Lawrence W Miller

List of Publications by Year
in descending order

41 papers	1,865 citations	304602 22 h-index	315616 38 g-index
54 all docs	54 docs citations	54 times ranked	2516 citing authors

#	Article	IF	Citations
1	In vivo protein labeling with trimethoprim conjugates: a flexible chemical tag. Nature Methods, 2005, 2, 255-257.	9.0	282
2	Cytoskeletal coherence requires myosin-IIA contractility. Journal of Cell Science, 2010, 123, 413-423.	1.2	179
3	Time-resolved luminescence resonance energy transfer imaging of proteinâ€“protein interactions in living cells. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13582-13587.	3.3	137
4	Selective chemical labeling of proteins in living cells. Current Opinion in Chemical Biology, 2005, 9, 56-61.	2.8	132
5	Intracellular MLCK1 diversion reverses barrier loss to restore mucosal homeostasis. Nature Medicine, 2019, 25, 690-700.	15.2	102
6	Methotrexate Conjugates: A Molecular In Vivo Protein Tag. Angewandte Chemie - International Edition, 2004, 43, 1672-1675.	7.2	99
7	Optimized Fluorescent Trimethoprim Derivatives for in vivo Protein Labeling. ChemBioChem, 2007, 8, 767-774.	1.3	89
8	Luminescent Terbium Protein Labels for Timeâ€Resolved Microscopy and Screening. Angewandte Chemie - International Edition, 2009, 48, 4990-4992.	7.2	72
9	Timeâ€resolved microscopy for imaging lanthanide luminescence in living cells. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2010, 77A, 1113-1125.	1.1	68
10	Lanthanide-Based Imaging of Proteinâ€“Protein Interactions in Live Cells. Inorganic Chemistry, 2014, 53, 1839-1853.	1.9	65
11	Titanium Dioxide-Coated Silica Waveguides for the Photocatalytic Oxidation of Formic Acid in Water. Environmental Science & Technology, 1999, 33, 2070-2075.	4.6	60
12	Time-gated FRET nanoassemblies for rapid and sensitive intra- and extracellular fluorescence imaging. Science Advances, 2016, 2, e1600265.	4.7	56
13	Conditional Glycosylation in Eukaryotic Cells Using a Biocompatible Chemical Inducer of Dimerization. Journal of the American Chemical Society, 2008, 130, 13186-13187.	6.6	55
14	Ratiometric QD-FRET Sensing of Aqueous H₂S in Vitro. Analytical Chemistry, 2016, 88, 6050-6056.	3.2	47
15	Evaluating the Performance of Time-Gated Live-Cell Microscopy with Lanthanide Probes. Biophysical Journal, 2015, 109, 240-248.	0.2	34
16	In Vitro Detection of Hypoxia Using a Ratiometric Quantum Dot-Based Oxygen Sensor. ACS Sensors, 2016, 1, 1244-1250.	4.0	33
17	Cellâ€Penetrating Peptides as Delivery Vehicles for a Proteinâ€Targeted Terbium Complex. Chemistry - A European Journal, 2012, 18, 10825-10829.	1.7	32
18	(Photo)electrochemical behavior of selected organic compounds on TiO2 electrodes. Overall relevance to heterogeneous photocatalysis. Journal of Photochemistry and Photobiology A: Chemistry, 2000, 130, 145-156.	2.0	27

#	Article	IF	Citations
19	Luminescent Trimethoprimâ€“Polyaminocarboxylate Lanthanide Complex Conjugates for Selective Protein Labeling and Time-Resolved Bioassays. Bioconjugate Chemistry, 2011, 22, 1402-1409.	1.8	27
20	Time-Gated Luminescence Detection of Enzymatically Produced Hydrogen Sulfide: Design, Synthesis, and Application of a Lanthanide-Based Probe. Inorganic Chemistry, 2018, 57, 681-688.	1.9	26
21	An orthogonal dexamethasoneâ€“trimethoprim yeast three-hybrid system. Analytical Biochemistry, 2007, 363, 160-162.	1.1	23
22	How to Build a Timeâ€Gated Luminescence Microscope. Current Protocols in Cytometry, 2014, 67, 2.22.1-2.22.36.	3.7	23
23	Time-gated luminescence microscopy with responsive nonmetal probes for mapping activity of protein kinases in living cells. Chemical Communications, 2012, 48, 8595.	2.2	19
24	Cytoplasmic Delivery and Selective, Multicomponent Labeling with Oligoarginine-Linked Protein Tags. Bioconjugate Chemistry, 2015, 26, 460-465.	1.8	17
25	Brightly Luminescent and Kinetically Inert Lanthanide Bioprobes Based on Linear and Preorganized Chelators. Bioconjugate Chemistry, 2016, 27, 2540-2548.	1.8	17
26	Timeâ€Gated Detection of Cystathionine Î³â€Lyase Activity and Inhibition with a Selective, Luminogenic Hydrogen Sulfide Sensor. Chemistry - A European Journal, 2017, 23, 752-756.	1.7	17
27	Efficient functionalization of aqueous CdSe/ZnS nanocrystals using small-molecule chemical activators. Chemical Communications, 2011, 47, 3532.	2.2	15
28	Time-Resolved Luminescence Resonance Energy Transfer Imaging of Proteinâ€“Protein Interactions in Living Cells. Methods in Enzymology, 2012, 505, 329-345.	0.4	14
29	Mesoporous Metal Oxide Semiconductor-Clad Waveguides. Journal of Physical Chemistry B, 1999, 103, 8490-8492.	1.2	10
30	Time Gated Luminescence Imaging of Immunolabeled Human Tissues. Analytical Chemistry, 2017, 89, 12713-12719.	3.2	10
31	Single-Chain Lanthanide Luminescence Biosensors for Cell-Based Imaging and Screening of Protein-Protein Interactions. IScience, 2020, 23, 101533.	1.9	9
32	An Adaptable Luminescence Resonance Energy Transfer Assay for Measuring and Screening Proteinâ€“Protein Interactions and their Inhibition.. ChemBioChem, 2012, 13, 553-558.	1.3	8
33	Photocatalyst-coated acrylic waveguides for oxidation of organic compounds. Studies in Surface Science and Catalysis, 2000, , 1925-1930.	1.5	5
34	FÃ¶rster resonance energy transfer biosensors for fluorescence and time-gated luminescence analysis of rac1 activity. Scientific Reports, 2022, 12, 5291.	1.6	5
35	Efficient route to pre-organized and linear polyaminopolycarboxylates: Cy-TTHA, Cy-DTPA and mono/di-reactive, tert -butyl protected TTHA/Cy-TTHA. Tetrahedron Letters, 2017, 58, 1441-1444.	0.7	3
36	Lanthanide-based resonance energy transfer biosensors for live-cell applications. Methods in Enzymology, 2021, 651, 291-311.	0.4	3

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37	Fiber-Mediated Titanium Dioxide Photocatalysis. Journal of Advanced Oxidation Technologies, 1998, 3, .	0.5	2
38	AGT/SNAP-Tag: A Versatile Tag for Covalent Protein Labeling. , 0, , 89-107.		2
39	Using the Bacteriophage MS2 Coat Proteinâ€“RNA Binding Interaction to Visualize RNA in Living Cells. , 0, , 163-174.		1
40	Selective Antifolates for Chemically Labeling Proteins in Mammalian Cells. ChemBioChem, 2009, 10, 1462-1464.	1.3	0
41	Frontispiece: Timeâ€Gated Detection of Cystathionine Î³â€Lyase Activity and Inhibition with a Selective, Luminogenic Hydrogen Sulfide Sensor. Chemistry - A European Journal, 2017, 23, .	1.7	0