

# Paul W Wiseman

## List of Publications by Year in descending order

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124  
papers

5,974  
citations

71097

41  
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79691

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137  
all docs

137  
docs citations

137  
times ranked

6607  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                            | IF   | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | Measuring Fast Dynamics in Solutions and Cells with a Laser Scanning Microscope. <i>Biophysical Journal</i> , 2005, 89, 1317-1327.                                                                                                 | 0.5  | 428       |
| 2  | Spatiotemporal Image Correlation Spectroscopy (STICS) Theory, Verification, and Application to Protein Velocity Mapping in Living CHO Cells. <i>Biophysical Journal</i> , 2005, 88, 3601-3614.                                     | 0.5  | 385       |
| 3  | CaMKII Triggers the Diffusional Trapping of Surface AMPARs through Phosphorylation of Stargazin. <i>Neuron</i> , 2010, 67, 239-252.                                                                                                | 8.1  | 351       |
| 4  | Advances in Image Correlation Spectroscopy: Measuring Number Densities, Aggregation States, and Dynamics of Fluorescently labeled Macromolecules in Cells. <i>Cell Biochemistry and Biophysics</i> , 2007, 49, 141-164.            | 1.8  | 251       |
| 5  | Actin-myosin network reorganization breaks symmetry at the cell rear to spontaneously initiate polarized cell motility. <i>Journal of Cell Biology</i> , 2007, 178, 1207-1221.                                                     | 5.2  | 248       |
| 6  | Spatial mapping of integrin interactions and dynamics during cell migration by Image Correlation Microscopy. <i>Journal of Cell Science</i> , 2004, 117, 5521-5534.                                                                | 2.0  | 211       |
| 7  | Fluctuation Correlation Spectroscopy with a Laser-Scanning Microscope: Exploiting the Hidden Time Structure. <i>Biophysical Journal</i> , 2005, 88, L33-L36.                                                                       | 0.5  | 195       |
| 8  | Live-cell visualization of dynamics of HIV budding site interactions with an ESCRT component. <i>Nature Cell Biology</i> , 2011, 13, 469-474.                                                                                      | 10.3 | 173       |
| 9  | Magnitude and Direction of Vesicle Dynamics in Growing Pollen Tubes Using Spatiotemporal Image Correlation Spectroscopy and Fluorescence Recovery after Photobleaching $\bar{A}$ . <i>Plant Physiology</i> , 2008, 147, 1646-1658. | 4.8  | 167       |
| 10 | Probing the integrin-actin linkage using high-resolution protein velocity mapping. <i>Journal of Cell Science</i> , 2006, 119, 5204-5214.                                                                                          | 2.0  | 165       |
| 11 | Stoichiometry of molecular complexes at adhesions in living cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 2170-2175.                                                  | 7.1  | 158       |
| 12 | Image Correlation Spectroscopy. II. Optimization for Ultrasensitive Detection of Preexisting Platelet-Derived Growth Factor- $\beta$ Receptor Oligomers on Intact Cells. <i>Biophysical Journal</i> , 1999, 76, 963-977.           | 0.5  | 138       |
| 13 | A Guide to Accurate Fluorescence Microscopy Colocalization Measurements. <i>Biophysical Journal</i> , 2006, 91, 4611-4622.                                                                                                         | 0.5  | 130       |
| 14 | Detecting Protein Complexes in Living Cells from Laser Scanning Confocal Image Sequences by the Cross Correlation Raster Image Spectroscopy Method. <i>Biophysical Journal</i> , 2009, 96, 707-716.                                | 0.5  | 130       |
| 15 | Revealing protein oligomerization and densities in situ using spatial intensity distribution analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7010-7015.              | 7.1  | 101       |
| 16 | k-Space Image Correlation Spectroscopy: A Method for Accurate Transport Measurements Independent of Fluorophore Photophysics. <i>Biophysical Journal</i> , 2006, 91, 3061-3075.                                                    | 0.5  | 99        |
| 17 | Third-harmonic generation microscopy by use of a compact, femtosecond fiber laser source. <i>Applied Optics</i> , 1999, 38, 7393.                                                                                                  | 2.1  | 93        |
| 18 | Membrane Lateral Diffusion and Capture of CFTR within Transient Confinement Zones. <i>Biophysical Journal</i> , 2006, 91, 1046-1058.                                                                                               | 0.5  | 81        |

| #  | ARTICLE                                                                                                                                                                                                                                                 | IF   | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Quantification of receptor tyrosine kinase transactivation through direct dimerization and surface density measurements in single cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7016-7021. | 7.1  | 79        |
| 20 | Widefield multiphoton and temporally decorrelated multifocal multiphoton microscopy. <i>Optics Express</i> , 2000, 7, 273.                                                                                                                              | 3.4  | 76        |
| 21 | Sampling Effects, Noise, and Photobleaching in Temporal Image Correlation Spectroscopy. <i>Biophysical Journal</i> , 2006, 90, 628-639.                                                                                                                 | 0.5  | 73        |
| 22 | Sequence-responsive unzipping DNA cubes with tunable cellular uptake profiles. <i>Chemical Science</i> , 2014, 5, 2449-2455.                                                                                                                            | 7.4  | 67        |
| 23 | Collapsin Response Mediator Protein 4 Regulates Growth Cone Dynamics through the Actin and Microtubule Cytoskeleton. <i>Journal of Biological Chemistry</i> , 2014, 289, 30133-30143.                                                                   | 3.4  | 65        |
| 24 | Accuracy and Dynamic Range of Spatial Image Correlation and Cross-Correlation Spectroscopy. <i>Biophysical Journal</i> , 2005, 89, 1251-1260.                                                                                                           | 0.5  | 63        |
| 25 | Probing the "Dark" Fraction of Core-Shell Quantum Dots by Ensemble and Single Particle pH-Dependent Spectroscopy. <i>ACS Nano</i> , 2011, 5, 9062-9073.                                                                                                 | 14.6 | 62        |
| 26 | Improved genetically encoded near-infrared fluorescent calcium ion indicators for in vivo imaging. <i>PLoS Biology</i> , 2020, 18, e3000965.                                                                                                            | 5.6  | 62        |
| 27 | Activity-Dependent Netrin-1 Secretion Drives Synaptic Insertion of GluA1-Containing AMPA Receptors in the Hippocampus. <i>Cell Reports</i> , 2018, 25, 168-182.e6.                                                                                      | 6.4  | 59        |
| 28 | Cholesterol Modulates CFTR Confinement in the Plasma Membrane of Primary Epithelial Cells. <i>Biophysical Journal</i> , 2015, 109, 85-94.                                                                                                               | 0.5  | 58        |
| 29 | Actomyosin-dependent dynamic spatial patterns of cytoskeletal components drive mesoscale podosome organization. <i>Nature Communications</i> , 2016, 7, 13127.                                                                                          | 12.8 | 57        |
| 30 | Modular actin nano-architecture enables podosome protrusion and mechanosensing. <i>Nature Communications</i> , 2019, 10, 5171.                                                                                                                          | 12.8 | 56        |
| 31 | Patterning protein concentration using laser-assisted adsorption by photobleaching, LAPAP. <i>Lab on a Chip</i> , 2008, 8, 2164.                                                                                                                        | 6.0  | 54        |
| 32 | Live-Cell Super-resolution Reveals F-Actin and Plasma Membrane Dynamics at the T Cell Synapse. <i>Biophysical Journal</i> , 2017, 112, 1703-1713.                                                                                                       | 0.5  | 54        |
| 33 | Accurate measurements of protein interactions in cells via improved spatial image cross-correlation spectroscopy. <i>Molecular BioSystems</i> , 2008, 4, 672.                                                                                           | 2.9  | 52        |
| 34 | Enhanced Ca <sup>2+</sup> entry due to Orai1 plasma membrane insertion increases IL-8 secretion by cystic fibrosis airways. <i>FASEB Journal</i> , 2011, 25, 4274-4291.                                                                                 | 0.5  | 51        |
| 35 | Morphological and functional characterization of cholinergic interneurons in the dorsal horn of the mouse spinal cord. <i>Journal of Comparative Neurology</i> , 2011, 519, 3139-3158.                                                                  | 1.6  | 50        |
| 36 | Gephyrin Clusters Are Absent from Small Diameter Primary Afferent Terminals Despite the Presence of GABAA Receptors. <i>Journal of Neuroscience</i> , 2014, 34, 8300-8317.                                                                              | 3.6  | 49        |

| #  | ARTICLE                                                                                                                                                                                                                                                  | IF   | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | Aggregation of PDGF- $\beta$ receptors in human skin fibroblasts: characterization by image correlation spectroscopy (ICS). <i>FEBS Letters</i> , 1997, 401, 43-48.                                                                                      | 2.8  | 47        |
| 38 | Sensitive Detection of Malaria Infection by Third Harmonic Generation Imaging. <i>Biophysical Journal</i> , 2008, 94, L26-L28.                                                                                                                           | 0.5  | 47        |
| 39 | The Integrin-Ligand Interaction Regulates Adhesion and Migration through a Molecular Clutch. <i>PLoS ONE</i> , 2012, 7, e40202.                                                                                                                          | 2.5  | 47        |
| 40 | A Common Mechanism Underlies the Dark Fraction Formation and Fluorescence Blinking of Quantum Dots. <i>ACS Nano</i> , 2009, 3, 1167-1175.                                                                                                                | 14.6 | 45        |
| 41 | STICCS Reveals Matrix-Dependent Adhesion Slipping and Gripping in Migrating Cells. <i>Biophysical Journal</i> , 2012, 103, 1672-1682.                                                                                                                    | 0.5  | 44        |
| 42 | Src-dependent phosphorylation of $\beta$ 2-adaptin dissociates the $\beta$ 2-arrestin-AP-2 complex. <i>Journal of Cell Science</i> , 2007, 120, 1723-1732.                                                                                               | 2.0  | 42        |
| 43 | Bone Ablation without Thermal or Acoustic Mechanical Injury via a Novel Picosecond Infrared Laser (PIRL). <i>Otolaryngology - Head and Neck Surgery</i> , 2014, 150, 385-393.                                                                            | 1.9  | 40        |
| 44 | Vesicle Dynamics during Plant Cell Cytokinesis Reveals Distinct Developmental Phases. <i>Plant Physiology</i> , 2017, 174, 1544-1558.                                                                                                                    | 4.8  | 40        |
| 45 | Investigating membrane protein dynamics in living cells This paper is one of a selection of papers published in this Special Issue, entitled CSBMCB "Membrane Proteins in Health and Disease.. <i>Biochemistry and Cell Biology</i> , 2006, 84, 825-831. | 2.0  | 37        |
| 46 | Microstructural characterization of vocal folds toward a strain-energy model of collagen remodeling. <i>Acta Biomaterialia</i> , 2013, 9, 7957-7967.                                                                                                     | 8.3  | 35        |
| 47 | Detection and Correction of Blinking Bias in Image Correlation Transport Measurements of Quantum Dot Tagged Macromolecules. <i>Biophysical Journal</i> , 2007, 93, 1338-1346.                                                                            | 0.5  | 32        |
| 48 | Nonlinear laser scanning microscopy of human vocal folds. <i>Laryngoscope</i> , 2012, 122, 356-363.                                                                                                                                                      | 2.0  | 32        |
| 49 | Segregation of dopamine and glutamate release sites in dopamine neuron axons: regulation by striatal target cells. <i>FASEB Journal</i> , 2019, 33, 400-417.                                                                                             | 0.5  | 32        |
| 50 | Measurement of Monomer-Oligomer Distributions via Fluorescence Moment Image Analysis. <i>Biophysical Journal</i> , 2006, 91, 3884-3896.                                                                                                                  | 0.5  | 31        |
| 51 | Molecular Flow Quantified beyond the Diffraction Limit by Spatiotemporal Image Correlation of Structured Illumination Microscopy Data. <i>Biophysical Journal</i> , 2014, 107, L21-L23.                                                                  | 0.5  | 30        |
| 52 | Spatial Intensity Distribution Analysis Reveals Abnormal Oligomerization of Proteins in Single Cells. <i>Biophysical Journal</i> , 2015, 109, 710-721.                                                                                                   | 0.5  | 29        |
| 53 | Heat Generation During Ablation of Porcine Skin With Erbium:YAG Laser vs a Novel Picosecond Infrared Laser. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , 2013, 139, 828.                                                                         | 2.2  | 28        |
| 54 | Isolation of Bright Aggregate Fluctuations in a Multipopulation Image Correlation Spectroscopy System Using Intensity Subtraction. <i>Biophysical Journal</i> , 2003, 84, 4011-4022.                                                                     | 0.5  | 27        |

| #  | ARTICLE                                                                                                                                                                                                            | IF   | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 55 | Image Correlation Spectroscopy. <i>Methods in Enzymology</i> , 2013, 518, 245-267.                                                                                                                                 | 1.0  | 27        |
| 56 | Image Correlation Spectroscopy: Principles and Applications. <i>Cold Spring Harbor Protocols</i> , 2015, 2015, pdb.top086124.                                                                                      | 0.3  | 25        |
| 57 | Cortical Polarity of the RING Protein PAR-2 Is Maintained by Exchange Rate Kinetics at the Cortical-Cytoplasmic Boundary. <i>Cell Reports</i> , 2016, 16, 2156-2168.                                               | 6.4  | 25        |
| 58 | Determination of Membrane Protein Transporter Oligomerization in Native Tissue Using Spatial Fluorescence Intensity Fluctuation Analysis. <i>PLoS ONE</i> , 2012, 7, e36215.                                       | 2.5  | 25        |
| 59 | Ultraviolet spectrum of domoic acid. <i>Canadian Journal of Chemistry</i> , 1989, 67, 1421-1425.                                                                                                                   | 1.1  | 24        |
| 60 | Innate Immune-Mediated Neuronal Injury Consequent to Loss of Astrocytes. <i>Journal of Neuropathology and Experimental Neurology</i> , 2008, 67, 590-599.                                                          | 1.7  | 24        |
| 61 | Quantum Dot Fluorescence Characterizes the Nanoscale Organization of T Cell Receptors for Antigen. <i>Biophysical Journal</i> , 2011, 101, L57-L59.                                                                | 0.5  | 24        |
| 62 | Characterization of blinking dynamics in quantum dot ensembles using image correlation spectroscopy. <i>Journal of Applied Physics</i> , 2006, 99, 064503.                                                         | 2.5  | 23        |
| 63 | Semi-automated quantification of filopodial dynamics. <i>Journal of Neuroscience Methods</i> , 2008, 171, 165-173.                                                                                                 | 2.5  | 23        |
| 64 | Plant-derived virus-like particle vaccines drive cross-presentation of influenza A hemagglutinin peptides by human monocyte-derived macrophages. <i>Npj Vaccines</i> , 2019, 4, 17.                                | 6.0  | 23        |
| 65 | Agonists that stimulate secretion promote the recruitment of CFTR into membrane lipid microdomains. <i>Journal of General Physiology</i> , 2019, 151, 834-849.                                                     | 1.9  | 21        |
| 66 | Migration-induced cell shattering due to DOCK8 deficiency causes a type 2 <sup>biased</sup> helper T cell response. <i>Nature Immunology</i> , 2020, 21, 1528-1539.                                                | 14.5 | 21        |
| 67 | Two-photon fluorescent microlithography for live-cell imaging. <i>Microscopy Research and Technique</i> , 2005, 68, 272-276.                                                                                       | 2.2  | 20        |
| 68 | Quantification of Receptor Tyrosine Kinase Activation and Transactivation by G-Protein-Coupled Receptors Using Spatial Intensity Distribution Analysis (SpIDA). <i>Methods in Enzymology</i> , 2013, 522, 109-131. | 1.0  | 20        |
| 69 | Beyond Photobleaching, Laser Illumination Unbinds Fluorescent Proteins. <i>Journal of Physical Chemistry B</i> , 2009, 113, 5225-5233.                                                                             | 2.6  | 19        |
| 70 | Transmission of Mechanical Information by Purinergic Signaling. <i>Biophysical Journal</i> , 2019, 116, 2009-2022.                                                                                                 | 0.5  | 18        |
| 71 | Microstructural and mechanical characterization of scarred vocal folds. <i>Journal of Biomechanics</i> , 2015, 48, 708-711.                                                                                        | 2.1  | 17        |
| 72 | Endocannabinoid signaling enhances visual responses through modulation of intracellular chloride levels in retinal ganglion cells. <i>ELife</i> , 2016, 5, .                                                       | 6.0  | 17        |

| #  | ARTICLE                                                                                                                                                                                              | IF   | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 73 | Counting dendritic spines in brain tissue slices by image correlation spectroscopy analysis. <i>Journal of Microscopy</i> , 2002, 205, 177-186.                                                      | 1.8  | 16        |
| 74 | Optimization of malaria detection based on third harmonic generation imaging of hemozoin. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5431-5440.                                      | 3.7  | 16        |
| 75 | Netrin-1-Regulated Distribution of UNC5B and DCC in Live Cells Revealed by TICCS. <i>Biophysical Journal</i> , 2016, 110, 623-634.                                                                   | 0.5  | 16        |
| 76 | A High-Throughput Image Correlation Method for Rapid Analysis of Fluorophore Photoblinking and Photobleaching Rates. <i>ACS Nano</i> , 2019, 13, 11955-11966.                                        | 14.6 | 15        |
| 77 | Ligand-induced clustering of EGF receptors: A quantitative study by fluorescence image moment analysis. <i>Biophysical Chemistry</i> , 2012, 161, 50-53.                                             | 2.8  | 14        |
| 78 | A guide to accurate measurement of diffusion using fluorescence correlation techniques with blinking quantum dot nanoparticle labels. <i>Journal of Chemical Physics</i> , 2008, 128, 225105.        | 3.0  | 13        |
| 79 | Measuring ligand-receptor binding kinetics and dynamics using k-space image correlation spectroscopy. <i>Methods</i> , 2014, 66, 273-282.                                                            | 3.8  | 13        |
| 80 | Revealing Plasma Membrane Nano-Domains with Diffusion Analysis Methods. <i>Membranes</i> , 2020, 10, 314.                                                                                            | 3.0  | 13        |
| 81 | Bridging the Gap between Single Molecule and Ensemble Methods for Measuring Lateral Dynamics in the Plasma Membrane. <i>PLoS ONE</i> , 2013, 8, e78096.                                              | 2.5  | 11        |
| 82 | Malaria Detection by Third-Harmonic Generation Image Scanning Cytometry. <i>Analytical Chemistry</i> , 2019, 91, 2216-2223.                                                                          | 6.5  | 11        |
| 83 | Investigating CFTR and KCa3.1 Protein/Protein Interactions. <i>PLoS ONE</i> , 2016, 11, e0153665.                                                                                                    | 2.5  | 11        |
| 84 | Spatial Intensity Distribution Analysis (SpIDA). <i>Methods in Cell Biology</i> , 2013, 117, 1-19.                                                                                                   | 1.1  | 10        |
| 85 | Multimodal virtual histology of rabbit vocal folds by nonlinear microscopy and nano computed tomography. <i>Biomedical Optics Express</i> , 2019, 10, 1151.                                          | 2.9  | 10        |
| 86 | Spatially Selective Dissection of Signal Transduction in Neurons Grown on Netrin-1 Printed Nanoarrays via Segmented Fluorescence Fluctuation Analysis. <i>ACS Nano</i> , 2017, 11, 8131-8143.        | 14.6 | 9         |
| 87 | Nonlinear microscopy of common histological stains reveals third harmonic generation harmonophores. <i>Analyst, The</i> , 2019, 144, 3239-3249.                                                      | 3.5  | 9         |
| 88 | Lipid-driven CFTR clustering is impaired in cystic fibrosis and restored by corrector drugs. <i>Journal of Cell Science</i> , 2022, 135, .                                                           | 2.0  | 9         |
| 89 | Viscosities and thermodynamics of viscous flow of binary liquid mixtures of 2-(2-butoxyethoxy)ethanol with aniline and N-alkyl anilines. <i>Canadian Journal of Chemistry</i> , 1992, 70, 2645-2649. | 1.1  | 8         |
| 90 | Second harmonic generation microscopy to investigate collagen configuration: a pericarditis case study. <i>Cardiovascular Pathology</i> , 2010, 19, e125-e128.                                       | 1.6  | 8         |

| #   | ARTICLE                                                                                                                                                                                            | IF  | CITATIONS |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91  | A nu-space for image correlation spectroscopy: characterization and application to measure protein transport in live cells. <i>New Journal of Physics</i> , 2013, 15, 085006.                      | 2.9 | 8         |
| 92  | Image Correlation Spectroscopy for Measurements of Particle Densities and Colocalization. <i>Current Protocols in Cell Biology</i> , 2013, 59, Unit 4.27.1-15.                                     | 2.3 | 8         |
| 93  | Cortical Actin Flow in T Cells Quantified by Spatio-temporal Image Correlation Spectroscopy of Structured Illumination Microscopy Data. <i>Journal of Visualized Experiments</i> , 2015, , e53749. | 0.3 | 8         |
| 94  | FLIM FRET Visualization of Cdc42 Activation by Netrin-1 in Embryonic Spinal Commissural Neuron Growth Cones. <i>PLoS ONE</i> , 2016, 11, e0159405.                                                 | 2.5 | 8         |
| 95  | Morphological and functional characterization of cholinergic interneurons in the dorsal horn of the mouse spinal cord. <i>Journal of Comparative Neurology</i> , 2011, 519, 3139-3158.             | 1.6 | 8         |
| 96  | Easy Measurement of Diffusion Coefficients of EGFP-tagged Plasma Membrane Proteins Using k-Space Image Correlation Spectroscopy. <i>Journal of Visualized Experiments</i> , 2014, , .              | 0.3 | 7         |
| 97  | Recent advances in nonlinear microscopy: Deep insights and polarized revelations. <i>International Journal of Biochemistry and Cell Biology</i> , 2021, 130, 105896.                               | 2.8 | 7         |
| 98  | Velocity landscape correlation resolves multiple flowing protein populations from fluorescence image time series. <i>Methods</i> , 2018, 140-141, 126-139.                                         | 3.8 | 6         |
| 99  | Characterizing Vocal Fold Injury Recovery in a Rabbit Model With Three-dimensional Virtual Histology. <i>Laryngoscope</i> , 2021, 131, 1578-1587.                                                  | 2.0 | 6         |
| 100 | Stoichiometry and Dispersity of DNA Nanostructures Using Photobleaching Pair-Correlation Analysis. <i>Bioconjugate Chemistry</i> , 2017, 28, 2340-2349.                                            | 3.6 | 5         |
| 101 | Two-Color Spatial Cumulant Analysis Detects Heteromeric Interactions between Membrane Proteins. <i>Biophysical Journal</i> , 2019, 117, 1764-1777.                                                 | 0.5 | 5         |
| 102 | Micellar Properties of N-Octylammonium Bromide in Binary Aqueous Mixtures of Butoxyethanol System. <i>Physics and Chemistry of Liquids</i> , 1999, 37, 107-123.                                    | 1.2 | 4         |
| 103 | Wavelet Imaging on Multiple Scales (WIMS) reveals focal adhesion distributions, dynamics and coupling between actomyosin bundle stability. <i>PLoS ONE</i> , 2017, 12, e0186058.                   | 2.5 | 4         |
| 104 | Title is missing!. <i>Journal of Solution Chemistry</i> , 1998, 27, 217-233.                                                                                                                       | 1.2 | 3         |
| 105 | Fabrication of protein gradients for cell culture using a miniature squeegee. <i>Journal of Proteomics</i> , 2008, 70, 1192-1195.                                                                  | 2.4 | 3         |
| 106 | Fluorescence microscopy investigations of ligand propagation and accessibility under adherent cells. <i>Biointerphases</i> , 2010, 5, 139-148.                                                     | 1.6 | 3         |
| 107 | <title>Dynamic image correlation spectroscopy (ICS) and two-color image cross-correlation spectroscopy (ICCS): concepts and application</title>. , 2000, 3919, 14.                                 |     | 2         |
| 108 | Rapid ensemble measurement of protein diffusion and probe blinking dynamics in cells. <i>Biophysical Reports</i> , 2021, 1, 100015.                                                                | 1.2 | 2         |

| #   | ARTICLE                                                                                                                                                                                 | IF  | CITATIONS |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | Activity-dependent alteration of early myelin ensheathment in a developing sensory circuit. <i>Journal of Comparative Neurology</i> , 2022, 530, 871-885.                               | 1.6 | 2         |
| 110 | Fluctuation Imaging Spiced Up with a Piece of PIE. <i>Biophysical Journal</i> , 2013, 105, 831.                                                                                         | 0.5 | 1         |
| 111 | Low-cost multimodal light sheet microscopy for optically cleared tissues and living specimens. <i>Journal of Biomedical Optics</i> , 2016, 21, 1.                                       | 2.6 | 1         |
| 112 | Probing Membrane Heterogeneity with k-space Image Correlation Spectroscopy. <i>Springer Series in Biophysics</i> , 2017, , 147-165.                                                     | 0.4 | 1         |
| 113 | Intracellular Tracking of Influenza Hemagglutinin in Human Monocyte-Derived Macrophages Measured by Image Cross Correlation Spectroscopy. <i>Biophysical Journal</i> , 2019, 116, 135a. | 0.5 | 1         |
| 114 | <title>Live cell studies of adhesion receptors by two-photon image correlation spectroscopy and image cross-correlation spectroscopy</title>. , 2002, , .                               |     | 1         |
| 115 | In Situ Measurement of Oligomerization State of NBCe1 in Kidney Tissues using Spatial Fluorescence Intensity Fluctuation Analysis. <i>FASEB Journal</i> , 2010, 24, 815.3.              | 0.5 | 1         |
| 116 | Viscometric and Density Study of Binary Mixtures of 2,2,2-Trifluoroethanol with Anilines. <i>Physics and Chemistry of Liquids</i> , 1991, 23, 181-188.                                  | 1.2 | 0         |
| 117 | Introduction to Fluorescence and Image Correlation Spectroscopy. <i>Microscopy and Microanalysis</i> , 2004, 10, 246-247.                                                               | 0.4 | 0         |
| 118 | Receptor Transactivation Measured in Live Cells Using Spatial Intensity Distribution Analysis (spida). <i>Biophysical Journal</i> , 2010, 98, 37a-38a.                                  | 0.5 | 0         |
| 119 | Mapping Vesicle Trafficking during Plant Cell Cytokinesis using Spatio-Temporal Image Correlation Spectroscopy. <i>Biophysical Journal</i> , 2012, 102, 378a.                           | 0.5 | 0         |
| 120 | Mapping the Evolution of Molecular Flow Fields in Migrating Cells with Time-Resolved STICCS. <i>Biophysical Journal</i> , 2013, 104, 202a.                                              | 0.5 | 0         |
| 121 | Mesoscale Coordinated Dynamics of Cytoskeletal Components at Mechanosensory Podosomes Shown by Time Resolved STICS. <i>Biophysical Journal</i> , 2013, 104, 143a.                       | 0.5 | 0         |
| 122 | The Role of ROS in Tethering CFTR within Ceramide Platforms at the Plasma Membrane. <i>Biophysical Journal</i> , 2015, 108, 126a-127a.                                                  | 0.5 | 0         |
| 123 | Resolving Dopamine Receptor Dynamics with Spatial, Temporal, and Spectral Sampling. <i>Biophysical Journal</i> , 2018, 114, 6a.                                                         | 0.5 | 0         |
| 124 | Cellular Cartography Mapping Protein Dynamics in Living Cells with novel Image Correlation Techniques. <i>FASEB Journal</i> , 2009, 23, 12.3.                                           | 0.5 | 0         |