

Ranieri Bizzarri

List of Publications by Year in descending order

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108
papers

3,196
citations

126907

33
h-index

168389

53
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112
all docs

112
docs citations

112
times ranked

5163
citing authors

#	ARTICLE	IF	CITATIONS
1	An Efficient <i>Aequorea victoria</i> Green Fluorescent Protein for Stimulated Emission Depletion Super-Resolution Microscopy. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2482.	4.1	1
2	Development and Characterization of Novel Probes for Photoacoustic Microscopy. <i>Biophysical Journal</i> , 2021, 120, 363a.	0.5	1
3	New Coumarin Dipicolinate Europium Complexes with a Rich Chemical Speciation and Tunable Luminescence. <i>Molecules</i> , 2021, 26, 1265.	3.8	5
4	Identification of a targetable KRAS-mutant epithelial population in non-small cell lung cancer. <i>Communications Biology</i> , 2021, 4, 370.	4.4	12
5	New 1,3-Disubstituted Benzo[h]Isoquinoline Cyclen-Based Ligand Platform: Synthesis, Eu ³⁺ Multiphoton Sensitization and Imaging Applications. <i>Molecules</i> , 2021, 26, 58.	3.8	0
6	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.	4.1	10
7	ACE2 in the Era of SARS-CoV-2: Controversies and Novel Perspectives. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 588618.	3.5	77
8	Photoacoustic Selective Plane Illumination Microscopy. <i>Biophysical Journal</i> , 2020, 118, 175a.	0.5	0
9	Extremely Low Forces Induce Extreme Axon Growth. <i>Journal of Neuroscience</i> , 2020, 40, 4997-5007.	3.6	38
10	Fluorescence imaging of biochemical relationship between ubiquitinated histone 2A and Polycomb complex protein BMI1. <i>Biophysical Chemistry</i> , 2019, 253, 106225.	2.8	10
11	Lipid-Conjugated Rigidochromic Probe Discloses Membrane Alteration in Model Cells of Krabbe Disease. <i>Biophysical Journal</i> , 2019, 116, 477-486.	0.5	6
12	Unique Photophysical Behavior of Coumarin-Based Viscosity Probes during Molecular Self-Assembly. <i>ACS Omega</i> , 2019, 4, 4785-4792.	3.5	2
13	Impact of Different Mucoadhesive Polymeric Nanoparticles Loaded in Thermosensitive Hydrogels on Transcorneal Administration of 5-Fluorouracil. <i>Pharmaceutics</i> , 2019, 11, 623.	4.5	25
14	Simultaneous Detection of Local Polarizability and Viscosity by a Single Fluorescent Probe in Cells. <i>Biophysical Journal</i> , 2018, 114, 2212-2220.	0.5	8
15	Role of Gln222 in Photoswitching of <i>Aequorea</i> Fluorescent Proteins: A Twisting and H-Bonding Affair?. <i>ACS Chemical Biology</i> , 2018, 13, 2082-2093.	3.4	14
16	Hue-based quantification of mechanochromism towards a cost-effective detection of mechanical strain in polymer systems. <i>Chemical Communications</i> , 2017, 53, 248-251.	4.1	21
17	Fluorescence lifetime microscopy reveals the biologically-related photophysical heterogeneity of oxyblepharismine in light-adapted (blue) <i>Blepharisma japonicum</i> cells. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 1502-1511.	2.9	0
18	Main photophysical properties of oxyblepharismine. <i>Biophysical Chemistry</i> , 2017, 229, 5-10.	2.8	2

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19	Measurement of nanoscale three-dimensional diffusion in the interior of living cells by STED-FCS. <i>Nature Communications</i> , 2017, 8, 65.	12.8	68
20	Nucleocytoplasmic transport in cells with progerin-induced defective nuclear lamina. <i>Biophysical Chemistry</i> , 2017, 229, 77-83.	2.8	12
21	Thermosensitive hydrogel based on chitosan and its derivatives containing medicated nanoparticles for transcorneal administration of 5-fluorouracil. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 633-643.	6.7	47
22	Pressure-Induced Spectral Shifts in GFP Mutants Explained by Molecular Dynamics Simulations. <i>Biophysical Journal</i> , 2016, 110, 377a.	0.5	0
23	Application of the SPLIT-FLCS Method to the Detection of Nanoscale Diffusion in 3D in Live Cells. <i>Biophysical Journal</i> , 2016, 110, 195a.	0.5	1
24	Temperature and pressure effects on GFP mutants: explaining spectral changes by molecular dynamics simulations and TD-DFT calculations. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 12828-12838.	2.8	11
25	LESM: a laser-driven sub-MeV electron source delivering ultra-high dose rate on thin biological samples. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 275401.	2.8	8
26	Quantitative optical lock-in detection for quantitative imaging of switchable and non-switchable components. <i>Microscopy Research and Technique</i> , 2016, 79, 929-937.	2.2	18
27	A fluorescent molecular rotor showing vapochromism, aggregation-induced emission, and environmental sensing in living cells. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3018-3027.	5.5	43
28	Curcumin-Like Compounds Designed to Modify Amyloid Beta Peptide Aggregation Pattern. <i>Biophysical Journal</i> , 2016, 110, 203a.	0.5	1
29	Dolichol: A Component of the Cellular Antioxidant Machinery. <i>Lipids</i> , 2016, 51, 477-486.	1.7	19
30	Organization of inner cellular components as reported by a viscosity-sensitive fluorescent Bodipy probe suitable for phasor approach to FLIM. <i>Biophysical Chemistry</i> , 2016, 208, 17-25.	2.8	18
31	Nanoscale Protein Diffusion by STED-Based Pair Correlation Analysis. <i>Biophysical Journal</i> , 2015, 108, 325a.	0.5	0
32	Unveiling TRPV1 Spatio-Temporal Organization in Live Cell Membranes. <i>PLoS ONE</i> , 2015, 10, e0116900.	2.5	23
33	Dual Fluorescence through Kasha's Rule Breaking: An Unconventional Photomechanism for Intracellular Probe Design. <i>Journal of Physical Chemistry B</i> , 2015, 119, 6144-6154.	2.6	76
34	Cubosome formulations stabilized by a dansyl-conjugated block copolymer for possible nanomedicine applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 129, 87-94.	5.0	62
35	Nanoscale Protein Diffusion by STED-Based Pair Correlation Analysis. <i>PLoS ONE</i> , 2014, 9, e99619.	2.5	35
36	Inhibitory effect of the human liver-derived antimicrobial peptide hepcidin 20 on biofilms of polysaccharide intercellular adhesin (PIA)-positive and PIA-negative strains of <i>Staphylococcus epidermidis</i> . <i>Biofouling</i> , 2014, 30, 435-446.	2.2	62

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37	Live cell cytoplasm staining and selective labeling of intracellular proteins by non-toxic cell-permeant thiophene fluorophores. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 1603.	2.8	22
38	Nanoscale Protein Diffusion by Sted-Based Spatiotemporal Fluorescence Correlation Spectroscopy. <i>Biophysical Journal</i> , 2014, 106, 602a.	0.5	0
39	Imaging of Intracellular Viscosity and Membrane Order by New Molecular Rotors Suitable for Phasor Analysis of Fluorescence Lifetime. <i>Biophysical Journal</i> , 2014, 106, 24a.	0.5	1
40	Cancer-Cell-Targeted Theranostic Cubosomes. <i>Langmuir</i> , 2014, 30, 6228-6236.	3.5	95
41	Imaging intracellular viscosity by a new molecular rotor suitable for phasor analysis of fluorescence lifetime. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 6223-6233.	3.7	31
42	Interaction of CdSe/ZnS quantum dots with the marine diatom <i>Phaeodactylum tricornutum</i> and the green alga <i>Dunaliella tertiolecta</i> : A biophysical approach. <i>Biophysical Chemistry</i> , 2013, 182, 4-10.	2.8	44
43	The effects of ferulic acid on β -amyloid fibrillar structures investigated through experimental and computational techniques. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 2924-2937.	2.4	23
44	Imaging the static dielectric constant in vitro and in living cells by a bioconjugable GFP chromophore analog. <i>Chemical Communications</i> , 2013, 49, 1723.	4.1	18
45	Imaging of Static Dielectric Permittivity In Vitro and in Living Cells by a Bioconjugable GFP Chromophore Analog. <i>Biophysical Journal</i> , 2013, 104, 530a.	0.5	1
46	Laser light polarization plastic visualizer: light scattering distribution and anisotropy. <i>RSC Advances</i> , 2013, 3, 7677.	3.6	5
47	Unveiling LOX-1 receptor interplay with nanopography: mechanotransduction and atherosclerosis onset. <i>Scientific Reports</i> , 2013, 3, 1141.	3.3	20
48	β -Amyloid Amorphous Aggregates Induced by the Small Natural Molecule Ferulic Acid. <i>Journal of Physical Chemistry B</i> , 2013, 117, 13816-13821.	2.6	34
49	Small-scale laser based electron accelerators for biology and medicine: a comparative study of the biological effectiveness. <i>Proceedings of SPIE</i> , 2013, , .	0.8	11
50	Synthesis, Cellular Delivery and <i>In vivo</i> Application of Dendrimer-based pH Sensors. <i>Journal of Visualized Experiments</i> , 2013, , .	0.3	2
51	Iron (III)/multiacrylate-based holographic mixtures. <i>Journal of Applied Physics</i> , 2013, 114, 193101.	2.5	2
52	Fluorescent Recovery after Photobleaching (FRAP) Analysis of Nuclear Export Rates Identifies Intrinsic Features of Nucleocytoplasmic Transport. <i>Journal of Biological Chemistry</i> , 2012, 287, 5554-5561.	3.4	20
53	Fluorescent Proteins. , 2012, , 1325-1348.		0
54	FRAP Analysis of Nuclear Export Rates Identifies Intrinsic Features of Nucleocytoplasmic Transport. <i>Biophysical Journal</i> , 2012, 102, 526a.	0.5	0

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55	Studying Membrane Properties Using Fluorescence Lifetime Imaging Microscopy (FLIM). Springer Series on Fluorescence, 2012, , 215-240.	0.8	4
56	Intracellular pH measurements made simple by fluorescent protein probes and the phasor approach to fluorescence lifetime imaging. Chemical Communications, 2012, 48, 5127.	4.1	46
57	Intact Microtubules Preserve Transient Receptor Potential Vanilloid 1 (TRPV1) Functionality through Receptor Binding. Journal of Biological Chemistry, 2012, 287, 7803-7811.	3.4	28
58	Fluorescence recovery after photobleaching reveals the biochemistry of nucleocytoplasmic exchange. Analytical and Bioanalytical Chemistry, 2012, 403, 2339-2351.	3.7	18
59	Polarization-dependent laser-light structured directionality with polymer composite materials. Materials Letters, 2012, 81, 232-234.	2.6	19
60	Novel Environmentally-Sensitive Fluorescent Probes for Nanoscale Live Cell Imaging. Biophysical Journal, 2011, 100, 3a.	0.5	0
61	The Proton Sensitivity of Fluorescent Proteins: Towards Intracellular pH Indicators. Springer Series on Fluorescence, 2011, , 59-97.	0.8	0
62	Polymer composites with smart optical properties. Soft Matter, 2011, 7, 3689.	2.7	161
63	Cis- \rightarrow trans photoisomerization properties of GFP chromophore analogs. European Biophysics Journal, 2011, 40, 1205-1214.	2.2	22
64	Quantitative Analysis of Tat Peptide Binding to Import Carriers Reveals Unconventional Nuclear Transport Properties. Journal of Biological Chemistry, 2011, 286, 12292-12299.	3.4	25
65	Dendrimer-Based Fluorescent Indicators: In Vitro and In Vivo Applications. PLoS ONE, 2011, 6, e28450.	2.5	33
66	Dolichol: A Natural Biomarker of Aging Endowed With a Photoenhanced Highly-Effective Solar Filter Activity. Recent Patents on Endocrine, Metabolic & Immune Drug Discovery, 2010, 4, 131-137.	0.6	0
67	Delivery and Subcellular Targeting of Dendrimer-Based Fluorescent pH Sensors in Living Cells. Journal of the American Chemical Society, 2010, 132, 18158-18167.	13.7	137
68	Polarity-Sensitive Coumarins Tailored to Live Cell Imaging. Journal of the American Chemical Society, 2010, 132, 1276-1288.	13.7	232
69	Recognition of Protein Binding Events by Polarity-Sensitive Probes. Biophysical Journal, 2010, 98, 181a.	0.5	0
70	Single Amino Acid Replacement Makes Aequorea victoria Fluorescent Proteins Reversibly Photoswitchable. Journal of the American Chemical Society, 2010, 132, 85-95.	13.7	61
71	Threshold temperature luminescent indicators from biodegradable poly(lactic acid)/poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlook	0.7	38
72	Photoswitching of E222Q GFP mutants: α -concerted mechanism of chromophore isomerization and protonation. Photochemical and Photobiological Sciences, 2010, 9, 1307.	2.9	23

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73	Green Fluorescent Proteins as Intracellular pH Indicators. , 2010, , 10-1-10-22.		0
74	A Novel Coumarin Fluorescent Sensor to Probe Polarity Around Biomolecules. Journal of Biomedical Nanotechnology, 2009, 5, 722-729.	1.1	30
75	Probing Nuclear Localization Signal-Importin $\hat{\pm}$ Binding Equilibria in Living Cells. Journal of Biological Chemistry, 2009, 284, 36638-36646.	3.4	42
76	Real-time measurement of endosomal acidification by a novel genetically encoded biosensor. Analytical and Bioanalytical Chemistry, 2009, 393, 1123-1133.	3.7	43
77	Green fluorescent protein based pH indicators for in vivo use: a review. Analytical and Bioanalytical Chemistry, 2009, 393, 1107-1122.	3.7	170
78	One-Pot Synthesis of Gold Nanoshells with High Photon-to-Heat Conversion Efficiency. Journal of Physical Chemistry C, 2009, 113, 7516-7521.	3.1	39
79	Raman Study of Chromophore States in Photochromic Fluorescent Proteins. Journal of the American Chemical Society, 2009, 131, 96-103.	13.7	41
80	Ligand-Selective Photodissociation from [Ru(bpy)(4AP) ₂] ²⁺ : a Spectroscopic and Computational Study. Inorganic Chemistry, 2009, 48, 1469-1481.	4.0	68
81	Structure of [Ru(bpy) _n (AP) _(6-2n)] ²⁺ homogeneous complexes: DFT calculation vs. EXAFS. Journal of Physics: Conference Series, 2009, 190, 012141.	0.4	8
82	Tuning the Transport Properties of HIV-1 Tat Arginine-Rich Motif in Living Cells. Traffic, 2008, 9, 528-539.	2.7	42
83	Tuning the Transport Properties of HIV-1 Tat Arginine-Rich Motif in Living Cells. Traffic, 2008, 9, 2291-2291.	2.7	0
84	<i>Cis</i> $\hat{\rightarrow}$ <i>Trans</i> Photoisomerization of Fluorescent-Protein Chromophores. Journal of Physical Chemistry B, 2008, 112, 10714-10722.	2.6	114
85	In Vivo Study of HIV-1 Tat Arginine-rich Motif Unveils Its Transport Properties. Molecular Therapy, 2007, 15, 1313-1322.	8.2	80
86	Green Fluorescent Protein Ground States: $\hat{\%}$ The Influence of a Second Protonation Site near the Chromophore,. Biochemistry, 2007, 46, 5494-5504.	2.5	60
87	Spectroscopic and Structural Study of Proton and Halide Ion Cooperative Binding to GFP. Biophysical Journal, 2007, 93, 232-244.	0.5	75
88	Development of a Novel GFP-based Ratiometric Excitation and Emission pH Indicator for Intracellular Studies. Biophysical Journal, 2006, 90, 3300-3314.	0.5	145
89	Two Dimensional Patterning of Fluorescent Proteins in Hydrogels. Langmuir, 2006, 22, 29-31.	3.5	9
90	A multiphase model of the dynamics of HBV infection in HBeAg-negative patients during pegylated interferon-alpha2a, lamivudine and combination therapy. Antiviral Therapy, 2006, 11, 197-212.	1.0	15

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91	A Multiphase Model of the Dynamics of HBV Infection in Hbeag-Negative Patients during Pegylated Interferon- α 2A, Lamivudine and Combination Therapy. <i>Antiviral Therapy</i> , 2006, 11, 197-212.	1.0	46
92	Engineered Green Fluorescence Proteins for Proteomics and Biomolecular Electronic Applications. <i>Macromolecular Symposia</i> , 2004, 218, 283-292.	0.7	0
93	Ageing and oxidative stress: A role for dolichol in the antioxidant machinery of cell membranes?. <i>Journal of Alzheimer's Disease</i> , 2004, 6, 129-135.	2.6	55
94	Nanoparticle systems for the targeted release of active principles of proteic nature. <i>Journal of Materials Science: Materials in Medicine</i> , 2003, 14, 705-711.	3.6	14
95	New perspectives for (S)-dolichol and (S)-nordolichol synthesis and biological functions. <i>Biogerontology</i> , 2003, 4, 353-363.	3.9	23
96	Dolichol: a solar filter with UV-absorbing properties which can be photoenhanced. <i>Biogerontology</i> , 2003, 4, 379-386.	3.9	8
97	An investigation of the condensation kinetics in poly(ester-amide) and poly(ester-sulphide) preparation. <i>Macromolecular Symposia</i> , 2003, 197, 315-330.	0.7	0
98	Malolactonate polymers and copolymers for biomedical applications. <i>Macromolecular Symposia</i> , 2003, 197, 303-314.	0.7	4
99	Surface patterning and biological evaluation of semi-interpenetrated poly(HEMA)/poly(alkyl ² -malolactonate)s. <i>Macromolecular Symposia</i> , 2003, 197, 369-380.	0.7	8
100	Synthesis and Characterization of New Malolactonate Polymers and Copolymers for Biomedical Applications. <i>Macromolecules</i> , 2002, 35, 1215-1223.	4.8	59
101	Influence of structural parameters on the ring-opening polymerization of new alkyl malolactonate monomers and on the biocompatibility of polymers therefrom. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 1684-1693.	2.2	12
102	Poly(Ester-Sulfide)s from Oligo(Oxyethylene)Dithiols and Bis(Acrylates). <i>Journal of Bioactive and Compatible Polymers</i> , 2002, 17, 3-21.	2.1	10
103	Patterning of Polymeric Hydrogels for Biomedical Applications. <i>Macromolecular Rapid Communications</i> , 2001, 22, 1284.	3.9	36
104	Synthesis and Characterization of New Poly(Ester-Amide)s Containing Oligo(Oxyethylene) Segments. <i>Journal of Bioactive and Compatible Polymers</i> , 2000, 15, 43-59.	2.1	7
105	Synthesis and Characterization of New Poly(ester-amide)s Containing Oligo(oxyethylene) Segments. <i>Journal of Bioactive and Compatible Polymers</i> , 2000, 15, 43-59.	2.1	4
106	MULTIFUNCTIONAL HYDROPHILIC POLYMERS. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1999, 36, 901-915.	2.2	0
107	Synthesis and Characterization of Segmented Hydrosoluble Poly(Tartaraide)s. <i>Journal of Bioactive and Compatible Polymers</i> , 1999, 14, 504-517.	2.1	8
108	MULTIFUNCTIONAL HYDROPHILIC POLYMERS. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 1999, 36, 901-915.	2.2	5