

List of Publications by Year in
Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40 papers	874 citations	18 h-index	29 g-index
46 ext. papers	1,177 ext. citations	8.5 avg, IF	4.15 L-index

#	Paper	IF	Citations
40	Detecting the insoluble protein aggregates in live cells using an AIE derivative of fluorescent protein chromophore. <i>Sensors and Actuators B: Chemical</i> , 2022 , 353, 131098	8.5	0
39	Derivatizing merocyanine dyes to balance their polarity and viscosity sensitivities for protein aggregation detection. <i>Chemical Communications</i> , 2021 , 57, 13313-13316	5.8	0
38	Chemical Biology Toolbox to Visualize Protein Aggregation in Live Cells. <i>ChemBioChem</i> , 2021 ,	3.8	2
37	A quinoline derived D-A-D type fluorescent probe for sensing tetrameric transthyretin. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021 , 52, 128408	2.9	1
36	Monitoring the Dynamics of Proteome Aggregation in Live Cells Using a Solubilized and Noncovalent Analogue of Fluorescent Protein Chromophores. <i>Analytical Chemistry</i> , 2021 , 93, 1717-1724	7.8	16
35	Covalent Probes for Aggregated Protein Imaging via Michael Addition. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 11335-11343	16.4	12
34	Covalent Probes for Aggregated Protein Imaging via Michael Addition. <i>Angewandte Chemie</i> , 2021 , 133, 11436-11444	3.6	4
33	Rational Design of Crystallization-Induced-Emission Probes To Detect Amorphous Protein Aggregation in Live Cells. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 16067-16076	16.4	11
32	Rational Design of Crystallization-Induced-Emission Probes To Detect Amorphous Protein Aggregation in Live Cells. <i>Angewandte Chemie</i> , 2021 , 133, 16203-16212	3.6	0
31	Quantitative interrogation of protein co-aggregation using multi-color fluorogenic protein aggregation sensors. <i>Chemical Science</i> , 2021 , 12, 8468-8476	9.4	7
30	Common Pitfalls and Recommendations for Using a Turbidity Assay to Study Protein Phase Separation. <i>Biochemistry</i> , 2021 , 60, 2447-2456	3.2	
29	Illuminating Protein Phase Separation: Reviewing Aggregation-Induced Emission, Fluorescent Molecular Rotor and Solvatochromic Fluorophore Based Probes. <i>Chemistry - A European Journal</i> , 2021 , 27, 14564-14576	4.8	3
28	A Solvatochromic Fluorescent Probe Reveals Polarity Heterogeneity upon Protein Aggregation in Cells. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 25865-25871	16.4	7
27	Phosphorylation switches protein disulfide isomerase activity to maintain proteostasis and attenuate ER stress. <i>EMBO Journal</i> , 2020 , 39, e103841	13	25
26	A General Strategy to Enhance Donor-Acceptor Molecules Using Solvent-Excluding Substituents. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 4785-4792	16.4	22
25	AggFluor: Fluorogenic Toolbox Enables Direct Visualization of the Multi-Step Protein Aggregation Process in Live Cells. <i>Journal of the American Chemical Society</i> , 2020 , 142, 17515-17523	16.4	31
24	Super-Resolution Optical Lithography with DNA. <i>Nano Letters</i> , 2019 , 19, 6035-6042	11.5	6

23	Monitoring Proteome Stress in Live Cells Using HaloTag-Based Fluorogenic Sensor. <i>Methods in Molecular Biology</i> , 2019 , 1873, 171-182	1.4	2
22	A Fluorogenic AggTag Method Based on Halo- and SNAP-Tags to Simultaneously Detect Aggregation of Two Proteins in Live Cells. <i>ChemBioChem</i> , 2019 , 20, 1078-1087	3.8	24
21	A SNAP-tag fluorogenic probe mimicking the chromophore of the red fluorescent protein Kaede. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 1906-1915	3.9	12
20	Heat Shock Protein Reports on Proteome Stress. <i>Biotechnology Journal</i> , 2018 , 13,	5.6	4
19	A HaloTag-Based Multicolor Fluorogenic Sensor Visualizes and Quantifies Proteome Stress in Live Cells Using Solvatochromic and Molecular Rotor-Based Fluorophores. <i>Biochemistry</i> , 2018 , 57, 4663-4674 ^{3.2}	3.2	26
18	A Molecular Rotor-Based Halo-Tag Ligand Enables a Fluorogenic Proteome Stress Sensor to Detect Protein Misfolding in Mildly Stressed Proteome. <i>Bioconjugate Chemistry</i> , 2018 , 29, 215-224	6.3	23
17	Modulation of Fluorescent Protein Chromophores To Detect Protein Aggregation with Turn-On Fluorescence. <i>Journal of the American Chemical Society</i> , 2018 , 140, 7381-7384	16.4	78
16	The Cation-Interaction Enables a Halo-Tag Fluorogenic Probe for Fast No-Wash Live Cell Imaging and Gel-Free Protein Quantification. <i>Biochemistry</i> , 2017 , 56, 1585-1595	3.2	45
15	AgHalo: A Facile Fluorogenic Sensor to Detect Drug-Induced Proteome Stress. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 8672-8676	16.4	52
14	AgHalo: A Facile Fluorogenic Sensor to Detect Drug-Induced Proteome Stress. <i>Angewandte Chemie</i> , 2017 , 129, 8798-8802	3.6	9
13	Synthesis of Sulfotyrosine-Containing Peptides by Incorporating Fluorosulfated Tyrosine Using an Fmoc-Based Solid-Phase Strategy. <i>Angewandte Chemie</i> , 2016 , 128, 1867-1870	3.6	16
12	Synthesis of Sulfotyrosine-Containing Peptides by Incorporating Fluorosulfated Tyrosine Using an Fmoc-Based Solid-Phase Strategy. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 1835-8	16.4	33
11	Arylfluorosulfates Inactivate Intracellular Lipid Binding Protein(s) through Chemoselective SuFEx Reaction with a Binding Site Tyr Residue. <i>Journal of the American Chemical Society</i> , 2016 , 138, 7353-64	16.4	146
10	Stabilizing the CH ₂ Domain of an Antibody by Engineering in an Enhanced Aromatic Sequon. <i>ACS Chemical Biology</i> , 2016 , 11, 1852-61	4.9	29
9	Individual and collective contributions of chaperoning and degradation to protein homeostasis in E. coli. <i>Cell Reports</i> , 2015 , 11, 321-33	10.6	31
8	Fluorescence Turn-On Folding Sensor To Monitor Proteome Stress in Live Cells. <i>Journal of the American Chemical Society</i> , 2015 , 137, 11303-11	16.4	33
7	A fluorogenic aryl fluorosulfate for intraorganellar transthyretin imaging in living cells and in <i>Caenorhabditis elegans</i> . <i>Journal of the American Chemical Society</i> , 2015 , 137, 7404-14	16.4	65
6	Small molecule probes to quantify the functional fraction of a specific protein in a cell with minimal folding equilibrium shifts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 4449-54	11.5	27

5	Fluorogenic small molecules requiring reaction with a specific protein to create a fluorescent conjugate for biological imaging--what we know and what we need to learn. <i>Biopolymers</i> , 2014 , 101, 484-95	2.2	7
4	Heat-shock response transcriptional program enables high-yield and high-quality recombinant protein production in <i>Escherichia coli</i> . <i>ACS Chemical Biology</i> , 2014 , 9, 1945-9	4.9	15
3	De novo-designed enzymes as small-molecule-regulated fluorescence imaging tags and fluorescent reporters. <i>Journal of the American Chemical Society</i> , 2014 , 136, 13102-5	16.4	18
2	Stilbene vinyl sulfonamides as fluorogenic sensors of and traceless covalent kinetic stabilizers of transthyretin that prevent amyloidogenesis. <i>Journal of the American Chemical Society</i> , 2013 , 135, 17869-80	16.4	27
1	A Solvatochromic Fluorescent Probe Reveals Polarity Heterogeneity upon Protein Aggregation in Cells.. <i>Angewandte Chemie</i> ,	3.6	1