic Measurement of Trace Species in Liquids Using Cavity Enhanced Absorption Spectroscopy with Broad Bandwidth Supercontinuum Radiation. <i>Analytical Chemistry</i> , 2010, 82, 7498-7501.	6.5	32
114	Blind assessment of localisation microscope image resolution. <i>Optical Nanoscopy</i> , 2012, 1, 12.	4.0	32
115	Biophotonics of Native Silk Fibrils. <i>Macromolecular Bioscience</i> , 2018, 18, e1700295.	4.1	31
116	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
117	Converting lateral scanning into axial focusing to speed up three-dimensional microscopy. <i>Light: Science and Applications</i> , 2020, 9, 165.	16.6	31
118	High-throughput, multi-parametric, and correlative fluorescence lifetime imaging. <i>Methods and Applications in Fluorescence</i> , 2020, 8, 024005.	2.3	31
119	Fast Fluorescence Lifetime Imaging Reveals the Aggregation Processes of β^2 -Synuclein and Polyglutamine in Aging <i>Caenorhabditis elegans</i> . <i>ACS Chemical Biology</i> , 2019, 14, 1628-1636.	3.4	30
120	Quantitative Kinetic Analysis in a Microfluidic Device Using Frequency-Domain Fluorescence Lifetime Imaging. <i>Analytical Chemistry</i> , 2007, 79, 4101-4109.	6.5	28
121	A method to unmix multiple fluorophores in microscopy images with minimal a priori information. <i>Optics Express</i> , 2009, 17, 22747.	3.4	28
122	Biophotonic techniques for the study of malaria-infected red blood cells. <i>Medical and Biological Engineering and Computing</i> , 2010, 48, 1055-1063.	2.8	27
123	Analysis of the Native Structure, Stability and Aggregation of Biotinylated Human Lysozyme. <i>PLoS ONE</i> , 2012, 7, e50192.	2.5	27
124	Quantitative Affinity Determination by Fluorescence Anisotropy Measurements of Individual Nanoliter Droplets. <i>Analytical Chemistry</i> , 2017, 89, 1092-1101.	6.5	27
125	Flat-Field Super-Resolution Localization Microscopy with a Low-Cost Refractive Beam-Shaping Element. <i>Scientific Reports</i> , 2018, 8, 5630.	3.3	27
126	Different Structural Conformers of Monomeric β^2 -Synuclein Identified after Lyophilizing and Freezing. <i>Analytical Chemistry</i> , 2018, 90, 6975-6983.	6.5	27

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127	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
128	Spectroscopic use of a novel blue diode laser in a wavelength region around 450Ånm. <i>Applied Physics B: Lasers and Optics</i> , 2004, 79, 491-495.	2.2	26
129	Theoretical investigation of the photon efficiency in frequency-domain fluorescence lifetime imaging microscopy. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2008, 25, 452.	1.5	26
130	Two distinct β -sheet structures in Italian-mutant amyloid-beta fibrils: a potential link to different clinical phenotypes. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 4899-4913.	5.4	26
131	Absolute concentration measurements of C2 in a diamond CVD reactor by laser-induced fluorescence. <i>Applied Physics B: Lasers and Optics</i> , 1995, 61, 585-592.	2.2	25
132	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
133	A spectroscopic study of the self-association and inter-molecular aggregation behaviour of pH-responsive poly(L-lysine iso-phthalamide). <i>Polymer</i> , 2006, 47, 2689-2698.	3.8	24
134	Temperature response of turbulent premixed flames to inlet velocity oscillations. <i>Experiments in Fluids</i> , 2009, 46, 27-41.	2.4	24
135	Structure-Specific Intrinsic Fluorescence of Protein Amyloids Used to Study their Kinetics of Aggregation. , 2014, , 147-155.		24
136	Flame growth and wrinkling in a turbulent flow. <i>Applied Physics B: Lasers and Optics</i> , 2000, 71, 711-716.	2.2	23
137	Dependence of partially saturated polarization spectroscopy signals on pump intensity and collision rate. <i>Physical Review A</i> , 2001, 64, .	2.5	23
138	β -FLIM: a technique for alias-free frequency domain fluorescence lifetime imaging. <i>Optics Express</i> , 2009, 17, 23181.	3.4	23
139	Design and application of a confocal microscope for spectrally resolved anisotropy imaging. <i>Optics Express</i> , 2011, 19, 2546.	3.4	23
140	A calibration method for broad-bandwidth cavity enhanced absorption spectroscopy performed with supercontinuum radiation. <i>Applied Physics B: Lasers and Optics</i> , 2011, 102, 271-278.	2.2	23
141	Revealing Nanomechanical Domains and Their Transient Behavior in Mixed Halide Perovskite Films. <i>Advanced Functional Materials</i> , 2021, 31, 2100293.	14.9	23
142	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
143	Quantitative Fluorescence Microscopy Techniques. <i>Methods in Molecular Biology</i> , 2009, 586, 117-142.	0.9	23
144	Fast imaging of live organisms with sculpted light sheets. <i>Scientific Reports</i> , 2015, 5, 9385.	3.3	22

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145	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
146	Two-photon polarization spectroscopy and (2 + 3)-photon laser induced fluorescence of N2. <i>Optics Communications</i> , 1996, 129, 38-43.	2.1	21
147	High-repetition-rate combustion thermometry with two-line atomic fluorescence excited by diode lasers. <i>Optics Letters</i> , 2009, 34, 2492.	3.3	21
148	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
149	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
150	The metathetic degradation of polyisoprene and polybutadiene in block copolymers using Grubbs second generation catalyst. <i>Polymer Degradation and Stability</i> , 2011, 96, 1074-1080.	5.8	20
151	Optij: Open-source optical projection tomography of large organ samples. <i>Scientific Reports</i> , 2019, 9, 15693.	3.3	20
152	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
153	Thermometry of an oxy-acetylene flame using multiplex degenerate four-wave mixing of C2. <i>Applied Physics B: Lasers and Optics</i> , 1996, 62, 39-44.	2.2	19
154	Measurements of the indium hyperfine structure in an atmospheric-pressure flame by use of diode-laser-induced fluorescence. <i>Optics Letters</i> , 2004, 29, 827.	3.3	19
155	A Quantitative Protocol for Intensity-Based Live Cell FRET Imaging. <i>Methods in Molecular Biology</i> , 2014, 1076, 445-454.	0.9	19
156	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
157	On-Chip Super-Resolution Imaging with Fluorescent Polymer Films. <i>Advanced Functional Materials</i> , 2019, 29, 1900126.	14.9	19
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