

Marcia Levitus

List of Publications by Year in descending order

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63
papers

3,979
citations

186265
28
h-index

144013
57
g-index

67
all docs

67
docs citations

67
times ranked

4891
citing authors

#	ARTICLE	IF	CITATIONS
1	MAF moves higher and faster. <i>Methods and Applications in Fluorescence</i> , 2022, 10, 010401.	2.3	1
2	Potassium Glutamate and Glycine Betaine Induce Self-Assembly of the PCNA and β -Sliding Clamps. <i>Biophysical Journal</i> , 2021, 120, 73-85.	0.5	3
3	MAF and fluorescence play their part. <i>Methods and Applications in Fluorescence</i> , 2021, 9, 010401.	2.3	1
4	Photophysical properties of the hemicyanine Dy-630 and its potential as a single-molecule fluorescent probe for biophysical applications. <i>Methods and Applications in Fluorescence</i> , 2020, 8, 015004.	2.3	3
5	MAF leads fluorescence into the new decade. <i>Methods and Applications in Fluorescence</i> , 2020, 8, 010401.	2.3	1
6	Pitching Single-Focus Confocal Data Analysis One Photon at a Time with Bayesian Nonparametrics. <i>Physical Review X</i> , 2020, 10, .	8.9	21
7	Tutorial: measurement of fluorescence spectra and determination of relative fluorescence quantum yields of transparent samples. <i>Methods and Applications in Fluorescence</i> , 2020, 8, 033001.	2.3	40
8	Impact of Cyanine Conformational Restraint in the Near-Infrared Range. <i>Journal of Organic Chemistry</i> , 2020, 85, 5907-5915.	3.2	60
9	An alternative framework for fluorescence correlation spectroscopy. <i>Nature Communications</i> , 2019, 10, 3662.	12.8	53
10	Protein Environment and DNA Orientation Affect Protein-Induced Cy3 Fluorescence Enhancement. <i>Biophysical Journal</i> , 2019, 117, 66-73.	0.5	31
11	Photophysics of single-molecule probes. , 2019, , 15-69.		2
12	Assemblyâ€“disassembly is coupled to the ATPase cycle of tobacco Rubisco activase. <i>Journal of Biological Chemistry</i> , 2018, 293, 19451-19465.	3.4	13
13	Precision and accuracy of single-molecule FRET measurementsâ€”a multi-laboratory benchmark study. <i>Nature Methods</i> , 2018, 15, 669-676.	19.0	350
14	Photophysical characterization of interchromophoric interactions between rhodamine dyes conjugated to proteins. <i>Methods and Applications in Fluorescence</i> , 2018, 6, 045004.	2.3	11
15	Electrostatic Interactions at the Dimer Interface Stabilize the E.Âcoli β Sliding Clamp. <i>Biophysical Journal</i> , 2017, 113, 794-804.	0.5	14
16	Cyanine Conformational Restraint in the Far-Red Range. <i>Journal of the American Chemical Society</i> , 2017, 139, 12406-12409.	18.7	125
17	Mechanism of opening a sliding clamp. <i>Nucleic Acids Research</i> , 2017, 45, 10178-10189.	14.5	19
18	Structural Implications on the Properties of Self-Assembling Supramolecular Hosts for Fluorescent Guests. <i>Langmuir</i> , 2016, 32, 8676-8687.	3.5	10

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19	Demystifying PIFE: The Photophysics Behind the Protein-Induced Fluorescence Enhancement Phenomenon in Cy3. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1819-1823.	4.6	99
20	Intrinsic stability and oligomerization dynamics of DNA processivity clamps. <i>Nucleic Acids Research</i> , 2014, 42, 6476-6486.	14.5	22
21	ATP and Magnesium Promote Cotton Short-Form Ribulose-1,5-bisphosphate Carboxylase/Oxygenase (Rubisco) Activase Hexamer Formation at Low Micromolar Concentrations. <i>Biochemistry</i> , 2014, 53, 7232-7246.	2.5	21
22	Photophysical processes in single molecule organic fluorescent probes. <i>Chemical Society Reviews</i> , 2014, 43, 1057-1075.	38.1	253
23	Protein Oligomerization Equilibria and Kinetics Investigated by Fluorescence Correlation Spectroscopy: A Mathematical Treatment. <i>Journal of Physical Chemistry B</i> , 2014, 118, 12404-12415.	2.6	15
24	Photophysical and Dynamical Properties of Doubly Linked Cy3-DNA Constructs. <i>Journal of Physical Chemistry B</i> , 2014, 118, 152-163.	2.6	45
25	Single Molecule Studies of DNA Replication Processivity Clamps. <i>Biophysical Journal</i> , 2014, 106, 229a.	0.5	0
26	A designed buried salt bridge modulates heterodimerization of a membrane peptide. <i>Biopolymers</i> , 2014, 102, 437-443.	2.4	0
27	Manganese-Induced Triplet Blinking and Photobleaching of Single Molecule Cyanine Dyes. <i>ChemPhysChem</i> , 2013, 14, 3495-3502.	2.1	18
28	Structure, function and assembly of Rubisco activase. <i>FASEB Journal</i> , 2013, 27, 580.5.	0.5	0
29	Real-time monitoring of RAG-catalyzed DNA cleavage unveils dynamic changes in coding end association with the coding end complex. <i>Nucleic Acids Research</i> , 2012, 40, 6082-6096.	14.5	12
30	Investigating the Stoichiometry of RuBisCO Activase by Fluorescence Fluctuation Methods. <i>Biophysical Journal</i> , 2012, 102, 179a.	0.5	0
31	Protein Oligomerization Monitored by Fluorescence Fluctuation Spectroscopy: Self-Assembly of Rubisco Activase. <i>Biophysical Journal</i> , 2012, 103, 949-958.	0.5	36
32	Photobleaching and Blinking of TAMRA Induced by Mn ²⁺ . <i>ChemPhysChem</i> , 2012, 13, 909-913.	2.1	6
33	Probing the Interaction Between Fluorophores and DNA Nucleotides by Fluorescence Correlation Spectroscopy and Fluorescence Quenching. <i>Photochemistry and Photobiology</i> , 2012, 88, 782-791.	2.5	27
34	Cy3-DNA Stacking Interactions Strongly Depend on the Identity of the Terminal Basepair. <i>Biophysical Journal</i> , 2011, 100, 1049-1057.	0.5	68
35	Chemical Kinetics at the Single-Molecule Level. <i>Journal of Chemical Education</i> , 2011, 88, 162-166.	2.3	2
36	Dynamics of Nucleosome Invasion by DNA Binding Proteins. <i>Journal of Molecular Biology</i> , 2011, 411, 430-448.	4.2	125

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37	Cyanine dyes in biophysical research: the photophysics of polymethine fluorescent dyes in biomolecular environments. Quarterly Reviews of Biophysics, 2011, 44, 123-151.	5.7	352
38	Handbook of Fluorescence Spectroscopy and Imaging. From Ensemble to Single Molecules. Herausgegeben von Markus Sauer, Johan Hofkens und Jörg Enderlein.. Angewandte Chemie, 2011, 123, 9179-9180.	2.0	0
39	Sequence-dependent photophysical properties of Cy3-labeled DNA. , 2010, , .		1
40	Relaxation Kinetics by Fluorescence Correlation Spectroscopy: Determination of Kinetic Parameters in the Presence of Fluorescent Impurities. Journal of Physical Chemistry Letters, 2010, 1, 1346-1350.	4.6	10
41	FRET Fluctuation Spectroscopy of Diffusing Biopolymers: Contributions of Conformational Dynamics and Translational Diffusion. Journal of Physical Chemistry B, 2010, 114, 980-986.	2.6	26
42	Sequence-Dependent Enhancement of Cy3 Fluorescence on DNA. Biophysical Journal, 2010, 98, 582a.	0.5	1
43	Nucleobase-Specific Enhancement of Cy3 Fluorescence. Journal of Fluorescence, 2009, 19, 443-448.	2.5	55
44	Photophysics of Backbone Fluorescent DNA Modifications: Reducing Uncertainties in FRET. Journal of Physical Chemistry B, 2009, 113, 7861-7866.	2.6	56
45	DNA sequence-dependent enhancement of Cy3 fluorescence. Photochemical and Photobiological Sciences, 2009, 8, 1105-1110.	2.9	52
46	Applications of Fluorescence Correlation Spectroscopy to the Study of Nucleic Acid Conformational Dynamics. Progress in Molecular Biology and Translational Science, 2008, 82, 33-69.	1.9	11
47	Measuring Conformational Dynamics: A New FCS-FRET Approach. Journal of Physical Chemistry B, 2007, 111, 7392-7400.	2.6	124
48	Fluorescence Properties and Photophysics of the Sulfoindocyanine Cy3 Linked Covalently to DNA. Journal of Physical Chemistry B, 2007, 111, 11064-11074.	2.6	257
49	Rapid spontaneous accessibility of nucleosomal DNA. Nature Structural and Molecular Biology, 2005, 12, 46-53.	8.2	580
50	Fluorescence Measurements on the E.coli DNA Polymerase Clamp Loader: Implications for Conformational Changes During ATP and Clamp Binding. Journal of Molecular Biology, 2004, 336, 1047-1059.	4.2	31
51	One Step Pd(0)-Catalyzed Synthesis, X-ray Analysis, and Photophysical Properties of Cyclopent[hi]aceanthrylene: A Fullerene-like Properties in a Nonalternant Cyclopentafused Aromatic Hydrocarbon. Journal of the American Chemical Society, 2002, 124, 136-143.	13.7	66
52	Photophysical Properties of Coplanar and Twisted 1,4-Bis(9-ethynylantracenyl)benzene. Rotational Equilibration in the Excited States of Diaryalkynes. Journal of Physical Chemistry A, 2002, 106, 1551-1556.	2.5	49
53	Steps To Demarcate the Effects of Chromophore Aggregation and Planarization in Poly(phenyleneethynylene)s. 1. Rotationally Interrupted Conjugation in the Excited States of 1,4-Bis(phenylethynyl)benzene [J. Am. Chem. Soc. 2001, 123, 4259-4265].. Journal of the American Chemical Society. 2002. 124. 8181-8181.	13.7	21
54	Steps To Demarcate the Effects of Chromophore Aggregation and Planarization in Poly(phenyleneethynylene)s. 2. The Photophysics of 1,4-Diethynyl-2-fluorobenzene in Solution and in Crystals. Journal of Organic Chemistry, 2001, 66, 3188-3195.	3.2	41

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55	Steps To Demarcate the Effects of Chromophore Aggregation and Planarization in Poly(phenyleneethynylene)s. 1. Rotationally Interrupted Conjugation in the Excited States of 1,4-Bis(phenylethynyl)benzene. <i>Journal of the American Chemical Society</i> , 2001, 123, 4259-4265.	13.7	335
56	Polarized Electronic Spectroscopy and Photophysical Properties of 9,10-Bis(phenylethynyl)anthracene. <i>Journal of Physical Chemistry A</i> , 2000, 104, 8632-8637.	2.5	101
57	Fluorescence anisotropy of dyes included in crosslinked polystyrene. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1999, 126, 77-82.	3.9	11
58	Photophysical properties of hexapyrrolidine C60 adducts with Th and D3 symmetry: protonation of multiple basic sites. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1999, 127, 13-19.	3.9	2
59	Unusual Luminescence of Hexapyrrolidine Derivatives of C60withThand NovelD3-Symmetry. <i>Journal of the American Chemical Society</i> , 1999, 121, 3246-3247.	13.7	126
60	Photochromism and Thermochromism of Phenanthrospiropyrone in Poly(Alkyl Methacrylates). <i>Journal of Physical Chemistry B</i> , 1999, 103, 1864-1870.	2.6	29
61	Novel Kinetic Model in Amorphous Polymers. Spiropyran~Merocyanine System Revisited. <i>Journal of Physical Chemistry B</i> , 1997, 101, 7680-7686.	2.6	49
62	Direct measurement of the dipole moment of a metastable merocyanine by electromechanical interferometry. <i>Chemical Physics Letters</i> , 1997, 277, 118-124.	2.6	32
63	Rotational Relaxation of Carbocyanines. Comparative Study with the Isomerization Dynamics. <i>The Journal of Physical Chemistry</i> , 1995, 99, 14231-14239.	2.9	46