

Alberto Diaspro

List of Publications by Year in Descending Order

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

479 papers	11,197 citations	50 h-index	83 g-index
650 ext. papers	12,845 ext. citations	3.6 avg, IF	6.44 L-index

#	Paper	IF	Citations
479	Phasor map analysis to investigate Hutchinson-Gilford progeria cell under polarization-resolved optical scanning microscopy.. <i>Scientific Reports</i> , 2022 , 12, 1679	4.9	0
478	Characterization of the Mueller Matrix: Purity Space and Reflectance Imaging. <i>Photonics</i> , 2022 , 9, 88	2.2	1
477	Synuclein interacts differently with membranes mimicking the inner and outer leaflets of neuronal membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2022 , 1864, 183814	3.8	0
476	Purity of 3D polarization.. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2022 , 39, 6-16	1.8	2
475	A photosensitizing fusion protein with targeting capabilities.. <i>Biomolecular Concepts</i> , 2022 , 13, 175-182	3.7	1
474	The Interaction of Hypericin with SARS-CoV-2 Reveals a Multimodal Antiviral Activity.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	2
473	A red-green photochromic bacterial protein as a new contrast agent for improved photoacoustic imaging. <i>Photoacoustics</i> , 2022 , 100358	9	0
472	A Table of Some Coherency Matrices, Coherency Matrix Factors, and Their Respective Mueller Matrices. <i>Photonics</i> , 2022 , 9, 394	2.2	0
471	A spatial multi-scale fluorescence microscopy toolbox discloses entry checkpoints of SARS-CoV-2 variants in Vero E6 cells. <i>Computational and Structural Biotechnology Journal</i> , 2021 , 19, 6140-6156	6.8	3
470	Computational Modeling of Chromatin Fiber to Characterize Its Organization Using Angle-Resolved Scattering of Circularly Polarized Light. <i>Polymers</i> , 2021 , 13,	4.5	1
469	Evaluation of sted super-resolution image quality by image correlation spectroscopy (QuICS). <i>Scientific Reports</i> , 2021 , 11, 20782	4.9	1
468	Acousto-optic systems for advanced microscopy. <i>JPhys Photonics</i> , 2021 , 3, 012004	2.5	2
467	Nanopatterning with Photonic Nanojets: Review and Perspectives in Biomedical Research. <i>Micromachines</i> , 2021 , 12,	3.3	11
466	Measuring Nanoscale Distances by Structured Illumination Microscopy and Image Cross-Correlation Spectroscopy (SIM-ICCS). <i>Sensors</i> , 2021 , 21,	3.8	4
465	Thread lifting of the midface: A pilot study for quantitative evaluation. <i>Dermatologic Therapy</i> , 2021 , 34, e14958	2.2	1
464	Circular intensity differential scattering of light to characterize the coronavirus particles. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021 , 38, 1702	1.7	1
463	The Rhino-Lip-Lifting: A Novel Proposal for Midface Profileplasty Performed as a Single Surgical Procedure. <i>Facial Plastic Surgery</i> , 2021 , 37, 340-347	1.2	0

462	Correlative nanoscopy: A multimodal approach to molecular resolution. <i>Microscopy Research and Technique</i> , 2021 , 84, 2472-2482	2.8	1
461	Chromatin investigation in the nucleus using a phasor approach to structured illumination microscopy. <i>Biophysical Journal</i> , 2021 , 120, 2566-2576	2.9	2
460	Pixel reassignment in image scanning microscopy with a doughnut beam: example of maximum likelihood restoration. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2021 , 38, 1075-1084	1.8	2
459	Expansion microscopy at the nanoscale: The nuclear pore complex as a fiducial landmark. <i>Methods in Cell Biology</i> , 2021 , 161, 275-295	1.8	3
458	Combined approach using circular intensity differential scattering microscopy under phasor map data analysis. <i>Applied Optics</i> , 2021 , 60, 1558-1565	1.7	3
457	Review on Complete Mueller Matrix Optical Scanning Microscopy Imaging. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 1632	2.6	10
456	Polarimetric optical scanning microscopy of zebrafish embryonic development using the coherency matrix. <i>Journal of Biophotonics</i> , 2021 , 14, e202000494	3.1	3
455	Phasor approach of Mueller matrix optical scanning microscopy for biological tissue imaging. <i>Biophysical Journal</i> , 2021 , 120, 3112-3125	2.9	2
454	Charged dielectric spheres interacting in electrolytic solution: A linearized Poisson-Boltzmann equation model. <i>Journal of Chemical Physics</i> , 2021 , 155, 114114	3.9	2
453	Use of Artificial Intelligence as an Innovative Method for Liver Graft Macrosteatosis Assessment. <i>Liver Transplantation</i> , 2020 , 26, 1224-1232	4.5	6
452	Chromatin Compaction Multiscale Modeling: A Complex Synergy Between Theory, Simulation, and Experiment. <i>Frontiers in Molecular Biosciences</i> , 2020 , 7, 15	5.6	14
451	Linewidth and writing resolution 2020 , 351-384		
450	Accurate assessment of nonalcoholic fatty liver disease lesions in liver allograft biopsies by a smartphone platform: A proof of concept. <i>Microscopy Research and Technique</i> , 2020 , 83, 1025-1031	2.8	2
449	Improving SPLIT-STED super-resolution imaging with tunable depletion and excitation power. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 234003	3	2
448	Two-photon image-scanning microscopy with SPAD array and blind image reconstruction. <i>Biomedical Optics Express</i> , 2020 , 11, 2905-2924	3.5	13
447	Volumetric Lissajous confocal microscopy with tunable spatiotemporal resolution. <i>Biomedical Optics Express</i> , 2020 , 11, 6293-6310	3.5	4
446	Pixel reassignment in image scanning microscopy: a re-evaluation. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2020 , 37, 154-162	1.8	20
445	Polarization in reflectance imaging. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2020 , 37, 491-500	1.8	2

444	Eigenvectors of polarization coherency matrices. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2020 , 37, 1143-1154	1.8	8
443	Image scanning microscopy with multiphoton excitation or Bessel beam illumination. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2020 , 37, 1639-1649	1.8	8
442	SPAD-based asynchronous-readout array detectors for image-scanning microscopy. <i>Optica</i> , 2020 , 7, 755	8.6	8
441	ExCIDS: a combined approach coupling Expansion Microscopy (ExM) and Circular Intensity Differential Scattering (CIDS) for chromatin-DNA imaging. <i>OSA Continuum</i> , 2020 , 3, 1770	1.4	12
440	An inertia-free beam scanning device for single-wavelength 2PE-STED nanoscopy. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 324001	3	2
439	Printability conditions for an all-solid-state laser transfer. <i>Applied Surface Science</i> , 2020 , 506, 144969	6.7	6
438	The role of histone tails in nucleosome stability: An electrostatic perspective. <i>Computational and Structural Biotechnology Journal</i> , 2020 , 18, 2799-2809	6.8	4
437	Circular Intensity Differential Scattering for Label-Free Chromatin Characterization: A Review for Optical Microscopy. <i>Polymers</i> , 2020 , 12,	4.5	7
436	Microbotulinum: A Quantitative Evaluation of Aesthetic Skin Improvement in 62 Patients. <i>Plastic and Reconstructive Surgery</i> , 2020 , 146, 987-994	2.7	2
435	Precise 3D modulation of electro-optical parameters during neurotransmitter uncaging experiments with neurons in vitro. <i>Scientific Reports</i> , 2020 , 10, 13380	4.9	1
434	Optical nanoscopy. <i>Rivista Del Nuovo Cimento</i> , 2020 , 43, 385-455	3.5	6
433	Photon-separation to enhance the spatial resolution of pulsed STED microscopy. <i>Nanoscale</i> , 2019 , 11, 1754-1761	7.7	15
432	AFM-STED correlative nanoscopy reveals a dark side in fluorescence microscopy imaging. <i>Science Advances</i> , 2019 , 5, eaav8062	14.3	26
431	Hypericin-Apomyoglobin: An Enhanced Photosensitizer Complex for the Treatment of Tumor Cells. <i>Biomacromolecules</i> , 2019 , 20, 2024-2033	6.9	15
430	Measuring Mobility in Chromatin by Intensity-Sorted FCS. <i>Biophysical Journal</i> , 2019 , 116, 987-999	2.9	15
429	Measuring expansion from macro- to nanoscale using NPC as intrinsic reporter. <i>Journal of Biophotonics</i> , 2019 , 12, e201900018	3.1	28
428	Leaf-Inspired Authentically Complex Microvascular Networks for Deciphering Biological Transport Process. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 31627-31637	9.5	6
427	The oncoprotein DEK affects the outcome of PARP1/2 inhibition during mild replication stress. <i>PLoS ONE</i> , 2019 , 14, e0213130	3.7	3

426	Enhanced photosensitizing properties of protein bound curcumin. <i>Life Sciences</i> , 2019 , 233, 116710	6.8	15
425	Label-Free Optical Nanoscopy of Single-Layer Graphene. <i>ACS Nano</i> , 2019 , 13, 9673-9681	16.7	7
424	Fourier ring correlation simplifies image restoration in fluorescence microscopy. <i>Nature Communications</i> , 2019 , 10, 3103	17.4	45
423	Apomyoglobin is an efficient carrier for zinc phthalocyanine in photodynamic therapy of tumors. <i>Biophysical Chemistry</i> , 2019 , 253, 106228	3.5	12
422	Chromatin nanoscale compaction in live cells visualized by acceptor-to-donor ratio corrected Föster resonance energy transfer between DNA dyes. <i>Journal of Biophotonics</i> , 2019 , 12, e201900164	3.1	15
421	Nanoscale Distribution of Nuclear Sites by Super-Resolved Image Cross-Correlation Spectroscopy. <i>Biophysical Journal</i> , 2019 , 117, 2054-2065	2.9	10
420	Efficient two-photon excitation stimulated emission depletion nanoscope exploiting spatiotemporal information. <i>Neurophotonics</i> , 2019 , 6, 045004	3.9	5
419	Eigenvalues of the coherency matrix for exact backscattering. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2019 , 36, 1540-1550	1.8	8
418	Geometry-controllable micro-optics with laser catapulting. <i>Optical Materials Express</i> , 2019 , 9, 2892	2.6	5
417	Label-Free Pump-Probe Nanoscopy 2019 , 171-193		
416	Fluorescence Microscopy. <i>Springer Handbooks</i> , 2019 , 1039-1088	1.3	4
415	Zebrafish structural development in Mueller-matrix scanning microscopy. <i>Scientific Reports</i> , 2019 , 9, 19974	1.9	17
414	From deceased to bioengineered graft: New frontiers in liver transplantation. <i>Transplantation Reviews</i> , 2019 , 33, 72-76	3.3	2
413	Super-Resolution Fluorescence Microscopy 2019 , 1-12		
412	A robust and versatile platform for image scanning microscopy enabling super-resolution FLIM. <i>Nature Methods</i> , 2019 , 16, 175-178	21.6	70
411	Polymer Coating and Lipid Phases Regulate Semiconductor Nanorods' Interaction with Neuronal Membranes: A Modeling Approach. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 618-627	5.7	3
410	Laser-Fabricated Fluorescent, Ligand-Free Silicon Nanoparticles: Scale-up, Biosafety, and 3D Live Imaging of Zebrafish under Development.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 321-329	4.1	6
409	Local raster image correlation spectroscopy generates high-resolution intracellular diffusion maps. <i>Communications Biology</i> , 2018 , 1, 10	6.7	28

408	STED super-resolved microscopy. <i>Nature Methods</i> , 2018 , 15, 173-182	21.6	243
407	5 STED microscopy: exploring fluorescence lifetime gradients for super-resolution at reduced illumination intensities 2018 , 85-102		2
406	Film-Free LIFT (FF-LIFT) 2018 , 123-146		
405	Single-Shot Laser Additive Manufacturing of High Fill-Factor Microlens Arrays. <i>Advanced Optical Materials</i> , 2018 , 6, 1701190	8.1	30
404	Toxic HypF-N Oligomers Selectively Bind the Plasma Membrane to Impair Cell Adhesion Capability. <i>Biophysical Journal</i> , 2018 , 114, 1357-1367	2.9	8
403	Enhanced volumetric imaging in 2-photon microscopy via acoustic lens beam shaping. <i>Journal of Biophotonics</i> , 2018 , 11, e201700050	3.1	23
402	Testing feasibility of an accurate microscopic assessment of macrovesicular steatosis in liver allograft biopsies by smartphone add-on lenses. <i>Microscopy Research and Technique</i> , 2018 , 81, 58-63	2.8	11
401	Amyloid and membrane complexity: The toxic interplay revealed by AFM. <i>Seminars in Cell and Developmental Biology</i> , 2018 , 73, 82-94	7.5	24
400	Step-by-step surface potential tuning of patterned graphene by polyelectrolyte coating. <i>Thin Solid Films</i> , 2018 , 660, 253-257	2.2	4
399	Evaluating image resolution in stimulated emission depletion microscopy. <i>Optica</i> , 2018 , 5, 32	8.6	49
398	Factorization of the coherency matrix of polarization optics. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2018 , 35, 586-590	1.8	11
397	Stiffness effect of using polywave or monowave LED units for photo-curing different bulk fill composites. <i>Dental Materials Journal</i> , 2018 , 37, 709-716	2.5	5
396	Gummy Smile Treatment: Proposal for a Novel Corrective Technique and a Review of the Literature. <i>Aesthetic Surgery Journal</i> , 2018 , 38, 1330-1338	2.4	14
395	Local viscoelastic response of direct and indirect dental restorative composites measured by AFM. <i>Dental Materials Journal</i> , 2018 , 37, 365-373	2.5	
394	Exploiting the tunability of stimulated emission depletion microscopy for super-resolution imaging of nuclear structures. <i>Nature Communications</i> , 2018 , 9, 3415	17.4	25
393	Image-Based Tracking of Anticancer Drug-Loaded Nanoengineered Polyelectrolyte Capsules in Cellular Environments Using a Fast Benchtop Mid-Infrared (MIR) Microscope. <i>ACS Omega</i> , 2018 , 3, 6143-6150	3.9	2
392	Image scanning microscopy (ISM) with a single photon avalanche diode (SPAD) array detector 2018 ,		1
391	Coherency and differential Mueller matrices for polarizing media. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2018 , 35, 2058-2069	1.8	8

390	Circular intensity differential scattering (CIDS) scanning microscopy to image chromatin-DNA nuclear organization. <i>OSA Continuum</i> , 2018 , 1, 1068	1.4	17
389	Improving multiphoton STED nanoscopy with separation of photons by Lifetime Tuning (SPLIT) 2018 ,		1
388	Developmental refinement of synaptic transmission on micropatterned single layer graphene. <i>Acta Biomaterialia</i> , 2018 , 65, 363-375	10.8	11
387	Comprehensive correlation analysis for super-resolution dynamic fingerprinting of cellular compartments using the Zeiss Airyscan detector. <i>Nature Communications</i> , 2018 , 9, 5120	17.4	22
386	3D-Printed, Pocket-Size Diffusion Cells for Skin Permeation Investigation. <i>Proceedings (mdpi)</i> , 2018 , 2, 945	0.3	3
385	Cavitation-Assisted Micromixing for Polymeric Nanoparticle Generation. <i>Proceedings (mdpi)</i> , 2018 , 2, 942	0.3	2
384	Pump-Probe Nanoscopy by Means of Transient Absorption Saturation 2018 ,		1
383	LIQUITOPY : A Liquid Tunable Microscope to Study Chromatin Organization in the Cell Nucleus. <i>Microscopy and Microanalysis</i> , 2018 , 24, 1368-1369	0.5	4
382	Single layer graphene functionalized MEA for enhanced detection of neuronal network development. <i>Sensors and Actuators B: Chemical</i> , 2018 , 277, 224-233	8.5	10
381	Expansion Microscopy: A Tool to Investigate Hutchinson-Gilford Progeria Syndrome at Molecular Level. <i>Biophysical Journal</i> , 2018 , 114, 536a	2.9	2
380	Computer-assisted liver graft steatosis assessment via learning-based texture analysis. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2018 , 13, 1357-1367	3.9	17
379	Three-dimensional imaging technologies: a priority for the advancement of tissue engineering and a challenge for the imaging community. <i>Journal of Biophotonics</i> , 2017 , 10, 24-45	3.1	35
378	Nanoscale Molecular Reorganization of the Inhibitory Postsynaptic Density Is a Determinant of GABAergic Synaptic Potentiation. <i>Journal of Neuroscience</i> , 2017 , 37, 1747-1756	6.6	57
377	Combining Expansion Microscopy and STED Nanoscopy for the Study of Cellular Organization. <i>Biophysical Journal</i> , 2017 , 112, 140a	2.9	6
376	Mueller matrix signature in advanced fluorescence microscopy imaging. <i>Journal of Optics (United Kingdom)</i> , 2017 , 19, 025301	1.7	11
375	Adhesion and migration of CHO cells on micropatterned single layer graphene. <i>2D Materials</i> , 2017 , 4, 025022	5.9	12
374	Micromixing with spark-generated cavitation bubbles. <i>Microfluidics and Nanofluidics</i> , 2017 , 21, 1	2.8	11
373	A novel pulsed STED microscopy method using FastFLIM and the phasor plots 2017 ,		1

372	Removal of anti-Stokes emission background in STED microscopy by FPGA-based synchronous detection. <i>Review of Scientific Instruments</i> , 2017 , 88, 053701	1.7	10
371	Combination of scanning probe technology with photonic nanojets. <i>Scientific Reports</i> , 2017 , 7, 3474	4.9	48
370	Fast Inertia-Free Volumetric Light-Sheet Microscope. <i>ACS Photonics</i> , 2017 , 4, 1797-1804	6.3	42
369	Eco-Friendly Processing for Engineering Bio-Safe Quantum Dots and their Interaction with Biological Systems. <i>Biophysical Journal</i> , 2017 , 112, 26a	2.9	2
368	Gold nanoparticle-filled biodegradable photopolymer scaffolds induced muscle remodeling: in vitro and in vivo findings. <i>Materials Science and Engineering C</i> , 2017 , 72, 625-630	8.3	7
367	Microlens fabrication by replica molding of frozen laser-printed droplets. <i>Applied Surface Science</i> , 2017 , 418, 554-558	6.7	26
366	Far-red fluorescent carbon nano-onions as a biocompatible platform for cellular imaging. <i>RSC Advances</i> , 2017 , 7, 45676-45681	3.7	36
365	Anisotropy in the viscoelastic response of knee meniscus cartilage. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2017 , 15, e77-e83	1.8	14
364	Improving the Spatial Resolution in Direct Laser Writing Lithography by Using a Reversible Cationic Photoinitiator. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 16970-16977	3.8	6
363	Lippmann-Schwinger theory for two-dimensional plasmon scattering. <i>Physical Review B</i> , 2017 , 96,	3.3	10
362	Measurement of nanoscale three-dimensional diffusion in the interior of living cells by STED-FCS. <i>Nature Communications</i> , 2017 , 8, 65	17.4	51
361	Tailoring of size, emission and surface chemistry of germanium nanoparticles via liquid-phase picosecond laser ablation. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 12264-12271	7.1	11
360	Bacterial adhesion on direct and indirect dental restorative composite resins: An in vitro study on a natural biofilm. <i>Journal of Prosthetic Dentistry</i> , 2017 , 117, 669-676	4	22
359	IFN- γ orchestrates mesenchymal stem cell plasticity through the signal transducer and activator of transcription 1 and 3 and mammalian target of rapamycin pathways. <i>Journal of Allergy and Clinical Immunology</i> , 2017 , 139, 1667-1676	11.5	31
358	Facile fabrication of bioactive ultra-small protein-hydroxyapatite nanoconjugates via liquid-phase laser ablation and their enhanced osteogenic differentiation activity. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 279-288	7.3	10
357	Spatial-domain filter enhanced subtraction microscopy and application to mid-IR imaging. <i>Optics Express</i> , 2017 , 25, 13145-13152	3.3	5
356	Three-dimensional multiple-particle tracking with nanometric precision over tunable axial ranges. <i>Optica</i> , 2017 , 4, 367	8.6	22
355	Carbon nano-onions as fluorescent on/off modulated nanoprobe for diagnostics. <i>Beilstein Journal of Nanotechnology</i> , 2017 , 8, 1878-1888	3	21

354	Image formation in image scanning microscopy, including the case of two-photon excitation. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2017 , 34, 1339-1350	1.8	31
353	Effect of nanoscale size and medium on metal work function in oleylamine-capped gold nanocrystals. <i>Journal of Physics and Chemistry of Solids</i> , 2016 , 89, 7-14	3.9	18
352	Linewidth and Writing Resolution 2016 , 190-220		4
351	Three-dimensional polarization algebra. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2016 , 33, 1938-1947	1.8	14
350	Gated-sted microscopy with subnanosecond pulsed fiber laser for reducing photobleaching. <i>Microscopy Research and Technique</i> , 2016 , 79, 785-91	2.8	20
349	Phasor Analysis of Local ICS Detects Heterogeneity in Size and Number of Intracellular Vesicles. <i>Biophysical Journal</i> , 2016 , 111, 619-629	2.9	22
348	Biocompatibility and biodistribution of functionalized carbon nano-onions (F-CNOs) in a vertebrate model. <i>Scientific Reports</i> , 2016 , 6, 33923	4.9	49
347	Zinc-Substituted Myoglobin Is a Naturally Occurring Photo-antimicrobial Agent with Potential Applications in Food Decontamination. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 8633-8639	5.7	15
346	Two-Photon Excitation STED Microscopy with Time-Gated Detection. <i>Scientific Reports</i> , 2016 , 6, 19419	4.9	21
345	Role of the Pico-Nano-Second Temporal Dimension in STED Microscopy. <i>Springer Series on Fluorescence</i> , 2016 , 311-329	0.5	2
344	Specific Neuron Placement on Gold and Silicon Nitride-Patterned Substrates through a Two-Step Functionalization Method. <i>Langmuir</i> , 2016 , 32, 6319-27	4	7
343	Direct Laser Printing of Tailored Polymeric Microlenses. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 17028-32	9.5	41
342	3D Multicolor STED Nanoscope a Super-Resolution Approach to Mammalian Photoreceptor. <i>Biophysical Journal</i> , 2016 , 110, 648a	2.9	
341	Influence of Nanoparticle Exposure on Nervous System Development in Zebrafish Studied by Means of Light Sheet Fluorescence Microscopy. <i>Biophysical Journal</i> , 2016 , 110, 148a	2.9	2
340	Review: Morphofunctional and biochemical markers of stress in sea urchin life stages exposed to engineered nanoparticles. <i>Environmental Toxicology</i> , 2016 , 31, 1552-1562	4.2	25
339	A Novel Fast Volumetric Light Sheet Microscopy. <i>Biophysical Journal</i> , 2016 , 110, 648a	2.9	
338	Boost Your Microscope by Exploring New Dimensions. <i>Biophysical Journal</i> , 2016 , 110, 648a	2.9	
337	Far-Field Subdiffraction Imaging of Semiconductors Using Nonlinear Transient Absorption Differential Microscopy. <i>ACS Photonics</i> , 2016 , 3, 478-485	6.3	16

- 336 Direct surface modification of ligand-free silicon quantum dots prepared by femtosecond laser ablation in deionized water. *Journal of Colloid and Interface Science*, **2016**, 465, 242-8 9.3 22
- 335 Towards nanopatterning by femtosecond laser ablation of pre-stretched elastomers. *Applied Surface Science*, **2016**, 374, 151-156 6.7 8
- 334 Interaction of toxic and non-toxic HypF-N oligomers with lipid bilayers investigated at high resolution with atomic force microscopy. *Oncotarget*, **2016**, 7, 44991-45004 3.3 20
- 333 Effect of Anderson localization on light emission from gold nanoparticle aggregates. *Beilstein Journal of Nanotechnology*, **2016**, 7, 2013-2022 3 10
- 332 Ultrasmall, Ligand-Free Ag Nanoparticles with High Antibacterial Activity Prepared by Pulsed Laser Ablation in Liquid. *Journal of Chemistry*, **2016**, 2016, 1-8 2.3 14
- 331 Surface Morphology and Tooth Adhesion of a Novel Nanostructured Dental Restorative Composite. *Materials*, **2016**, 9, 3.5 12
- 330 Interpretation of the optical transfer function: Significance for image scanning microscopy. *Optics Express*, **2016**, 24, 27280-27287 3.3 26
- 329 Characterization of nanostructures fabricated with two-beam DLW lithography using STED microscopy. *Optical Materials Express*, **2016**, 6, 3169 2.6 12
- 328 Ultrastable Liquid-Liquid Interface as Viable Route for Controlled Deposition of Biodegradable Polymer Nanocapsules. *Small*, **2016**, 12, 3005-13 11 18
- 327 PEGylated gold nanorods as optical trackers for biomedical applications: an in vivo and in vitro comparative study. *Nanotechnology*, **2016**, 27, 255101 3.4 26
- 326 Intensity Weighted Subtraction Microscopy Approach for Image Contrast and Resolution Enhancement. *Scientific Reports*, **2016**, 6, 25816 4.9 38
- 325 4D (x-y-z-t) imaging of thick biological samples by means of Two-Photon inverted Selective Plane Illumination Microscopy (2PE-iSPIM). *Scientific Reports*, **2016**, 6, 23923 4.9 19
- 324 Expressions for parallel decomposition of the Mueller matrix. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **2016**, 33, 741-51 1.8 12
- 323 Pushing phase and amplitude sensitivity limits in interferometric microscopy. *Optics Letters*, **2016**, 41, 1656-9 3 45
- 322 Subnuclear localization, rates and effectiveness of UVC-induced unscheduled DNA synthesis visualized by fluorescence widefield, confocal and super-resolution microscopy. *Cell Cycle*, **2016**, 15, 1158-67 4.7 8
- 321 Fractal analysis of inter-particle interaction forces in gold nanoparticle aggregates. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2016**, 497, 225-232 5.1 22
- 320 Three distinct ribosome assemblies modulated by translation are the building blocks of polysomes. *Journal of Cell Biology*, **2015**, 208, 581-96 7.3 30
- 319 Induced growth of dendrite gold nanostructure by controlling self-assembly aggregation dynamics. *Journal of Colloid and Interface Science*, **2015**, 458, 266-72 9.3 15

318	STED-FLCS: An Advanced Tool to Reveal Spatiotemporal Heterogeneity of Molecular Membrane Dynamics. <i>Nano Letters</i> , 2015 , 15, 5912-8	11.5	59
317	Four-order stiffness variation of laser-fabricated photopolymer biodegradable scaffolds by laser parameter modulation. <i>Materials Science and Engineering C</i> , 2015 , 55, 14-21	8.3	16
316	Nanocomposite scaffold fabrication by incorporating gold nanoparticles into biodegradable polymer matrix: Synthesis, characterization, and photothermal effect. <i>Materials Science and Engineering C</i> , 2015 , 56, 305-10	8.3	32
315	Combined Characterization of the Time Response of Impression Materials via Traditional and FTIR Measurements. <i>Materials</i> , 2015 , 8, 2387-2399	3.5	3
314	Encoding and decoding spatio-temporal information for super-resolution microscopy. <i>Nature Communications</i> , 2015 , 6, 6701	17.4	58
313	STED nanoscopy: a glimpse into the future. <i>Cell and Tissue Research</i> , 2015 , 360, 143-50	4.2	54
312	Gated STED microscopy with time-gated single-photon avalanche diode. <i>Biomedical Optics Express</i> , 2015 , 6, 2258-67	3.5	21
311	20 axial control in 2.5D polymerized structures fabricated with DLW lithography. <i>Optics Express</i> , 2015 , 23, 24850-8	3.3	9
310	Multidisciplinary screening of toxicity induced by silica nanoparticles during sea urchin development. <i>Chemosphere</i> , 2015 , 139, 486-95	8.4	28
309	Exposure of <i>Paracentrotus lividus</i> male gametes to engineered nanoparticles affects skeletal bio-mineralization processes and larval plasticity. <i>Aquatic Toxicology</i> , 2015 , 158, 181-91	5.1	20
308	Fluorescence recovery after photobleaching in material and life sciences: putting theory into practice. <i>Quarterly Reviews of Biophysics</i> , 2015 , 48, 323-87	7	78
307	Image scanning microscopy with a quadrant detector. <i>Optics Letters</i> , 2015 , 40, 5355-8	3	37
306	Sub-wavelength Laser Nanopatterning using Droplet Lenses. <i>Scientific Reports</i> , 2015 , 5, 16199	4.9	24
305	Subdiffraction localization of a nanostructured photosensitizer in bacterial cells. <i>Scientific Reports</i> , 2015 , 5, 15564	4.9	28
304	Microstructure of titanium-cement-lithium disilicate interface in CAD-CAM dental implant crowns: a three-dimensional profilometric analysis. <i>Clinical Implant Dentistry and Related Research</i> , 2015 , 17 Suppl 1, e97-e106	3.9	8
303	Effect of polyphenolic phytochemicals on ectopic oxidative phosphorylation in rod outer segments of bovine retina. <i>British Journal of Pharmacology</i> , 2015 , 172, 3890-903	8.6	23
302	High resolution nanomechanical characterization of multi-domain model membranes by fast Force Volume. <i>Journal of Molecular Recognition</i> , 2015 , 28, 742-50	2.6	10
301	Fabrication of hybrid nanocomposite scaffolds by incorporating ligand-free hydroxyapatite nanoparticles into biodegradable polymer scaffolds and release studies. <i>Beilstein Journal of Nanotechnology</i> , 2015 , 6, 2217-23	3	9

- 300 Dentistry on the Bridge to Nanoscience and Nanotechnology. *Frontiers in Materials*, **2015**, 2, 4 16
- 299 Electrochemical coating of dental implants with anodic porous titania for enhanced osteointegration. *Beilstein Journal of Nanotechnology*, **2015**, 6, 2183-92 3 18
- 298 Correlative nanoscopy: super resolved fluorescence and atomic force microscopy towards nanoscale manipulation and multimodal investigations. *Microscopy and Microanalysis*, **2015**, 21, 2351-2352 0.5 2
- 297 Selective fluorescence functionalization of dye-doped polymerized structures fabricated by direct laser writing (DLW) lithography. *Nanoscale*, **2015**, 7, 20164-70 7.7 5
- 296 The 2015 super-resolution microscopy roadmap. *Journal Physics D: Applied Physics*, **2015**, 48, 443001 3 211
- 295 Fast and cost-effective fabrication of large-area plasmonic transparent biosensor array. *Lab on A Chip*, **2015**, 15, 1343-9 7.2 12
- 294 Photochromic conversion in a red/green cyanobacteriochrome from *Synechocystis* PCC6803: quantum yields in solution and photoswitching dynamics in living *E. coli* cells. *Photochemical and Photobiological Sciences*, **2015**, 14, 229-37 4.2 29
- 293 Excimer Laser-produced Biodegradable Photopolymer Scaffolds Do Not Induce Immune Rejection In Vivo. *Journal of Laser Micro Nanoengineering*, **2015**, 10, 11-14 1 3
- 292 Precisely and accurately localizing single emitters in fluorescence microscopy. *Nature Methods*, **2014**, 11, 253-66 21.6 341
- 291 In vitro investigation of coupling-agent-free dental restorative composite based on nano-porous alumina fillers. *Journal of Dentistry*, **2014**, 42, 279-86 4.8 42
- 290 Gated CW-STED microscopy: a versatile tool for biological nanometer scale investigation. *Methods*, **2014**, 66, 124-30 4.6 49
- 289 A new filtering technique for removing anti-Stokes emission background in gated CW-STED microscopy. *Journal of Biophotonics*, **2014**, 7, 376-80 3.1 31
- 288 Photochemical synthesis: Effect of UV irradiation on gold nanorods morphology. *Journal of Photochemistry and Photobiology A: Chemistry*, **2014**, 275, 7-11 4.7 18
- 287 Fundamentals of Fluorescence Microscopy **2014**, 19
- 286 Synthesis of highly luminescent wurtzite CdSe/CdS giant-shell nanocrystals using a fast continuous injection route. *Journal of Materials Chemistry C*, **2014**, 2, 3439 7.1 75
- 285 Nanoscale Protein Diffusion by Sted-Based Spatiotemporal Fluorescence Correlation Spectroscopy. *Biophysical Journal*, **2014**, 106, 602a 2.9
- 284 13th Conference on Methods and Applications in Fluorescence-MAF-13. *Methods and Applications in Fluorescence*, **2014**, 2, 020201 3.1
- 283 The Importance of Photon Arrival Times in STED Microscopy. *Springer Series on Fluorescence*, **2014**, 283-303 2

282	Nanoscale protein diffusion by STED-based pair correlation analysis. <i>PLoS ONE</i> , 2014 , 9, e99619	3.7	30
281	The dark recovery rate in the photocycle of the bacterial photoreceptor YtvA is affected by the cellular environment and by hydration. <i>PLoS ONE</i> , 2014 , 9, e107489	3.7	11
280	Influence of laser intensity noise on gated CW-STED microscopy. <i>Laser Physics Letters</i> , 2014 , 11, 095603	1.5	12
279	Multi-images deconvolution improves signal-to-noise ratio on gated stimulated emission depletion microscopy. <i>Applied Physics Letters</i> , 2014 , 105, 234106	3.4	31
278	Simultaneous multiplane confocal microscopy using acoustic tunable lenses. <i>Optics Express</i> , 2014 , 22, 19293-301	3.3	62
277	Cholesterol drives a(1-42) interaction with lipid rafts in model membranes. <i>Langmuir</i> , 2014 , 30, 13934-414		24
276	Tunable stability of monodisperse secondary O/W nano-emulsions. <i>Nanoscale</i> , 2014 , 6, 9300-7	7.7	27
275	Laser-induced disaggregation of TiO ₂ nanofillers for uniform nanocomposites. <i>Nanotechnology</i> , 2014 , 25, 125702	3.4	3
274	Cellular level nanomanipulation using atomic force microscope aided with superresolution imaging. <i>Journal of Biomedical Optics</i> , 2014 , 19, 105003	3.5	21
273	Multilayered polyelectrolyte microcapsules: interaction with the enzyme cytochrome C oxidase. <i>PLoS ONE</i> , 2014 , 9, e112192	3.7	6
272	Brain Function: Novel Technologies Driving Novel Understanding 2014 , 299-334		4
271	Basics of Fluorescence and Photophysics 2014 , 111-134		1
270	Multiphoton Fluorescence Microscopy 2014 , 149-159		4
269	Super-resolution Fluorescence Microscopy 2014 , 161-187		2
268	Future Prespective of Fluorescence Microscopy 2014 , 203-207		
267	Image Reconstruction for Fluorescence Microscopy 2014 , 189-202		
266	Super-Resolution Fluorescence Optical Microscopy: Targeted and Stochastic Read-Out Approaches. <i>Advances in Atom and Single Molecule Machines</i> , 2014 , 27-43	0	0
265	General Fluorescence Imaging Techniques 2014 , 135-147		

264	Zooming in on the (Peri)synaptic Extracellular Matrix. <i>Neuromethods</i> , 2014 , 187-203	0.4	3
263	A new quantitative experimental approach to investigate single cell adhesion on multifunctional substrates. <i>Biosensors and Bioelectronics</i> , 2013 , 48, 172-9	11.8	26
262	New findings in ATP supply in rod outer segments: insights for retinopathies. <i>Biology of the Cell</i> , 2013 , 105, 345-58	3.5	21
261	Point Spread Function Engineering for Super-Resolution Single-Photon and Multiphoton Fluorescence Microscopy. <i>Advances in Imaging and Electron Physics</i> , 2013 , 175, 201-219	0.2	
260	Different effects of Alzheimer's peptide A β (1-40) oligomers and fibrils on supported lipid membranes. <i>Biophysical Chemistry</i> , 2013 , 182, 23-9	3.5	41
259	Super-Resolution 3D Reconstruction of Thick Biological Samples: A Computer Vision Perspective 2013 ,		1
258	Adhesion and proliferation of osteoblast-like cells on anodic porous alumina substrates with different morphology. <i>IEEE Transactions on Nanobioscience</i> , 2013 , 12, 106-11	3.4	26
257	Polymerization inhibition by triplet state absorption for nanoscale lithography. <i>Advanced Materials</i> , 2013 , 25, 904-9	24	46
256	A photochromic bacterial photoreceptor with potential for super-resolution microscopy. <i>Photochemical and Photobiological Sciences</i> , 2013 , 12, 231-5	4.2	27
255	Tubulin posttranslational modifications induced by cadmium in the sponge <i>Clathrina clathrus</i> . <i>Aquatic Toxicology</i> , 2013 , 140-141, 98-105	5.1	7
254	Characterization of fatigue resistance in photochromic composite materials for 3D rewritable optical memory applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2013 , 178, 730-735	3.1	11
253	High data output method for 3-D correlative light-electron microscopy using ultrathin cryosections. <i>Methods in Molecular Biology</i> , 2013 , 950, 417-37	1.4	6
252	Laser synthesis of ligand-free bimetallic nanoparticles for plasmonic applications. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 3075-82	3.6	68
251	Release kinetics of gold nanoparticles from collagen microcapsules by total reflection X-ray fluorescence. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013 , 417, 83-88	5.1	12
250	Frequency dependent detection in a STED microscope using modulated excitation light. <i>Optics Express</i> , 2013 , 21, 210-9	3.3	36
249	Two-photon excitation selective plane illumination microscopy (2PE-SPIM) of highly scattering samples: characterization and application. <i>Optics Express</i> , 2013 , 21, 5998-6008	3.3	39
248	Comparative Study of Loading of Anodic Porous Alumina with Silver Nanoparticles Using Different Methods. <i>Materials</i> , 2013 , 6, 206-216	3.5	20
247	Laser-assisted synthesis of <i>Staphylococcus aureus</i> protein-capped silicon quantum dots as bio-functional nanoprobes. <i>Laser Physics Letters</i> , 2013 , 10, 065603	1.5	39

246	High spatial resolution second-harmonic interferometry. <i>Laser Physics Letters</i> , 2013 , 10, 056003	1.5	3
245	Rapid fabrication of rigid biodegradable scaffolds by excimer laser mask projection technique: a comparison between 248 and 308 nm. <i>Laser Physics</i> , 2013 , 23, 035602	1.2	18
244	Effects of nanosilver exposure on cholinesterase activities, CD41, and CDF/LIF-like expression in zebrafish (<i>Danio rerio</i>) larvae. <i>BioMed Research International</i> , 2013 , 2013, 205183	3	22
243	Probing cytoskeletal structures by coupling optical superresolution and AFM techniques for a correlative approach. <i>Cytoskeleton</i> , 2013 , 70, 729-40	2.4	62
242	Functional expression of oxidative phosphorylation proteins in the rod outer segment disc. <i>Cell Biochemistry and Function</i> , 2013 , 31, 532-8	4.2	13
241	Taking three-dimensional two-photon excitation microscopy further: encoding the light for decoding the brain. <i>Microscopy Research and Technique</i> , 2013 , 76, 985-7	2.8	3
240	Sub-diffraction nano manipulation using STED AFM. <i>PLoS ONE</i> , 2013 , 8, e66608	3.7	38
239	Light-sheet confined super-resolution using two-photon photoactivation. <i>PLoS ONE</i> , 2013 , 8, e67667	3.7	50
238	Effect Of Alumina Reinforcing Fillers In BisGMA-based Resin Composites For Dental Applications. <i>Advanced Materials Letters</i> , 2013 , 4, 15-21	2.4	16
237	Atomic force microscopy nanoindentation of a dental restorative midifill composite. <i>Dental Materials</i> , 2012 , 28, 197-203	5.7	15
236	Nanoscopium Nominare Libuit Approaches Towards Optical Nanoscopy and Individual Molecule Localization Microscopy Improvements. <i>Biophysical Journal</i> , 2012 , 102, 4a	2.9	
235	Single-wavelength two-photon excitation-stimulated emission depletion (SW2PE-STED) superresolution imaging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 6390-3	11.5	66
234	Light-Induced Inhibition of Photoluminescence Emission of Core/Shell Semiconductor Nanorods and Its Application for Optical Data Storage. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 25576-25580	3.8	6
233	Strategies to maximize the performance of a STED microscope. <i>Optics Express</i> , 2012 , 20, 7362-74	3.3	88
232	Surface enhanced Raman scattering substrate based on gold-coated anodic porous alumina template. <i>Microelectronic Engineering</i> , 2012 , 97, 383-386	2.5	28
231	Luminescent silicon nanoparticles prepared by ultra short pulsed laser ablation in liquid for imaging applications. <i>Optical Materials Express</i> , 2012 , 2, 510	2.6	72
230	Inhibiting effect of β 1-casein on A β 1-40) fibrillogenesis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012 , 1820, 124-32	4	40
229	A novel nanoscopic tool by combining AFM with STED microscopy. <i>Optical Nanoscopy</i> , 2012 , 1, 3		67

228	Influence of organic solvent on optical and structural properties of ultra-small silicon dots synthesized by UV laser ablation in liquid. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 15406-11	3.6	32
227	Fabrication of large-area ordered and reproducible nanostructures for SERS biosensor application. <i>Analyst, The</i> , 2012 , 137, 1785-92	5	76
226	Effect of precursor solution dark incubation on gold nanorods morphology. <i>Journal of Crystal Growth</i> , 2012 , 361, 159-165	1.6	7
225	Multiphoton Microscopy Advances Toward Super Resolution 2012 , 121-140		1
224	Visualizing GABAB Receptor Internalization and Intracellular Trafficking. <i>Neuromethods</i> , 2012 , 71-95	0.4	
223	3D HDO-CLEM: cellular compartment analysis by correlative light-electron microscopy on cryosection. <i>Methods in Cell Biology</i> , 2012 , 111, 95-115	1.8	9
222	Amyloid- β protein precursor regulates phosphorylation and cellular compartmentalization of microtubule associated protein tau. <i>Journal of Alzheimer's Disease</i> , 2012 , 29, 211-27	4.3	14
221	Imaging of Endocytosis in Paramecium by Confocal Microscopy 2012 ,		1
220	Preparation and characterization of a BisGMA-resin dental restorative composites with glass, silica and titania fillers. <i>Dental Materials Journal</i> , 2012 , 31, 635-44	2.5	22
219	Bioconjugated silicon quantum dots from one-step green synthesis. <i>Nanoscale</i> , 2012 , 4, 1271-4	7.7	70
218	Plasmon bleaching dynamics in colloidal gold-iron oxide nanocrystal heterodimers. <i>Nano Letters</i> , 2012 , 12, 921-6	11.5	30
217	Probing cytoskeleton organisation of neuroblastoma cells with single-cell force spectroscopy. <i>Journal of Molecular Recognition</i> , 2012 , 25, 270-7	2.6	31
216	Photopolymerization inhibition dynamics for sub-diffraction direct laser writing lithography. <i>ChemPhysChem</i> , 2012 , 13, 1429-34	3.2	30
215	Fast scanning STED and two-photon fluorescence excitation microscopy with continuous wave beam. <i>Journal of Microscopy</i> , 2012 , 245, 225-8	1.9	17
214	Towards excimer-laser-based stereolithography: a rapid process to fabricate rigid biodegradable photopolymer scaffolds. <i>Journal of the Royal Society Interface</i> , 2012 , 9, 3017-26	4.1	32
213	Order versus Disorder: in vivo bone formation within osteoconductive scaffolds. <i>Scientific Reports</i> , 2012 , 2, 274	4.9	57
212	Combined Effect of Polishing on Surface Morphology and Elastic Properties of a Commercial Dental Restorative Resin Composite. <i>Science of Advanced Materials</i> , 2012 , 4, 126-134	2.3	8
211	Two-photon fluorescence excitation within a light sheet based microscopy architecture 2011 ,		3

210	Live-cell 3D super-resolution imaging in thick biological samples. <i>Nature Methods</i> , 2011 , 8, 1047-9	21.6	295
209	Optical Fluorescence Microscopy 2011 ,		8
208	Spatial filter based 3D resolution improvement and polarization properties of multiphoton multiple-excitation-spot-optical microscopy. <i>Review of Scientific Instruments</i> , 2011 , 82, 063705	1.7	2
207	Optical Properties of Femtosecond Laser-Synthesized Silicon Nanoparticles in Deionized Water. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 5102-5107	3.8	90
206	Optical data storage in photochromic compounds 2011 ,		1
205	Rod-shaped nanostructures based on superparamagnetic nanocrystals as viscosity sensors in liquid. <i>Journal of Applied Physics</i> , 2011 , 110, 064907	2.5	11
204	Three-dimensional optical data storage through multi-photon confocal microscopy and imaging. <i>Microelectronic Engineering</i> , 2011 , 88, 3466-3469	2.5	9
203	Effect of solvents on the dynamic viscoelastic behavior of poly(methyl methacrylate) film prepared by solvent casting. <i>Journal of Materials Science</i> , 2011 , 46, 5044-5049	4.3	24
202	Permeability Variation Study in Collagen-Based Polymeric Capsules. <i>BioNanoScience</i> , 2011 , 1, 192-197	3.4	3
201	Metabotropic γ -Aminobutyric acid (GABAB) receptors modulate feeding behavior in the calcisponge <i>Leucandra aspera</i> . <i>Journal of Experimental Zoology</i> , 2011 , 315, 132-40		11
200	Ultrafast carrier dynamics in gold/iron-oxide nanocrystal heterodimers. <i>Applied Physics Letters</i> , 2011 , 99, 011907	3.4	17
199	Anodization of aluminium coated atomic force microscopy microcantilevers for conversion of the coating into nanoporous alumina. <i>Microelectronic Engineering</i> , 2011 , 88, 2383-2385	2.5	4
198	Study of dynamic viscoelastic behavior of polystyrene films on addition of oleic acid. <i>Microelectronic Engineering</i> , 2011 , 88, 1849-1851	2.5	9
197	Collagen containing microcapsules: smart containers for disease controlled therapy. <i>Journal of Colloid and Interface Science</i> , 2011 , 357, 56-62	9.3	35
196	"Magnetic force microscopy and energy loss imaging of superparamagnetic iron oxide nanoparticles". <i>Scientific Reports</i> , 2011 , 1, 202	4.9	24
195	Photoinduced variable stiffness of spiropyran-based composites. <i>Applied Physics Letters</i> , 2011 , 99, 201905	3.4	8
194	Two-photon excitation STED-CW microscopy 2011 ,		1
193	Simultaneous multilayer scanning and detection for multiphoton fluorescence microscopy. <i>Scientific Reports</i> , 2011 , 1, 149	4.9	20

192	Role of Scattering and Nonlinear Effects in the Illumination and the Photobleaching Distribution Profiles 2011 , 75-84		0
191	Improving Image Formation by Pushing the Signal-to-Noise Ratio 2011 , 101-110		0
190	Role of Scattering and Nonlinear Effects in the Illumination and the Photobleaching Distribution Profiles 2011 , 75-84		
189	Gamma-amino butyric acid (GABA) release in the ciliated protozoon Paramecium occurs by neuronal-like exocytosis. <i>Journal of Experimental Biology</i> , 2010 , 213, 1251-8	3	9
188	Note: Dynamic point spread function for single and multiphoton fluorescence microscopy. <i>Review of Scientific Instruments</i> , 2010 , 81, 046103	1.7	6
187	Atomic force microscopy in vitro study of surface roughness and fractal character of a dental restoration composite after air-polishing. <i>BioMedical Engineering OnLine</i> , 2010 , 9, 59	4.1	44
186	Very large spot size effect in nanosecond laser drilling efficiency of silicon. <i>Optics Express</i> , 2010 , 18, 23488-94	9.5	33
185	Characterization of fatigue resistance property of photochrome materials for optical storage devices 2010 ,		1
184	NMDA R1 receptor distribution in the cyprid of Balanus amphitrite (=Amphibalanus amphitrite) (Cirripedia, Crustacea). <i>Neuroscience Letters</i> , 2010 , 485, 183-8	3.3	8
183	Urotensin II receptor and acetylcholine release from mouse cervical spinal cord nerve terminals. <i>Neuroscience</i> , 2010 , 170, 67-77	3.9	12
182	Imaging of living mammalian retina ex vivo by confocal laser scanning microscopy. <i>Analytical Methods</i> , 2010 , 2, 1816	3.2	3
181	The GABAergic-like system in the cyprid of Balanus amphitrite (=Amphibalanus amphitrite) (Cirripedia, Crustacea). <i>Biofouling</i> , 2010 , 26, 155-65	3.3	6
180	A novel approach for correlative light electron microscopy analysis. <i>Microscopy Research and Technique</i> , 2010 , 73, 215-24	2.8	26
179	Understanding biological dynamics: following cells and molecules to track functions and mechanisms. <i>European Biophysics Journal</i> , 2010 , 39, 947-57	1.9	3
178	Collagen fibre arrangement and functional crimping pattern of the medial collateral ligament in the rat knee. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2010 , 18, 1671-8	5.5	11
177	Force spectroscopy as a tool to investigate the properties of supported lipid membranes. <i>Microscopy Research and Technique</i> , 2010 , 73, 965-72	2.8	28
176	Combination of atomic force microscopy and principal component analysis as a general method for direct recognition of functional and structural domains in nanocomposite materials. <i>Microscopy Research and Technique</i> , 2010 , 73, 973-81	2.8	3
175	AFM measurement of the stiffness of layers of agarose gel patterned with polylysine. <i>Microscopy Research and Technique</i> , 2010 , 73, 982-90	2.8	13

174	Protection capabilities of nanostructured shells toward cell encapsulation: a Saccharomyces/Paramecium model. <i>Microscopy Research and Technique</i> , 2010 , 73, 931-6	2.8	5
173	Immunochemical or fluorescent labeling of vesicular subcellular fractions for microscopy imaging. <i>Microscopy Research and Technique</i> , 2010 , 73, 1086-90	2.8	7
172	Introduction to special issue on nanophysics. <i>Microscopy Research and Technique</i> , 2010 , 73, 929-30	2.8	1
171	Two-Photon Excitation Microscopy 2010 , 7-1-7-12		1
170	Photobleaching Minimization in Single- and Multi-Photon Fluorescence Imaging 2010 , 8-1-8-28		
169	Applications of Second Harmonic Generation Imaging Microscopy 2010 , 9-1-9-14		
168	Advanced correlative light/electron microscopy: current methods and new developments using Tokuyasu cryosections. <i>Journal of Histochemistry and Cytochemistry</i> , 2009 , 57, 1103-12	3.4	63
167	Presence and distribution of FMRFamide-like immunoreactivity in the cyprid of the barnacle Balanus amphitrite (Cirripedia, Crustacea). <i>Microscopy Research and Technique</i> , 2009 , 72, 101-9	2.8	8
166	Biophysical effects of the natural product euplotin C on the Paramecium membrane. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2009 , 195, 1061-9	2.3	3
165	Application of the split-gradient method to 3D image deconvolution in fluorescence microscopy. <i>Journal of Microscopy</i> , 2009 , 234, 47-61	1.9	25
164	Evidence for aerobic ATP synthesis in isolated myelin vesicles. <i>International Journal of Biochemistry and Cell Biology</i> , 2009 , 41, 1581-91	5.6	81
163	Evidence for aerobic metabolism in retinal rod outer segment disks. <i>International Journal of Biochemistry and Cell Biology</i> , 2009 , 41, 2555-65	5.6	65
162	Annular pupil filter under shot-noise condition for linear and non linear microscopy. <i>Optics Express</i> , 2009 , 17, 6867-80	3.3	7
161	The role of the C-terminus for functional heteromerization of the plant channel KDC1. <i>Biophysical Journal</i> , 2009 , 96, 4063-74	2.9	19
160	Light-driven release from polymeric microcapsules functionalized with bacteriorhodopsin. <i>Journal of the American Chemical Society</i> , 2009 , 131, 9800-4	16.4	45
159	Quantitative fluorescence microscopy techniques. <i>Methods in Molecular Biology</i> , 2009 , 586, 117-42	1.4	19
158	Spatial control of pa-GFP photoactivation in living cells. <i>Journal of Microscopy</i> , 2008 , 230, 48-60	1.9	14
157	Image reconstruction for multiphoton fluorescence microscopy. <i>Applied Physics Letters</i> , 2008 , 92, 103903	3.4	26

156	A new FRAP/FRAPa method for three-dimensional diffusion measurements based on multiphoton excitation microscopy. <i>Biophysical Journal</i> , 2008 , 95, 3457-69	2.9	53
155	Functional expression of release-regulating glycine transporters GLYT1 on GABAergic neurons and GLYT2 on astrocytes in mouse spinal cord. <i>Neurochemistry International</i> , 2008 , 52, 103-12	4.4	44
154	Presynaptic mGlu1 and mGlu5 autoreceptors facilitate glutamate exocytosis from mouse cortical nerve endings. <i>Neuropharmacology</i> , 2008 , 55, 474-82	5.5	47
153	Proteomic analysis of the retinal rod outer segment disks. <i>Journal of Proteome Research</i> , 2008 , 7, 2654-69	6.6	50
152	Endocytic trafficking of Rac is required for the spatial restriction of signaling in cell migration. <i>Cell</i> , 2008 , 134, 135-47	56.2	364
151	Live imaging of mammalian retina: rod outer segments are stained by conventional mitochondrial dyes. <i>Journal of Biomedical Optics</i> , 2008 , 13, 054017	3.5	29
150	Management of sport-related maxillofacial injuries. <i>Journal of Craniofacial Surgery</i> , 2008 , 19, 377-82	1.2	47
149	Nanostructured polyelectrolyte-based system as a toolbox for metal ions detection. <i>Journal of Fluorescence</i> , 2008 , 18, 375-81	2.4	
148	Electric field allowed molecular transitions for one and two photon excitation microscopy. <i>European Biophysics Journal</i> , 2008 , 37, 1073-6	1.9	1
147	Photoactivation of pa-GFP in 3D: optical tools for spatial confinement. <i>European Biophysics Journal</i> , 2008 , 37, 1219-27	1.9	10
146	Structural stability of green fluorescent proteins entrapped in polyelectrolyte nanocapsules. <i>Journal of Biophotonics</i> , 2008 , 1, 310-9	3.1	3
145	Three-dimensional (3D) backward and forward second harmonic generation (SHG) microscopy of biological tissues. <i>Journal of Biophotonics</i> , 2008 , 1, 443-50	3.1	61
144	Lateral resolution improvement in two-photon excitation microscopy by aperture engineering. <i>Optics Communications</i> , 2008 , 281, 1855-1859	2	29
143	High data output and automated 3D correlative light-electron microscopy method. <i>Traffic</i> , 2008 , 9, 1828-38	5.7	47
142	FRET measurements on fuzzy fluorescent nanostructures. <i>Microscopy Research and Technique</i> , 2007 , 70, 452-8	2.8	7
141	Introduction: advanced multiphoton and fluorescence lifetime imaging techniques. <i>Microscopy Research and Technique</i> , 2007 , 70, 397	2.8	2
140	The GABAergic-like system in the marine demosponge <i>Chondrilla nucula</i> . <i>Microscopy Research and Technique</i> , 2007 , 70, 944-51	2.8	14
139	Evidence for ciliary pigment localization in colored ciliates and implications for their photosensory transduction chain: a confocal microscopy study. <i>Microscopy Research and Technique</i> , 2007 , 70, 1028-33	2.8	3

138	Morphology, mechanical properties and viability of encapsulated cells. <i>Ultramicroscopy</i> , 2007 , 107, 913-241	2.4	24
137	Voltage regulation of single green fluorescent protein mutants. <i>Biophysical Chemistry</i> , 2007 , 125, 368-745	3.5	6
136	Characterization of uniform ultrathin layer for z-response measurements in three-dimensional section fluorescence microscopy. <i>Journal of Microscopy</i> , 2007 , 225, 88-95	1.9	7
135	Amyloid precursor protein and Presenilin 1 interaction studied by FRET in human H4 cells. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1096, 249-57	6.5	9
134	Gamma-aminobutyric acid and related molecules in the sea fan Eunicella cavolini (Cnidaria: Octocorallia): a biochemical and immunohistochemical approach. <i>Cell and Tissue Research</i> , 2007 , 329, 187-96	4.2	6
133	Amyloid precursor protein and Presenilin1 interact with the adaptor GRB2 and modulate ERK 1,2 signaling. <i>Journal of Biological Chemistry</i> , 2007 , 282, 13833-44	5.4	75
132	Localization of the cyclic ADP-ribose-dependent calcium signaling pathway in bovine rod outer segments. <i>Investigative Ophthalmology and Visual Science</i> , 2007 , 48, 978-84		9
131	Blue-light (488nm)-irradiation-induced photoactivation of the photoactivatable green fluorescent protein. <i>Applied Physics Letters</i> , 2007 , 91, 133902	3.4	8
130	Reduction of higher-order photobleaching in two-photon excitation microscopy. <i>Physical Review E</i> , 2007 , 75, 061904	2.4	16
129	Markov random field aided Bayesian approach for image reconstruction in confocal microscopy. <i>Journal of Applied Physics</i> , 2007 , 102, 044701	2.5	31
128	Confocal laser scanning microscopy of retinal rod outer segment intact disks: new labeling technique. <i>Journal of Biomedical Optics</i> , 2007 , 12, 050501	3.5	13
127	Pneumomediastinum and cervical emphysema associated with mandibular fracture. <i>Journal of Trauma</i> , 2007 , 63, 924-6		3
126	Role of three-dimensional bleach distribution in confocal and two-photon fluorescence recovery after photobleaching experiments. <i>Applied Optics</i> , 2007 , 46, 7401-11	1.7	33
125	Effect of the bioactive metabolite euplotin C on phagocytosis and fluid-phase endocytosis in the single-celled eukaryote Paramecium. <i>Aquatic Toxicology</i> , 2007 , 85, 67-75	5.1	8
124	Protein synthesis in liposomes with a minimal set of enzymes. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 363, 12-7	3.4	128
123	Two-Photon Excitation Fluorescence Microscopy 2007 , 751-789		6
122	Unfolding time distribution of GFP by single molecule fluorescence spectroscopy. <i>European Biophysics Journal</i> , 2006 , 35, 663-74	1.9	7
121	Shine on ... proteins. <i>Microscopy Research and Technique</i> , 2006 , 69, 149-51	2.8	2

120	3D localized photoactivation of pa-GFP in living cells using two-photon interactions. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2006 , 2006, 389-91		5
119	Endocytosis of GABAB receptors modulates membrane excitability in the single-celled organism <i>Paramecium</i> . <i>Journal of Cell Science</i> , 2006 , 119, 2056-64	5.3	16
118	Optical Microscopy 2006 ,		1
117	Multilayer nanoencapsulation. New approach for immune protection of human pancreatic islets. <i>Nano Letters</i> , 2006 , 6, 1933-9	11.5	156
116	Photobleaching 2006 , 690-702		48
115	Multi-photon excitation microscopy. <i>BioMedical Engineering OnLine</i> , 2006 , 5, 36	4.1	97
114	Fuzzy logic and maximum a posteriori-based image restoration for confocal microscopy. <i>Optics Letters</i> , 2006 , 31, 3582-4	3	16
113	Enhanced Green Fluorescent Protein (GFP) fluorescence after polyelectrolyte caging. <i>Optics Express</i> , 2006 , 14, 9815-24	3.3	5
112	Distribution of choline acetyltransferase immunoreactivity in the alimentary tract of the barnacle <i>Balanus amphitrite</i> (Cirripedia, Crustacea). <i>Neuroscience Letters</i> , 2006 , 409, 230-3	3.3	9
111	The State of the Art in Biological Image Analysis 2006 , 201-206		
110	Multiphoton Microscopy 2006 ,		1
109	T2P-GFP: two-photon photoactivation of PA-GFP in the 720-840 nm spectral region. 2006 , 6089, 175		1
108	Glia re-sealed particles freshly prepared from adult rat brain are competent for exocytotic release of glutamate. <i>Journal of Neurochemistry</i> , 2006 , 96, 656-68	6	87
107	Encapsulated living cells on microstructured surfaces. <i>Langmuir</i> , 2005 , 21, 705-9	4	70
106	A role for GABAA receptors in the modulation of <i>Paramecium</i> swimming behavior. <i>Neuroscience Letters</i> , 2005 , 386, 179-83	3.3	14
105	Two-photon activation and excitation properties of PA-GFP in the 720-920-nm region. <i>Biophysical Journal</i> , 2005 , 89, 1346-52	2.9	89
104	Tracking unfolding and refolding of single GFPmut2 molecules. <i>Biophysical Journal</i> , 2005 , 89, 2033-45	2.9	29
103	Interaction of polyelectrolytes and their composites with living cells. <i>Nano Letters</i> , 2005 , 5, 2605-12	11.5	109

102	Two-photon fluorescence excitation and related techniques in biological microscopy. <i>Quarterly Reviews of Biophysics</i> , 2005 , 38, 97-166	7	235
101	Dimethyl-pep: a DNA probe in two-photon excitation cellular imaging. <i>Biophysical Chemistry</i> , 2005 , 114, 35-41	3.5	23
100	Selective fluorescence recovery after bleaching of single E2GFP proteins induced by two-photon excitation. <i>ChemPhysChem</i> , 2005 , 6, 328-35	3.2	18
99	GABAB receptor intracellular trafficking after internalization in Paramecium. <i>Microscopy Research and Technique</i> , 2005 , 68, 290-5	2.8	11
98	Activation of gamma-aminobutyric acid GAT-1 transporters on glutamatergic terminals of mouse spinal cord mediates glutamate release through anion channels and by transporter reversal. <i>Journal of Neuroscience Research</i> , 2005 , 80, 424-33	4.4	12
97	FMRamide-like immunoreactivity in the sea-fan Eunicella cavolini (Cnidaria: Octocorallia). <i>Cell and Tissue Research</i> , 2005 , 320, 331-6	4.2	9
96	From Microscopy to Nanoscopy: How to Get and Read Optical Data at Single Molecule Level Using Confocal and Two-Photon Excitation Microscopy 2005 , 187-207		
95	Multiphoton switching dynamics of single green fluorescent proteins. <i>Physical Review E</i> , 2004 , 70, 030901.4	2.4	22
94	High sensitivity optical microscope for single molecule spectroscopy studies. <i>Review of Scientific Instruments</i> , 2004 , 75, 2746-2751	1.7	18
93	GABAAreceptor subunits identified inParameciumby immunofluorescence confocal microscopy. <i>FEMS Microbiology Letters</i> , 2004 , 238, 449-453	2.9	12
92	Rapid dissemination of two-photon excitation microscopy prompts new applications. <i>Microscopy Research and Technique</i> , 2004 , 63, 1-2	2.8	7
91	Notes on theory and experimental conditions behind two-photon excitation microscopy. <i>Microscopy Research and Technique</i> , 2004 , 63, 12-7	2.8	15
90	Improvement in volume estimation from confocal sections after image deconvolution. <i>Microscopy Research and Technique</i> , 2004 , 64, 151-5	2.8	19
89	Three-dimensional microscopy migrates to the web with "PowerUp Your Microscope". <i>Microscopy Research and Technique</i> , 2004 , 64, 196-203	2.8	9
88	Single molecule spectroscopic characterization of GFP-MUT2 mutant for two-photon microscopy applications. <i>Microscopy Research and Technique</i> , 2004 , 65, 186-93	2.8	14
87	Introduction: A nanoworld under the microscope--from cell trafficking to molecular machines. <i>Microscopy Research and Technique</i> , 2004 , 65, 167-8	2.8	2
86	Nanocapsules: coating for living cells. <i>IEEE Transactions on Nanobioscience</i> , 2004 , 3, 32-8	3.4	27
85	Superoxide is a mediator of an altruistic aging program in Saccharomyces cerevisiae. <i>Journal of Cell Biology</i> , 2004 , 166, 1055-67	7.3	303

84	GABAA receptor subunits identified in Paramecium by immunofluorescence confocal microscopy. <i>FEMS Microbiology Letters</i> , 2004 , 238, 449-53	2.9	13
83	Scanning algorithms in high-sensitivity two-photon excitation microscopy for single-molecule investigations 2004 , 5323, 319		
82	Nanocapsules [A Novel Tool for Medicine and Science 2004 , 439-446		
81	Single molecule photodynamics by means of one- and two-photon approach. <i>Journal Physics D: Applied Physics</i> , 2003 , 36, 1682-1688	3	11
80	Two-photon excitation microscopy. <i>Advances in Imaging and Electron Physics</i> , 2003 , 195-XII	0.2	9
79	Involvement of p53 in specific anti-neuroectodermal tumor activity of aloe-emodin. <i>International Journal of Cancer</i> , 2003 , 106, 836-47	7.5	57
78	Measurement of the laser pulse width on the microscope objective plane by modulated autocorrelation method. <i>Journal of Microscopy</i> , 2003 , 210, 149-57	1.9	19
77	Encapsulated yeast cells inside Paramecium primaurelia: a model system for protection capability of polyelectrolyte shells. <i>Journal of Microscopy</i> , 2003 , 212, 239-43	1.9	20
76	Two-Photon Photolysis of 2-Nitrobenzaldehyde Monitored by Fluorescent-Labeled Nanocapsules. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 11008-11012	3.4	14
75	Swimming behavior regulation by GABAB receptors in Paramecium. <i>Experimental Cell Research</i> , 2003 , 291, 398-405	4.2	26
74	Two-photon thermal bleaching of single fluorescent molecules. <i>Biophysical Journal</i> , 2003 , 84, 588-98	2.9	56
73	Two-photon interactions at single fluorescent molecule level. <i>Journal of Biomedical Optics</i> , 2003 , 8, 391-5.5	12	
72	SOD2 functions downstream of Sch9 to extend longevity in yeast. <i>Genetics</i> , 2003 , 163, 35-46	4	275
71	Neuronal apoptosis is accompanied by amyloid beta-protein accumulation in the endoplasmic reticulum. <i>Journal of Alzheimer's Disease</i> , 2002 , 4, 31-7	4.3	4
70	Confocal laser scanning microscopy to study formation and properties of polyelectrolyte nanocapsules derived from CdCO ₃ templates. <i>Microscopy Research and Technique</i> , 2002 , 59, 536-41	2.8	31
69	Three-dimensional mapping of cholinergic molecules by confocal laser scanning microscopy in sea urchin larvae. <i>Micron</i> , 2002 , 33, 233-9	2.3	9
68	Mapping cholesteryl ester analogue uptake and intracellular flow in Paramecium by confocal fluorescence microscopy. <i>Journal of Microscopy</i> , 2002 , 208, 167-76	1.9	13
67	Dynamics of green fluorescent protein mutant2 in solution, on spin-coated glasses, and encapsulated in wet silica gels. <i>Protein Science</i> , 2002 , 11, 1152-61	6.3	59

66	Functional imaging of living Paramecium by means of confocal and two-photon excitation fluorescence microscopy 2002 ,		3
65	Two-photon excitation and confocal microscopy investigation of nanostructured polyelectrolyte shells 2002 , 4620, 242		
64	Influence of refractive-index mismatch in high-resolution three-dimensional confocal microscopy. <i>Applied Optics</i> , 2002 , 41, 685-90	1.7	84
63	Unraveling the organization of the internal nuclear matrix: RNA-dependent anchoring of NuMA to a lamin scaffold. <i>Experimental Cell Research</i> , 2002 , 279, 202-18	4.2	67
62	Single Living Cell Encapsulation in Nano-organized Polyelectrolyte Shells. <i>Langmuir</i> , 2002 , 18, 5047-5050		214
61	Microscopical characterization of nanocapsules templated on ionic crystals and biological cells toward biomedical applications. <i>IEEE Transactions on Nanobioscience</i> , 2002 , 1, 110-5	3.4	14
60	Three-dimensional computer-aided reconstruction of FMRFamide immunopositive neuron distribution in the ventral ganglion of the barnacle Balanus amphitrite (Cirripedia, Crustacea). <i>European Journal of Histochemistry</i> , 2001 , 45, 95-104	2.1	9
59	Fluid phase and receptor-mediated endocytosis in Paramecium primaurelia by fluorescence confocal laser scanning microscopy. <i>European Biophysics Journal</i> , 2001 , 30, 305-12	1.9	22
58	Single molecule studies by means of the two-photon fluorescence distribution. <i>Microscopy Research and Technique</i> , 2001 , 55, 359-64	2.8	32
57	Two-photon microscopy and spectroscopy based on a compact confocal scanning head. <i>Journal of Biomedical Optics</i> , 2001 , 6, 300-10	3.5	31
56	Confocal microscopic study of GABA(A) receptors in Xenopus oocytes after rat brain mRNA injection: modulation by tyrosine kinase activity. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2001 , 1539, 93-100	4.9	8
55	Building a Two-Photon Microscope Using a Laser Scanning Confocal Architecture 2001 , 162-179		10
54	Single-pinhole confocal imaging of sub-resolution sparse objects using experimental point spread function and image restoration. <i>Microscopy Research and Technique</i> , 2000 , 51, 464-8	2.8	13
53	Two-photon excitation of fluorescence for three-dimensional optical imaging of biological structures. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2000 , 55, 1-8	6.7	87
52	Changes in the endoplasmic reticulum structure of Paramecium primaurelia in relation to different cellular physiological states. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2000 , 54, 35-42	6.7	10
51	Aloe-emodin is a new type of anticancer agent with selective activity against neuroectodermal tumors. <i>Cancer Research</i> , 2000 , 60, 2800-4	10.1	198
50	A single-pinhole confocal laser scanning microscope for 3-D imaging of biostructures. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 1999 , 18, 106-10		9
49	Two-photon excitation imaging based on a compact scanning head. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 1999 , 18, 18-22, 30		10

48	Cytofluorometry and fluorescence confocal laser scanning microscopy (CLSM) in the study of neutral lipid dynamics in <i>Paramecium primaurelia</i> mating types during cell line development. <i>Cytometry</i> , 1999 , 35, 346-52		2
47	Three-dimensional optical behaviour of a confocal microscope with single illumination and detection pinhole through imaging of subresolution beads. <i>Microscopy Research and Technique</i> , 1999 , 45, 130-1	2.8	20
46	Adapting a compact confocal microscope system to a two-photon excitation fluorescence imaging architecture. <i>Microscopy Research and Technique</i> , 1999 , 47, 196-205	2.8	29
45	Two-photon excitation of fluorescence in three-dimensional microscopy. <i>European Journal of Histochemistry</i> , 1999 , 43, 169-78	2.1	3
44	In situ deposition of ErNi ₂ B ₂ C films by pulsed laser ablation technique. <i>Physica C: Superconductivity and Its Applications</i> , 1998 , 299, 15-22	1.3	13
43	SFM and SEM investigation of CdS layers from Langmuir-Blodgett film templates. <i>Thin Solid Films</i> , 1998 , 327-329, 532-535	2.2	8
42	Two-dimensional growth of atomically smooth YBCO epitaxial films deposited by PLD in a pulsed oxygen flow. <i>Superconductor Science and Technology</i> , 1998 , 11, 737-743	3.1	13
41	Oriented thick films grown by cryoelectrophoretic deposition. <i>Superconductor Science and Technology</i> , 1997 , 10, 142-146	3.1	8
40	Atomic force microscopy. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 1997 , 16, 26-7		6
39	RHEED/AFM analysis of YBCO epitaxial thin films grown by laser MBE. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 679-680	1.3	3
38	Studies on the structure of sperm heads of <i>Eledone cirrhosa</i> by means of CLSM linked to bioimage-oriented devices. <i>Microscopy Research and Technique</i> , 1997 , 36, 159-64	2.8	9
37	Scanning force microscopy for imaging biostructures at high-resolution. <i>European Journal of Histochemistry</i> , 1997 , 41, 7-16	2.1	4
36	Characterizing biostructures and cellular events in 2D/3D [using wide-field and confocal optical sectioning microscopy]. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 1996 , 15, 92-100		15
35	Time-variant analysis of organelle and vesicle movement during phagocytosis in <i>Paramecium primaurelia</i> by means of fluorescence confocal laser scanning microscopy. <i>Microscopy Research and Technique</i> , 1996 , 35, 377-84	2.8	7
34	Effect of fixatives on calf thymocytes chromatin as analyzed by 3D high-resolution fluorescence microscopy. <i>Cytometry</i> , 1996 , 23, 110-9		30
33	Use of stereo vision and 24-bit false-color imagery to enhance visualization of multimodal confocal images 1995 , 2412, 222		6
32	Polarized light scattering: a biophysical method for studying bacterial cells. <i>IEEE Transactions on Biomedical Engineering</i> , 1995 , 42, 1038-43	5	15
31	A CIDS-Activated Cell Sensor for Monitoring DNA Superstructures 1995 , 223-226		

30	A cross-measurement procedure (CMP) for imaging of biological specimens by means of scanning tunnelling microscopy (STM). <i>Bioimaging</i> , 1994 , 2, 93-97		
29	3-D reconstruction in optical microscopy by a frequency-domain approach. <i>Signal Processing</i> , 1993 , 32, 357-366	4.4	12
28	Detection of displacements in the nanometre range by optical tunnelling. <i>Sensors and Actuators A: Physical</i> , 1993 , 37-38, 577-581	3.9	0
27	A performance analysis of an associative system for image classification. <i>Pattern Recognition Letters</i> , 1993 , 14, 861-868	4.7	3
26	Digital filters to restore information from fast scanning tunnelling microscopy images. <i>Journal of Microscopy</i> , 1992 , 165, 311-324	1.9	7
25	Proposal for a new optical device to sense AFM forces. <i>Ultramicroscopy</i> , 1992 , 42-44, 1668-1670	3.1	5
24	Fluorescence cytometry of microtubules and nuclear DNA during cell-cycle and reverse-transformation. <i>Journal of Cellular Biochemistry</i> , 1992 , 50, 201-9	4.7	8
23	Polarized light scattering of nucleosomes and polynucleosomes--in situ and in vitro studies. <i>IEEE Transactions on Biomedical Engineering</i> , 1991 , 38, 670-8	5	26
22	New filtering techniques to restore scanning tunneling microscopy images. <i>Surface Science</i> , 1991 , 251-252, 418-423	1.8	8
21	Changes in DNA superhelical density monitored by polarized light scattering. <i>Biochemical and Biophysical Research Communications</i> , 1991 , 177, 1313-8	3.4	10
20	IMAGO: a complete system for acquisition, processing, two/three-dimensional and temporal display of microscopic bio-images. <i>Computer Methods and Programs in Biomedicine</i> , 1990 , 31, 225-36	6.9	5
19	3D representation of biostructures imaged with an optical microscope. <i>Image and Vision Computing</i> , 1990 , 8, 130-141	3.7	28
18	A Wiener filter with circular-aperture-like point spread function to restore scanning tunneling microscopy (STM) images. <i>Pattern Recognition Letters</i> , 1990 , 11, 553-556	4.7	10
17	MUCIDS: an operative C environment for acquisition and processing of polarized-light scattered from biological specimens. <i>Bioinformatics</i> , 1990 , 6, 229-36	7.2	2
16	Analysis of three-dimensional cell imaging obtained with optical microscopy techniques based on defocusing. <i>Cell Biophysics</i> , 1989 , 15, 189-99		31
15	Native chromatin-DNA structure and cell cycle: differential scanning calorimetry and gel electrophoresis. <i>Thermochimica Acta</i> , 1989 , 152, 307-327	2.9	7
14	Quantitative Image Processing Through Phase Laser-Microscopy 1989 , 1090, 44		
13	Computer acquisition and analysis of thermal profiles from differential scanning calorimeter. <i>Computer Methods and Programs in Biomedicine</i> , 1988 , 27, 75-8	6.9	5

12	Nuclear architecture, intranuclear DNA distribution, and nuclease digestion. <i>Cell Biophysics</i> , 1988 , 13, 1-14	5
11	In situ thermodynamic characterization of chromatin and of other macromolecules during cell cycle. <i>International Journal of Biological Macromolecules</i> , 1988 , 10, 137-144	7-9 13
10	Native chromatin and damage induced by nuclease. <i>Biochemical and Biophysical Research Communications</i> , 1988 , 155, 1396-403	3-4 13
9	Circular intensity differential scattering and chromatin-DNA structure. A combined theoretical approach. <i>Cell Biophysics</i> , 1987 , 10, 45-60	19
8	The Higher Order Structure and Dynamics of Chromatin -DNA 1987 , 204-220	1
7	Microscopical characterization of nanocapsules templated on ionic crystals and biological cells towards bio-medical applications	1
6	Enigma at the nanoscale: can the NPC act as an intrinsic reporter for isotropic expansion microscopy?	2
5	EASY TWO-PHOTON IMAGE-SCANNING MICROSCOPY WITH SPAD ARRAY AND BLIND IMAGE RECONSTRUCTION	2
4	The piRNA pathway sustains adult neurogenesis by reducing protein synthesis and cellular senescence	4
3	Image Scanning Microscopy with Single-Photon Detector Array	1
2	FOURIER RING CORRELATION SIMPLIFIES IMAGE RESTORATION IN FLUORESCENCE MICROSCOPY	3
1	Chromatin nanoscale compaction in live cells visualized by acceptor-donor ratio corrected FRET between DNA dyes	1