

Giuseppe Chirico

List of Publications by Year in descending order

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182
papers

4,142
citations

136740

32
h-index

149479

56
g-index

185
all docs

185
docs citations

185
times ranked

5887
citing authors

#	ARTICLE	IF	CITATIONS
1	CD14 regulates the dendritic cell life cycle after LPS exposure through NFAT activation. <i>Nature</i> , 2009, 460, 264-268.	13.7	279
2	Two-photon fluorescence excitation and related techniques in biological microscopy. <i>Quarterly Reviews of Biophysics</i> , 2005, 38, 97-166.	2.4	276
3	Gold nanostars for superficial diseases: a promising tool for localized hyperthermia?. <i>Nanomedicine</i> , 2014, 9, 1-3.	1.7	194
4	Kinetics of DNA supercoiling studied by Brownian dynamics simulation. <i>Biopolymers</i> , 1994, 34, 415-433.	1.2	146
5	Self-assembled monolayers of gold nanostars: a convenient tool for near-IR photothermal biofilm eradication. <i>Chemical Communications</i> , 2014, 50, 1969-1971.	2.2	111
6	Triton X-100 for three-plasmon gold nanostars with two photothermally active NIR (near IR) and SWIR (short-wavelength IR) channels. <i>Chemical Communications</i> , 2013, 49, 6265.	2.2	104
7	A Molecular Thermometer for Nanoparticles for Optical Hyperthermia. <i>Nano Letters</i> , 2013, 13, 2004-2010.	4.5	101
8	Quenching and Blinking of Fluorescence of a Single Dye Molecule Bound to Gold Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16491-16498.	1.2	85
9	Thermal and Chemical Stability of Thiol Bonding on Gold Nanostars. <i>Langmuir</i> , 2015, 31, 8081-8091.	1.6	84
10	Synthesis of branched Au nanoparticles with tunable near-infrared LSPR using a zwitterionic surfactant. <i>Chemical Communications</i> , 2011, 47, 1315-1317.	2.2	82
11	Nano-sized CuO, TiO ₂ and ZnO affect <i>Xenopus laevis</i> development. <i>Nanotoxicology</i> , 2012, 6, 381-398.	1.6	78
12	Brownian dynamics simulations of supercoiled DNA with bent sequences. <i>Biophysical Journal</i> , 1996, 71, 955-971.	0.2	77
13	Improvement of a FRET-based Indicator for cAMP by Linker Design and Stabilization of Donor-Acceptor Interaction. <i>Journal of Molecular Biology</i> , 2005, 354, 546-555.	2.0	67
14	IL-15 cis Presentation Is Required for Optimal NK Cell Activation in Lipopolysaccharide-Mediated Inflammatory Conditions. <i>Cell Reports</i> , 2013, 4, 1235-1249.	2.9	66
15	Dynamics of green fluorescent protein mutant2 in solution, on spin-coated glasses, and encapsulated in wet silica gels. <i>Protein Science</i> , 2002, 11, 1152-1161.	3.1	61
16	Two-Photon Thermal Bleaching of Single Fluorescent Molecules. <i>Biophysical Journal</i> , 2003, 84, 588-598.	0.2	60
17	Salt effects on the structure and internal dynamics of superhelical DNAs studied by light scattering and Brownian dynamics. <i>Biophysical Journal</i> , 1997, 73, 2674-2687.	0.2	58
18	Salt-Induced Association of β -Lactoglobulin by Light and X-ray Scattering. <i>Macromolecules</i> , 1999, 32, 6128-6138.	2.2	57

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19	Unfolding of Green Fluorescent Protein mut2 in wet nanoporous silica gels. <i>Protein Science</i> , 2005, 14, 1125-1133.	3.1	57
20	Photobleaching. , 2006, , 690-702.		57
21	Trapped Brownian Motion in Single- and Two-Photon Excitation Fluorescence Correlation Experiments. <i>Journal of Physical Chemistry B</i> , 2002, 106, 2508-2519.	1.2	52
22	Short-Range Interactions of Globular Proteins at High Ionic Strengths. <i>Macromolecules</i> , 2000, 33, 8663-8670.	2.2	51
23	Pre-Unfolding Resonant Oscillations of Single Green Fluorescent Protein Molecules. <i>Science</i> , 2005, 309, 1096-1100.	6.0	50
24	Calculating hydrodynamic properties of DNA through a second-order Brownian dynamics algorithm. <i>Macromolecules</i> , 1992, 25, 769-775.	2.2	47
25	Gold Branched Nanoparticles for Cellular Treatments. <i>Journal of Physical Chemistry C</i> , 2012, 116, 18407-18418.	1.5	46
26	The spatiotemporal organization of cerebellar network activity resolved by two-photon imaging of multiple single neurons. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 92.	1.8	45
27	Fabrication of Inkjet-Printed Gold Nanostar Patterns with Photothermal Properties on Paper Substrate. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9909-9916.	4.0	41
28	Modular approach for bimodal antibacterial surfaces combining photo-switchable activity and sustained biocidal release. <i>Scientific Reports</i> , 2017, 7, 5259.	1.6	39
29	Conformation of short DNA fragments by modulated fluorescence polarization anisotropy. <i>Biopolymers</i> , 1995, 36, 211-225.	1.2	35
30	Role of Pyridoxal 5â€²-Phosphate in the Structural Stabilization of O-Acetylserine Sulfhydrylase. <i>Journal of Biological Chemistry</i> , 2000, 275, 40244-40251.	1.6	35
31	Monolayers of gold nanostars with two near-IR LSPRs capable of additive photothermal response. <i>Chemical Communications</i> , 2015, 51, 12928-12930.	2.2	35
32	Single molecule studies by means of the two-photon fluorescence distribution. <i>Microscopy Research and Technique</i> , 2001, 55, 359-364.	1.2	34
33	Photothermally active nanoparticles as a promising tool for eliminating bacteria and biofilms. <i>Beilstein Journal of Nanotechnology</i> , 2020, 11, 1134-1146.	1.5	34
34	Two-photon microscopy and spectroscopy based on a compact confocal scanning head. <i>Journal of Biomedical Optics</i> , 2001, 6, 300.	1.4	32
35	Tracking Unfolding and Refolding of Single GFPmut2 Molecules. <i>Biophysical Journal</i> , 2005, 89, 2033-2045.	0.2	31
36	Prolonged contact with dendritic cells turns lymph nodeâ€resident <scp>NK</scp> cells into antiâ€tumor effectors. <i>EMBO Molecular Medicine</i> , 2016, 8, 1039-1051.	3.3	30

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37	Fabrication of photothermally active poly(vinyl alcohol) films with gold nanostars for antibacterial applications. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 2040-2048.	1.5	30
38	Biophysical Characterization of Met-G-CSF: Effects of Different Site-Specific Mono-Pegylations on Protein Stability and Aggregation. <i>PLoS ONE</i> , 2012, 7, e42511.	1.1	29
39	Toxicity Evaluation of a New Zn-Doped CuO Nanocomposite With Highly Effective Antibacterial Properties. <i>Toxicological Sciences</i> , 2015, 146, 16-30.	1.4	28
40	Multiphoton switching dynamics of single green fluorescent proteins. <i>Physical Review E</i> , 2004, 70, 030901.	0.8	26
41	Gold Nanostars. <i>SpringerBriefs in Materials</i> , 2015, , .	0.1	26
42	Conformation of interacting lysozyme by polarized and depolarized light scattering. <i>Journal of Chemical Physics</i> , 1999, 110, 2297-2304.	1.2	25
43	Dimethyl-pep: a DNA probe in two-photon excitation cellular imaging. <i>Biophysical Chemistry</i> , 2005, 114, 35-41.	1.5	25
44	Protonation and Conformational Dynamics of GFP Mutants by Two-Photon Excitation Fluorescence Correlation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2008, 112, 8806-8814.	1.2	25
45	Theranostic Nanocages for Imaging and Photothermal Therapy of Prostate Cancer Cells by Active Targeting of Neuropeptide-Y Receptor. <i>Bioconjugate Chemistry</i> , 2016, 27, 2911-2922.	1.8	24
46	Harvesting Light To Produce Heat: Photothermal Nanoparticles for Technological Applications and Biomedical Devices. <i>Chemistry - A European Journal</i> , 2021, 27, 15361-15374.	1.7	24
47	High-throughput spatial light modulation two-photon microscopy for fast functional imaging. <i>Neurophotonics</i> , 2015, 2, 015005.	1.7	23
48	Measurement of the laser pulse width on the microscope objective plane by modulated autocorrelation method. <i>Journal of Microscopy</i> , 2003, 210, 149-157.	0.8	22
49	Novel photo-thermally active polyvinyl alcohol-Prussian blue nanoparticles hydrogel films capable of eradicating bacteria and mitigating biofilms. <i>Nanotechnology</i> , 2019, 30, 295702.	1.3	22
50	Photon correlation spectroscopy of interacting and dissociating hemoglobin. <i>Journal of Chemical Physics</i> , 1997, 106, 8427-8435.	1.2	21
51	Excited-State Lifetime Assay for Protein Detection on Gold Colloidsâ~Fluorophore Complexes. <i>Journal of Physical Chemistry C</i> , 2009, 113, 2722-2730.	1.5	21
52	In Vivo Flow Mapping in Complex Vessel Networks by Single Image Correlation. <i>Scientific Reports</i> , 2014, 4, 7341.	1.6	21
53	1/4MAPPs: a novel phasor approach to second harmonic analysis for in vitro-in vivo investigation of collagen microstructure. <i>Scientific Reports</i> , 2017, 7, 17468.	1.6	21
54	Photo-activated raster scanning thermal imaging at sub-diffraction resolution. <i>Nature Communications</i> , 2019, 10, 5523.	5.8	21

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55	Selective Fluorescence Recovery after Bleaching of Single E2GFP Proteins Induced by Two-Photon Excitation. <i>ChemPhysChem</i> , 2005, 6, 328-335.	1.0	20
56	Three-dimensional cell organization leads to almost immediate HRE activity as demonstrated by molecular imaging of MG-63 spheroids using two-photon excitation microscopy. <i>FEBS Letters</i> , 2007, 581, 719-726.	1.3	20
57	Image filtering for two-photon deep imaging of lymphonodes. <i>European Biophysics Journal</i> , 2008, 37, 979-987.	1.2	20
58	Does carbon nanopowder threaten amphibian development?. <i>Carbon</i> , 2012, 50, 4607-4618.	5.4	20
59	Amphiphilic Copolymers Based on Poly[(hydroxyethyl)-d-aspartamide]: A Suitable Functional Coating for Biocompatible Gold Nanostars. <i>Biomacromolecules</i> , 2013, 14, 4260-4270.	2.6	20
60	Molecular Heterogeneity of O-Acetylserine Sulfhydrylase by Two-Photon Excited Fluorescence Fluctuation Spectroscopy. <i>Biophysical Journal</i> , 2001, 80, 1973-1985.	0.2	19
61	Detection of cAMP and of PKA activity in <i>Saccharomyces cerevisiae</i> single cells using Fluorescence Resonance Energy Transfer (FRET) probes. <i>Biochemical and Biophysical Research Communications</i> , 2017, 487, 594-599.	1.0	19
62	DNA torsional dynamics by multifrequency phase fluorometry. <i>Biopolymers</i> , 1992, 32, 1447-1459.	1.2	18
63	High sensitivity optical microscope for single molecule spectroscopy studies. <i>Review of Scientific Instruments</i> , 2004, 75, 2746-2751.	0.6	18
64	Micelles as Containers for Self-Assembled Nanodevices: A Fluorescent Sensor for Lipophilicity. <i>ChemPhysChem</i> , 2008, 9, 1729-1737.	1.0	18
65	Two-Photon Photolysis of 2-Nitrobenzaldehyde Monitored by Fluorescent-Labeled Nanocapsules. <i>Journal of Physical Chemistry B</i> , 2003, 107, 11008-11012.	1.2	17
66	Single molecule spectroscopic characterization of GFP-mut2 mutant for two-photon microscopy applications. <i>Microscopy Research and Technique</i> , 2004, 65, 186-193.	1.2	17
67	Photon cross-correlation spectroscopy to 10-ns resolution. <i>Applied Optics</i> , 1999, 38, 2059.	2.1	16
68	Rotational dynamics of curved DNA fragments studied by fluorescence polarization anisotropy. <i>European Biophysics Journal</i> , 2001, 29, 597-606.	1.2	16
69	Exciton interactions in oligophenyl nanoaggregates and single crystals. <i>Journal of Chemical Physics</i> , 2002, 117, 4517-4525.	1.2	16
70	Notes on theory and experimental conditions behind two-photon excitation microscopy. <i>Microscopy Research and Technique</i> , 2004, 63, 12-17.	1.2	16
71	Evidence of Discrete Substates and Unfolding Pathways in Green Fluorescent Protein. <i>Biophysical Journal</i> , 2007, 92, 1724-1731.	0.2	16
72	Synthesis of reduced-size gold nanostars and internalization in SH-SY5Y cells. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 1055-1064.	5.0	16

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73	Whole-Section Tumor Micro-Architecture Analysis by a Two-Dimensional Phasor-Based Approach Applied to Polarization-Dependent Second Harmonic Imaging. <i>Frontiers in Oncology</i> , 2019, 9, 527.	1.3	16
74	Triple helix DNA oligomer melting measured by fluorescence polarization anisotropy. <i>European Biophysics Journal</i> , 1998, 27, 137-146.	1.2	15
75	Fluorescence Excitation Volume in Two-Photon Microscopy by Autocorrelation Spectroscopy and Photon Counting Histogram. <i>Applied Spectroscopy</i> , 2000, 54, 1084-1090.	1.2	15
76	Design and synthesis of new functional polymers for nonlinear optical applications. <i>Synthetic Metals</i> , 2003, 139, 629-632.	2.1	15
77	Two-photon fluorescence cross-correlation spectroscopy as a potential tool for high-throughput screening of DNA repair activity. <i>Nucleic Acids Research</i> , 2005, 33, e165-e165.	6.5	15
78	Single molecule photodynamics by means of one- and two-photon approach. <i>Journal Physics D: Applied Physics</i> , 2003, 36, 1682-1688.	1.3	14
79	Two-photon excitation microscopy. <i>Advances in Imaging and Electron Physics</i> , 2003, , 195-XII.	0.1	14
80	Stimulated Emission Properties of Fluorophores by CW-STED Single Molecule Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2013, 117, 16405-16415.	1.2	14
81	Gold nanostars coated with neutral and charged polyethylene glycols: A comparative study of in-vitro biocompatibility and of their interaction with SH-SY5Y neuroblastoma cells. <i>Journal of Inorganic Biochemistry</i> , 2015, 151, 123-131.	1.5	14
82	A Brownian dynamics model for the chromatin fiber. <i>Bioinformatics</i> , 1997, 13, 271-279.	1.8	13
83	Fractional Stokes-Einstein Relationship in Biological Colloids: A Role of Mixed Stick-Slip Boundary Conditions. <i>Journal of Physical Chemistry B</i> , 1999, 103, 1746-1751.	1.2	13
84	Two-photon interactions at single fluorescent molecule level. <i>Journal of Biomedical Optics</i> , 2003, 8, 391.	1.4	13
85	Rotational diffusion and internal motions of circular DNA. I. Polarized photon correlation spectroscopy. <i>Journal of Chemical Physics</i> , 1996, 104, 6009-6019.	1.2	12
86	Role of Ionic Strength on Hemoglobin Interparticle Interactions and Subunit Dissociation from Light Scattering. <i>Macromolecules</i> , 1997, 30, 7849-7855.	2.2	12
87	Two-Photon Fluorescence Polarization Anisotropy Decay on Highly Diluted Solutions by Phase Fluorometry. <i>Applied Spectroscopy</i> , 2001, 55, 311-317.	1.2	12
88	p53 Detection by Fluorescence Lifetime on a Hybrid Fluorescein Isothiocyanate Gold Nanosensor. <i>Journal of Biomedical Nanotechnology</i> , 2009, 5, 683-691.	0.5	12
89	Photoinduced Millisecond Switching Kinetics in the GFPMut2 E222Q Mutant. <i>Journal of Physical Chemistry B</i> , 2010, 114, 4664-4677.	1.2	12
90	An Intermittent Model for Intracellular Motions of Gold Nanostars by k-Space Scattering Image Correlation. <i>Biophysical Journal</i> , 2015, 109, 2246-2258.	0.2	12

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91	Dynamic light scattering from small particles: expected accuracy in hemoglobin data reduction. <i>Applied Optics</i> , 1996, 35, 3763.	2.1	11
92	Gold nanostars co-coated with the Cu(SCP) complex of a tetraazamacrocyclic ligand. <i>Dalton Transactions</i> , 2015, 44, 5652-5661.	1.6	11
93	Photo-thermal and cytotoxic properties of inkjet-printed copper sulfide films on biocompatible latex coated substrates. <i>Applied Surface Science</i> , 2018, 435, 1087-1095.	3.1	11
94	Conformation of intercalated DNA plasmids investigated by circular dichroism and dynamic light scattering. <i>Biophysical Chemistry</i> , 1990, 38, 201-211.	1.5	10
95	Rotational diffusion and internal motions of circular DNA. II. Depolarized photon correlation spectroscopy. <i>Journal of Chemical Physics</i> , 1996, 104, 6020-6026.	1.2	10
96	GFP-mut2 Proteins in Trehalose-Water Matrixes: Spatially Heterogeneous Protein-Water-Sugar Structures. <i>Biophysical Journal</i> , 2007, 93, 284-293.	0.2	10
97	A biophysical model of intracellular distribution and perinuclear accumulation of particulate matter. <i>Biophysical Chemistry</i> , 2011, 158, 134-140.	1.5	10
98	Role of histidine 148 in stability and dynamics of a highly fluorescent GFP variant. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 770-779.	1.1	10
99	Electron multiplying charge-coupled device-based fluorescence cross-correlation spectroscopy for blood velocimetry on zebrafish embryos. <i>Journal of Biomedical Optics</i> , 2014, 19, 067007.	1.4	10
100	Nanocomposite Sprayed Films with Photo-Thermal Properties for Remote Bacteria Eradication. <i>Nanomaterials</i> , 2020, 10, 786.	1.9	10
101	Multiphoton Laser Fabrication of Hybrid Photo-Activable Biomaterials. <i>Sensors</i> , 2021, 21, 5891.	2.1	10
102	Dynamic light scattering from DNA plasmids: Diffusional internal motion. <i>Journal of Molecular Liquids</i> , 1989, 41, 327-345.	2.3	9
103	Light scattering of DNA plasmids containing repeated curved insertions: Anomalous compaction. <i>Biophysical Chemistry</i> , 1992, 45, 101-108.	1.5	9
104	Enhanced Green Fluorescent Protein (GFP) fluorescence after polyelectrolyte caging. <i>Optics Express</i> , 2006, 14, 9815.	1.7	9
105	IRIDE: Interdisciplinary research infrastructure based on dual electron linacs and lasers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 740, 138-146.	0.7	9
106	Image Cross-Correlation Analysis of Time Varying Flows. <i>Analytical Chemistry</i> , 2016, 88, 7115-7122.	3.2	9
107	Gold Nanoparticles for Tissue Engineering. <i>Environmental Chemistry for A Sustainable World</i> , 2018, , 343-390.	0.3	9
108	Photothermally Active Inorganic Nanoparticles: from Colloidal Solutions to Photothermally Active Printed Surfaces and Polymeric Nanocomposite Materials. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4397-4404.	1.0	9

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109	Multiphoton Fabrication of Proteinaceous Nanocomposite Microstructures with Photothermal Activity in the Infrared. <i>Advanced Optical Materials</i> , 2020, 8, 2000584.	3.6	9
110	Torsional-bending infinitesimal dynamics of a DNA chain. , 1996, 38, 801-811.		8
111	Fluorescence Anisotropy in the Frequency Domain by an Optical Microscope. <i>Applied Spectroscopy</i> , 2004, 58, 160-165.	1.2	8
112	Voltage Regulation of Fluorescence Emission of Single Dyes Bound to Gold Nanoparticles. <i>Nano Letters</i> , 2007, 7, 1070-1075.	4.5	8
113	Dynamic Investigation of Interaction of Biocompatible Iron Oxide Nanoparticles with Epithelial Cells for Biomedical Applications. <i>Journal of Biomedical Nanotechnology</i> , 2013, 9, 1556-1569.	0.5	8
114	Random Motion of Chromatin Is Influenced by Lamin A Interconnections. <i>Biophysical Journal</i> , 2018, 114, 2465-2472.	0.2	8
115	Photothermally Responsive Inks for Inkjet Printing Secure Information. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1800095.	1.2	8
116	Solvation thermodynamics of ethidium bromide in mixed solvents. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1988, 84, 979.	1.0	7
117	Aggregation properties of a HEMA-camptothecin copolymer in isotonic solutions. <i>Biophysical Chemistry</i> , 2004, 110, 281-295.	1.5	7
118	Photon Moment Analysis in Cells in the Presence of Photo-Bleaching. <i>Applied Spectroscopy</i> , 2005, 59, 227-236.	1.2	7
119	Unfolding time distribution of GFP by single molecule fluorescence spectroscopy. <i>European Biophysics Journal</i> , 2006, 35, 663-674.	1.2	7
120	Photothermal effect of gold nanostar patterns inkjet-printed on coated paper substrates with different permeability. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 1480-1485.	1.5	7
121	A Miniaturized Imaging Window to Quantify Intravital Tissue Regeneration within a 3D Microscaffold in Longitudinal Studies. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	7
122	Ten microseconds in the life of a superhelix. <i>Journal of Mathematical Chemistry</i> , 1993, 13, 33-43.	0.7	6
123	Influence of ligands on the fluorescence polarisation anisotropy of ethidium bound to DNA. <i>Biophysical Chemistry</i> , 1995, 53, 227-239.	1.5	6
124	Diffusional spinning as a probe of DNA fragments conformation. <i>Journal of Chemical Physics</i> , 1996, 104, 6058-6065.	1.2	6
125	Enhanced Flexibility of a Bulged DNA Fragment from Fluorescence Anisotropy and Brownian Dynamics. <i>Macromolecules</i> , 1998, 31, 695-702.	2.2	6
126	Novel efficient and stable heteroaromatic two-photon absorbing dyes. , 2003, , .		6

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127	Voltage regulation of single green fluorescent protein mutants. <i>Biophysical Chemistry</i> , 2007, 125, 368-374.	1.5	6
128	Spatiotemporal Image Correlation Analysis for 3D Flow Field Mapping in Microfluidic Devices. <i>Analytical Chemistry</i> , 2018, 90, 2277-2284.	3.2	6
129	Dynamic light scattering of DNA: Role of the internal motion. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1989, 11, 745-759.	0.4	5
130	Polyion character of globular proteins detected by translational and rotational diffusion. <i>Physical Review E</i> , 1999, 60, 2148-2153.	0.8	5
131	Environment effects on the oscillatory unfolding kinetics of GFP. <i>European Biophysics Journal</i> , 2007, 36, 795-803.	1.2	5
132	Physical Properties of Gold Nanostars. <i>SpringerBriefs in Materials</i> , 2015, , 25-42.	0.1	5
133	A novel method for spatially-resolved thermal conductivity measurement by super-resolution photo-activated infrared imaging. <i>Materials Today Physics</i> , 2021, 18, 100375.	2.9	5
134	Accumulative Difference Image Protocol for Particle Tracking in Fluorescence Microscopy Tested in Mouse Lymphonodes. <i>PLoS ONE</i> , 2010, 5, e12216.	1.1	5
135	Brownian dynamics simulations of fluorescence fluctuation spectroscopy. <i>European Biophysics Journal</i> , 2001, 30, 129-139.	1.2	4
136	Structural stability of green fluorescent proteins entrapped in polyelectrolyte nanocapsules. <i>Journal of Biophotonics</i> , 2008, 1, 310-319.	1.1	4
137	Applications of Gold Nanostars: Nanosensing, Thermal Therapy, Delivery Systems. <i>SpringerBriefs in Materials</i> , 2015, , 43-59.	0.1	4
138	Suitable Polymeric Coatings to Avoid Localized Surface Plasmon Resonance Hybridization in Printed Patterns of Photothermally Responsive Gold Nanoinks. <i>Molecules</i> , 2020, 25, 2499.	1.7	4
139	Melanin concentration maps by label-free super-resolution photo-thermal imaging on melanoma biopsies. <i>Biomedical Optics Express</i> , 2022, 13, 1173.	1.5	4
140	Rotational diffusion of flexible DNA fragments by modulated fluorescence anisotropy. <i>Journal of Luminescence</i> , 1997, 72-74, 585-586.	1.5	3
141	Effect of the point mutation H148G on GFPmut2 unfolding kinetics by fluorescence spectroscopy. <i>Biophysical Chemistry</i> , 2011, 157, 24-32.	1.5	3
142	Hands-on Fourier analysis by means of far-field diffraction. <i>European Journal of Physics</i> , 2016, 37, 065701.	0.3	3
143	Quantitative active super-resolution thermal imaging: The melanoma case study. <i>Biomolecular Concepts</i> , 2022, 13, 242-255.	1.0	3
144	Protein watching. <i>Nature Photonics</i> , 2009, 3, 81-82.	15.6	2

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145	In-vitro and in-vivo detection of p53 by fluorescence lifetime on a hybrid FITC-gold nanosensor. , 2010, , .		2
146	Diffusionâ€“Photodynamics Coupling in Fluorescence Correlation Spectroscopy Studies of Photoswitchable Green Fluorescent Proteins: An Analytical and Simulative Study. Journal of Physical Chemistry B, 2011, 115, 10311-10321.	1.2	2
147	Photothermal effect of gold nanostars inkjet-printed on coated paper substrate under near-infrared irradiation. , 2016, , .		2
148	Spatiotemporal image correlation analysis of blood flow in branched vessel networks of zebrafish embryos. Journal of Biomedical Optics, 2017, 22, 1.	1.4	2
149	Calculating hydrodynamic properties of DNA through a second-order Brownian dynamics algorithm. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1991, 88, 2561-2566.	0.2	2
150	Adaptive optics microspectrometer for cross-correlation measurement of microfluidic flows. Journal of Biomedical Optics, 2019, 24, 1.	1.4	2
151	Prussian Blue Nanoparticle-Mediated Scalable Thermal Stimulation for In Vitro Neuronal Differentiation. Nanomaterials, 2022, 12, 2304.	1.9	2
152	Simple method for online correction of laser fluctuations in correlation measurements. Review of Scientific Instruments, 2000, 71, 4677.	0.6	1
153	Effect of a trapping force on a photon-counting histogram. Applied Optics, 2002, 41, 593.	2.1	1
154	New two-photon excitation chromophores for cellular imaging. , 2003, , .		1
155	Out of the Randomness: Correlating Noise in Biological Systems. Biophysical Journal, 2018, 114, 2298-2307.	0.2	1
156	Photoacoustic Sensing Instrumentation using 70 W 905 nm Pulsed Laser Source for Proton-Induced Thermoacoustic Effect Emulation. , 2020, , .		1
157	Micro structured tools for cell modeling in the fourth dimension. , 2021, , .		1
158	In Vitroâ€“In Vivo Fluctuation Spectroscopies. , 2011, , 165-181.		1
159	</>A Special Issue on</> Nano- and Micro-Technologies for Biological Targeting, Tracking, Imaging and Sensing. Journal of Biomedical Nanotechnology, 2009, 5, 611-613.	0.5	1
160	Role of solvation on dye fluorescence. Journal of Luminescence, 1988, 40-41, 274-275.	1.5	0
161	Effect of repeated insertions of curved sequences in DNA plasmids: a light-scattering study. , 1993, 1922, 332.		0
162	Study of flexible joints and permanent bends in DNA fragments by brownian dynamics simulations. Theoretical Chemistry Accounts, 1999, 101, 126-130.	0.5	0

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163	Combined confocal and spectroscopic TPE architecture for the identification of single fluorescent molecules. , 2001, , .		0
164	Confocal microscopy: an experimental set up for biomolecule structure investigation based on dynamical fluorescence spectroscopy. , 2003, , .		0
165	Thermal bleaching in single fluorescent molecules under two-photon excitation regime. , 2003, , .		0
166	Response of living cells to nanostructured polyelectrolyte matrices studied by means of 1-, 2-photon excitation microscopy. , 2003, , .		0
167	Scanning algorithms in high-sensitivity two-photon excitation microscopy for single-molecule investigations. , 2004, 5323, 319.		0
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