

Keitaro Umezawa

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.

22 papers	2,260 citations	16 h-index	24 g-index
24 ext. papers	2,574 ext. citations	8.2 avg, IF	4.81 L-index

#	Paper	IF	Citations
22	Neural and behavioral control in by a yellow-light-activatable caged compound. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	1
21	Spontaneously Blinking Fluorophores Based on Nucleophilic Addition/Dissociation of Intracellular Glutathione for Live-Cell Super-resolution Imaging. <i>Journal of the American Chemical Society</i> , 2020 , 142, 9625-9633	16.4	24
20	Fumarate accumulation involved in renal diabetic fibrosis in Goto-Kakizaki rats. <i>Archives of Biochemistry and Biophysics</i> , 2019 , 678, 108167	4.1	2
19	Silicon Rhodamine-Based Near-Infrared Fluorescent Probe for α -Glutamyltransferase. <i>Bioconjugate Chemistry</i> , 2018 , 29, 241-244	6.3	52
18	A Reversible Fluorescent Probe for Real-Time Live-Cell Imaging and Quantification of Endogenous Hydropolysulfides. <i>Angewandte Chemie</i> , 2018 , 130, 9490-9494	3.6	6
17	A Reversible Fluorescent Probe for Real-Time Live-Cell Imaging and Quantification of Endogenous Hydropolysulfides. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9346-9350	16.4	36
16	Development of an Activatable Fluorescent Probe for Prostate Cancer Imaging. <i>Bioconjugate Chemistry</i> , 2017 , 28, 2069-2076	6.3	19
15	Rational design of reversible fluorescent probes for live-cell imaging and quantification of fast glutathione dynamics. <i>Nature Chemistry</i> , 2017 , 9, 279-286	17.6	276
14	Fluorogenic Probes for Multicolor Imaging in Living Cells. <i>Journal of the American Chemical Society</i> , 2016 , 138, 9365-8	16.4	149
13	New trends in near-infrared fluorophores for bioimaging. <i>Analytical Sciences</i> , 2014 , 30, 327-49	1.7	140
12	Development of UV-excitabile red and near-infrared fluorescent labels and their application for simultaneous multicolor bioimaging by single-wavelength excitation. <i>Journal of Fluorescence</i> , 2013 , 23, 1007-18	2.4	7
11	Selective chemical crosslinking reveals a Cep57-Cep63-Cep152 centrosomal complex. <i>Current Biology</i> , 2013 , 23, 265-70	6.3	78
10	A near-infrared fluorophore for live-cell super-resolution microscopy of cellular proteins. <i>Nature Chemistry</i> , 2013 , 5, 132-9	17.6	607
9	A fluorescent sensor for GABA and synthetic GABA(B) receptor ligands. <i>Journal of the American Chemical Society</i> , 2012 , 134, 19026-34	16.4	81
8	A near-infrared fluorescent calcium probe: a new tool for intracellular multicolour Ca^{2+} imaging. <i>Chemical Communications</i> , 2011 , 47, 10407-9	5.8	76
7	Visualizing biochemical activities in living cells through chemistry. <i>Chimia</i> , 2011 , 65, 868-71	1.3	13
6	Bright, color-tunable fluorescent dyes in the Vis/NIR region: establishment of new "tailor-made" multicolor fluorophores based on borondipyrromethene. <i>Chemistry - A European Journal</i> , 2009 , 15, 1096-1106	4.8	215

5	A novel luciferin-based bright chemiluminescent probe for the detection of reactive oxygen species. <i>Chemical Communications</i> , 2009 , 3047-9	5.8	48
4	Cell-based in vivo dual imaging probes using genetically expressed tags and chemical contrast agents. <i>Chemical Communications</i> , 2009 , 4040-2	5.8	2
3	Bright, color-tunable fluorescent dyes in the visible-near-infrared region. <i>Journal of the American Chemical Society</i> , 2008 , 130, 1550-1	16.4	349
2	Water-soluble NIR fluorescent probes based on squaraine and their application for protein labeling. <i>Analytical Sciences</i> , 2008 , 24, 213-7	1.7	61
1	A Squaraine-based Near-infrared Dye with Bright Fluorescence and Solvatochromic Property. <i>Chemistry Letters</i> , 2007 , 36, 1424-1425	1.7	18