

Peter Goodwin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1509228/publications.pdf>

Version: 2024-02-01

74
papers

3,609
citations

159585

30
h-index

133252

59
g-index

75
all docs

75
docs citations

75
times ranked

3493
citing authors

#	ARTICLE	IF	CITATIONS
1	Alterations of Single Molecule Fluorescence Lifetimes in Near-Field Optical Microscopy. <i>Science</i> , 1994, 265, 364-367.	12.6	338
2	Single Molecule Fluorescence Spectroscopy at Ambient Temperature. <i>Chemical Reviews</i> , 1999, 99, 2929-2956.	47.7	325
3	Shape Evolution and Single Particle Luminescence of Organometal Halide Perovskite Nanocrystals. <i>ACS Nano</i> , 2015, 9, 2948-2959.	14.6	252
4	Single molecule detection and photochemistry on a surface using near-field optical excitation. <i>Physical Review Letters</i> , 1994, 72, 160-163.	7.8	225
5	Base-Directed Formation of Fluorescent Silver Clusters. <i>Journal of Physical Chemistry C</i> , 2008, 112, 18776-18782.	3.1	202
6	Single-Molecule Detection in Liquids by Laser-Induced Fluorescence. <i>Accounts of Chemical Research</i> , 1996, 29, 607-613.	15.6	145
7	Rapid sizing of individual fluorescently stained DNA fragments by flow cytometry. <i>Nucleic Acids Research</i> , 1993, 21, 803-806.	14.5	132
8	Detection and lifetime measurement of single molecules in flowing sample streams by laser-induced fluorescence. <i>Applied Physics Letters</i> , 1993, 62, 2030-2032.	3.3	124
9	Three-dimensional tracking of individual quantum dots. <i>Applied Physics Letters</i> , 2007, 91, 224106.	3.3	109
10	Time-Resolved Three-Dimensional Molecular Tracking in Live Cells. <i>Nano Letters</i> , 2010, 10, 4732-4737.	9.1	108
11	Fluorescence photon antibunching from single molecules on a surface. <i>Chemical Physics Letters</i> , 1997, 269, 365-370.	2.6	91
12	Single-Molecule Identification in Flowing Sample Streams by Fluorescence Burst Size and Intraburst Fluorescence Decay Rate. <i>Analytical Chemistry</i> , 1998, 70, 1444-1451.	6.5	88
13	Analysis of fluorescence lifetime data for single Rhodamine molecules in flowing sample streams. <i>Analytical Chemistry</i> , 1994, 66, 64-72.	6.5	81
14	A maximum likelihood estimator to distinguish single molecules by their fluorescence decays. <i>Chemical Physics Letters</i> , 1997, 270, 464-470.	2.6	77
15	Site-specific Dimensions Across a Highly Denatured Protein; A Single Molecule Study. <i>Journal of Molecular Biology</i> , 2005, 352, 672-682.	4.2	68
16	Distinct Conformations of DNA-Stabilized Fluorescent Silver Nanoclusters Revealed by Electrophoretic Mobility and Diffusivity Measurements. <i>Langmuir</i> , 2011, 27, 8923-8933.	3.5	64
17	Temperature measurements of polyimide during KrF excimer laser ablation. <i>Journal of Applied Physics</i> , 1992, 72, 4344-4350.	2.5	61
18	Characterization of DNA Size Determination of Small Fragments by Flow Cytometry. <i>Analytical Chemistry</i> , 1995, 67, 1755-1761.	6.5	59

#	ARTICLE	IF	CITATIONS
37	Resonance ionization spectroscopy of a new $1\sigma^2 1\pi^2$ band system of C ₂ . Journal of Chemical Physics, 1988, 89, 6600-6611.	3.0	23
38	A Split DNA Scaffold for a Green Fluorescent Silver Cluster. Journal of Physical Chemistry C, 2019, 123, 17588-17597.	3.1	23
39	Interfacial molecular interactions of cellobiohydrolase Cel7A and its variants on cellulose. Biotechnology for Biofuels, 2020, 13, 10.	6.2	21
40	H/D isotope effect in the predissociation of C ₂ HD. Journal of Chemical Physics, 1990, 93, 3714-3715.	3.0	20
41	Efficient detection of single molecules eluting off an optically trapped microsphere. Bioimaging, 1998, 6, 33-42.	1.3	20
42	Exonuclease I Hydrolyzes DNA with a Distribution of Rates. Biophysical Journal, 2005, 88, 1403-1412.	0.5	20
43	Observation of an electronic state of C ₂ H near 9 eV by resonance ionization spectroscopy. Journal of Chemical Physics, 1991, 94, 6978-6988.	3.0	19
44	Observation of a new electronic state of C ₂ by resonance ionization spectroscopy. Journal of Chemical Physics, 1988, 88, 4548-4549.	3.0	18
45	Quantitative Tradeoffs between Spatial, Temporal, and Thermometric Resolution of Nonresonant Raman Thermometry for Dynamic Experiments. Applied Spectroscopy, 2014, 68, 1279-1288.	2.2	18
46	Mapping Emission from Clusters of CdSe/ZnS Nanoparticles. Journal of Physical Chemistry C, 2018, 122, 4046-4053.	3.1	18
47	Time-resolved temperature measurements during pulsed laser irradiation using thin film metal thermometers. Review of Scientific Instruments, 1993, 64, 2615-2623.	1.3	16
48	Photophysics of the Red Chromophore of HcRed: Evidence for Cis \rightarrow Trans Isomerization and Protonation-State Changes. Journal of Physical Chemistry B, 2010, 114, 4678-4685.	2.6	15
49	Fluorescence Detection in Hydrodynamically Focused Sample Streams: Reduction of Diffusional Defocusing by Association of Analyte with High-Molecular-Weight Species. Applied Spectroscopy, 1998, 52, 755-762.	2.2	13
50	Light-sheet microscopy by confocal line scanning of dual-Bessel beams. Journal of Biomedical Optics, 2016, 21, 100502.	2.6	13
51	Immobilization of Cyanines in DNA Produces Systematic Increases in Fluorescence Intensity. Journal of Physical Chemistry Letters, 2021, 12, 8963-8971.	4.6	12
52	Design, synthesis, and a novel application of quorum-sensing agonists as potential drug-delivery vehicles. Journal of Drug Targeting, 2011, 19, 528-539.	4.4	11
53	Increasing the Resolution of Single Pair Fluorescence Resonance Energy Transfer Measurements in Solution via Molecular Cytometry. Analytical Chemistry, 2007, 79, 3509-3513.	6.5	10
54	Histopomorphic Evaluation of Radiofrequency Mediated D \rightarrow C Bridement Chondroplasty. The Open Orthopaedics Journal, 2010, 4, 211-220.	0.2	10

#	ARTICLE	IF	CITATIONS
55	Note: Time-gated 3D single quantum dot tracking with simultaneous spinning disk imaging. Review of Scientific Instruments, 2015, 86, 126102.	1.3	8
56	A single nucleobase tunes nonradiative decay in a DNA-bound silver cluster. Journal of Chemical Physics, 2021, 155, 094305.	3.0	8
57	Non-invasive timing of gas gun-launched projectiles using external surface-mounted optical fiber-Bragg grating strain gauges. Review of Scientific Instruments, 2013, 84, 035002.	1.3	7
58	Super-resolution photoluminescence lifetime and intensity mapping of interacting CdSe/CdS quantum dots. Applied Physics Letters, 2020, 116, .	3.3	6
59	A comparison of Raman and pyrometry dynamic temperature measurements of shocked cyclohexane. Journal of Applied Physics, 2021, 129, 075901.	2.5	6
60	Single-Molecule Spectroscopy for Nucleic Acid Analysis: A New Approach for Disease Detection and Genomic Analysis. Current Pharmaceutical Biotechnology, 2004, 5, 271-278.	1.6	5
61	Native Chondrocyte Viability during Cartilage Lesion Progression. Cartilage, 2010, 1, 306-311.	2.7	5
62	Scanning Probe Microscopy of Nanocomposite Membranes and Dynamic Organization. Advanced Functional Materials, 2013, 23, 2576-2591.	14.9	5
63	New flow cytometric technologies for the 21st century. Human Cell, 1997, 10, 3-10.	2.7	5
64	Targeted <i>In Situ</i> Biosynthetic Transcriptional Activation in Native Surface-Level Human Articular Chondrocytes during Lesion Stabilization. Cartilage, 2012, 3, 141-155.	2.7	4
65	Shockwave compression of Ar gas at several initial densities. AIP Conference Proceedings, 2017, , .	0.4	4
66	Shockwave compression and dissociation of ammonia gas. Journal of Chemical Physics, 2019, 150, 024305.	3.0	2
67	A framework for quantitative analysis of spectral data in two channels. Applied Physics Letters, 2020, 117, 024101.	3.3	2
68	Correcting Some Errors. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2011, 27, 1171.	2.7	1
69	A gain series method for accurate EMCCD calibration. Scientific Reports, 2021, 11, 18348.	3.3	1
70	Non-invasive timing of gas gun projectiles with light detection and ranging. Journal of Physics: Conference Series, 2014, 500, 142009.	0.4	0
71	Advancing 3D Single Molecule Tracking by Time-Gating and Fast Simultaneous Spinning Disk Imaging for Contextual Information. Biophysical Journal, 2016, 110, 632a-633a.	0.5	0
72	Light Sheet Microscopy by Dual Line Scanning of Two Bessel Beams. Biophysical Journal, 2017, 112, 145a.	0.5	0

#	ARTICLE	IF	CITATIONS
73	Shock-driven reactions in acrylonitrile. AIP Conference Proceedings, 2018, , .	0.4	0
74	Precision Additive Nanofabrication: The Role of Liquid Ink Transport in the Direct Placement of Quantum Dot Emitters onto Sub-Micrometer Antennas by Dip-Pen Nanolithography (Small 31/2018). Small, 2018, 14, 1870144.	10.0	0