Young Tae Chang

List of Publications by Year
in descending order

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388	22,964	9264 74	12272 133
papers	citations	h-index	g-index

417	417	417	26523
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Intracellular Glutathione Detection Using MnO₂-Nanosheet-Modified Upconversion Nanoparticles. Journal of the American Chemical Society, 2011, 133, 20168-20171.	13.7	845
2	RNA buffers the phase separation behavior of prion-like RNA binding proteins. Science, 2018, 360, 918-921.	12.6	837
3	Discerning the Chemistry in Individual Organelles with Smallâ€Molecule Fluorescent Probes. Angewandte Chemie - International Edition, 2016, 55, 13658-13699.	13.8	634
4	Combinatorial Strategies in Fluorescent Probe Development. Chemical Reviews, 2012, 112, 4391-4420.	47.7	591
5	RNA-Induced Conformational Switching and Clustering of G3BP Drive Stress Granule Assembly by Condensation. Cell, 2020, 181, 346-361.e17.	28.9	557
6	Development of Targetable Two-Photon Fluorescent Probes to Image Hypochlorous Acid in Mitochondria and Lysosome in Live Cell and Inflamed Mouse Model. Journal of the American Chemical Society, 2015, 137, 5930-5938.	13.7	472
7	Surface-enhanced Raman scattering in cancer detection and imaging. Trends in Biotechnology, 2013, 31, 249-257.	9.3	410
8	Selective Visualization of the Endogenous Peroxynitrite in an Inflamed Mouse Model by a Mitochondria-Targetable Two-Photon Ratiometric Fluorescent Probe. Journal of the American Chemical Society, 2017, 139, 285-292.	13.7	407
9	Modulation of CD1d-restricted NKT cell responses by using N-acyl variants of Â-galactosylceramides. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3383-3388.	7.1	308
10	Mitochondria are physiologically maintained at close to 50 Â°C. PLoS Biology, 2018, 16, e2003992.	5.6	295
11	Chemical Geneticsâ€. Chemical Reviews, 2006, 106, 2476-2530.	47.7	293
12	Nuclear Envelope Budding Enables Large Ribonucleoprotein Particle Export during Synaptic Wnt Signaling. Cell, 2012, 149, 832-846.	28.9	292
13	Expulsion of small molecules in vesicles shed by cancer cells: association with gene expression and chemosensitivity profiles. Cancer Research, 2003, 63, 4331-7.	0.9	288
14	Partitioning of cancer therapeutics in nuclear condensates. Science, 2020, 368, 1386-1392.	12.6	281
15	Synthesis and application of functionally diverse 2,6,9-trisubstituted purine libraries as CDK inhibitors. Chemistry and Biology, 1999, 6, 361-375.	6.0	250
16	Ultrasensitive Nearâ€Infrared Raman Reporters for SERSâ€Based Inâ€…Vivo Cancer Detection. Angewandte Chemie - International Edition, 2011, 50, 6089-6092.	13.8	250
17	Piezoelectric Nanoparticle-Assisted Wireless Neuronal Stimulation. ACS Nano, 2015, 9, 7678-7689.	14.6	236
18	High-Efficiency in Vitro and in Vivo Detection of Zn²⁺ by Dye-Assembled Upconversion Nanoparticles. Journal of the American Chemical Society, 2015, 137, 2336-2342.	13.7	233

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19	A mitochondria-targeted ratiometric fluorescent probe to monitor endogenously generated sulfur dioxide derivatives in living cells. Biomaterials, 2015, 56, 1-9.	11.4	228
20	Multiplex targeted in vivo cancer detection using sensitive near-infrared SERS nanotags. Nano Today, 2012, 7, 85-93.	11.9	227
21	Intracellular targets of cyclin-dependent kinase inhibitors: identification by affinity chromatography using immobilised inhibitors. Chemistry and Biology, 2000, 7, 411-422.	6.0	219
22	Combinatorial Rosamine Library and Application to in Vivo Glutathione Probe. Journal of the American Chemical Society, 2007, 129, 4510-4511.	13.7	216
23	Myoseverin, a microtubule-binding molecule with novel cellular effects. Nature Biotechnology, 2000, 18, 304-308.	17.5	212
24	Synthesis of a BODIPY Library and Its Application to the Development of Live Cell Glucagon Imaging Probe. Journal of the American Chemical Society, 2009, 131, 10077-10082.	13.7	206
25	Gold and Hairpin DNA Functionalization of Upconversion Nanocrystals for Imaging and In Vivo Drug Delivery. Advanced Materials, 2017, 29, 1700244.	21.0	186
26	RNA-Selective, Live Cell Imaging Probes for Studying Nuclear Structure and Function. Chemistry and Biology, 2006, 13, 615-623.	6.0	185
27	Anti-HIV activity of olive leaf extract (OLE) and modulation of host cell gene expression by HIV-1 infection and OLE treatment. Biochemical and Biophysical Research Communications, 2003, 307, 1029-1037.	2.1	184
28	Realâ€Time Inâ€…Vivo Hepatotoxicity Monitoring through Chromophoreâ€Conjugated Photonâ€Upconverting Nanoprobes. Angewandte Chemie - International Edition, 2017, 56, 4165-4169.	13.8	178
29	Motion-induced change in emission (MICE) for developing fluorescent probes. Chemical Society Reviews, 2017, 46, 4833-4844.	38.1	172
30	Development of photostable near-infrared cyanine dyes. Chemical Communications, 2010, 46, 7406.	4.1	169
31	The role of â€œdisaggregationâ€•in optical probe development. Chemical Society Reviews, 2014, 43, 2402.	38.1	164
32	Chemical Fluorescent Probe for Detection of Aî² Oligomers. Journal of the American Chemical Society, 2015, 137, 13503-13509.	13.7	163
33	Kinetics and Cellular Site of Glycolipid Loading Control the Outcome of Natural Killer T Cell Activation. Immunity, 2009, 30, 888-898.	14.3	159
34	Mitochondria-targeted fluorescent thermometer monitors intracellular temperature gradient. Chemical Communications, 2015, 51, 8044-8047.	4.1	159
35	Actively Targeted In Vivo Multiplex Detection of Intrinsic Cancer Biomarkers Using Biocompatible SERS Nanotags. Scientific Reports, 2014, 4, 4075.	3.3	159
36	A High-Throughput Screen for Compounds That Inhibit Aggregation of the Alzheimerâ€™s Peptide. ACS Chemical Biology, 2006, 1, 461-469.	3.4	158

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37	A Multisiteâ€Binding Switchable Fluorescent Probe for Monitoring Mitochondrial ATP Level Fluctuation in Live Cells. Angewandte Chemie - International Edition, 2016, 55, 1773-1776.	13.8	158
38	A Molecular Fluorescent Probe for Targeted Visualization of Temperature at the Endoplasmic Reticulum. Scientific Reports, 2014, 4, 6701.	3.3	153
39	Combinatorial Approach to Organelle-Targeted Fluorescent Library Based on the Styryl Scaffold. Journal of the American Chemical Society, 2003, 125, 1130-1131.	13.7	152
40	Facilitated Forward Chemical Genetics Using a Tagged Triazine Library and Zebrafish Embryo Screening. Journal of the American Chemical Society, 2003, 125, 11804-11805.	13.7	138
41	High content live cell imaging for the discovery of new antimalarial marine natural products. BMC Infectious Diseases, 2012, 12, 1.	2.9	137
42	Combinatorial Synthesis of Benzimidazolium Dyes and Its Diversity Directed Application toward GTP-Selective Fluorescent Chemosensors. Journal of the American Chemical Society, 2006, 128, 10380-10381.	13.7	136
43	Small molecule microarrays: recent advances and applications. Current Opinion in Chemical Biology, 2005, 9, 4-13.	6.1	133
44	Solid-Phase Synthesis of Styryl Dyes and their Application as Amyloid Sensors. Angewandte Chemie - International Edition, 2004, 43, 6331-6335.	13.8	131
45	Discovery of heparin chemosensors through diversity oriented fluorescence library approach. Chemical Communications, 2008, , 1173-1175.	4.1	126
46	A Novel Microtubule Destabilizing Entity from Orthogonal Synthesis of Triazine Library and Zebrafish Embryo Screening. Journal of the American Chemical Society, 2002, 124, 11608-11609.	13.7	124
47	Discovery of small-molecule HIV-1 fusion and integrase inhibitors oleuropein and hydroxytyrosol: Part I. Integrase inhibition. Biochemical and Biophysical Research Communications, 2007, 354, 872-878.	2.1	123
48	A General Descriptor Î”E Enables the Quantitative Development of Luminescent Materials Based on Photoinduced Electron Transfer. Journal of the American Chemical Society, 2020, 142, 6777-6785.	13.7	115
49	Diversity Oriented Fluorescence Library Approach (DOFLA) for Live Cell Imaging Probe Development. Accounts of Chemical Research, 2014, 47, 1277-1286.	15.6	113
50	Multiplex cancer cell detection by SERS nanotags with cyanine and triphenylmethine Raman reporters. Chemical Communications, 2011, 47, 3514.	4.1	112
51	Structural and Functional Modeling of Human Lysozyme Reveals a Unique Nonapeptide, HL9, with Anti-HIV Activityâ€. Biochemistry, 2005, 44, 4648-4655.	2.5	109
52	Development of biocompatible SERS nanotag with increased stability by chemisorption of reporter molecule for in vivo cancer detection. Biosensors and Bioelectronics, 2010, 26, 398-403.	10.1	107
53	MegaStokes BODIPY-triazoles as environmentally sensitive turn-on fluorescent dyes. Chemical Science, 2013, 4, 2168.	7.4	107
54	A Diradical Approach towards BODIPYâ€Based Dyes with Intense Nearâ€Infrared Absorption around Î»=1100â€…nm. Angewandte Chemie - International Edition, 2016, 55, 2815-2819.	13.8	100

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55	Colorimetric Identification of Carbohydrates by a pH Indicator/pH Change Inducer Ensemble. Angewandte Chemie - International Edition, 2006, 45, 6485-6487.	13.8	98
56	Synthesis and biological evaluation of novel 1,3,5-triazine derivatives as antimicrobial agents. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 1308-1311.	2.2	96
57	Diversity-driven chemical probe development for biomolecules: beyond hypothesis-driven approach. Chemical Society Reviews, 2011, 40, 3613.	38.1	94
58	A two-photon fluorescent probe for ratiometric imaging of endogenous hypochlorous acid in live cells and tissues. Chemical Communications, 2017, 53, 10800-10803.	4.1	93
59	Development of background-free tame fluorescent probes for intracellular live cell imaging. Nature Communications, 2016, 7, 11964.	12.8	92
60	An Artificial Tongue Fluorescent Sensor Array for Identification and Quantitation of Various Heavy Metal Ions. Analytical Chemistry, 2014, 86, 8763-8769.	6.5	91
61	Live cells imaging using a turn-on FRET-based BODIPY probe for biothiols. Biomaterials, 2014, 35, 6078-6085.	11.4	91
62	A Single Subset of Dendritic Cells Controls the Cytokine Bias of Natural Killer T Cell Responses to Diverse Glycolipid Antigens. Immunity, 2014, 40, 105-116.	14.3	90
63	Synthesis of a new fluorescent small molecule probe and its use for in vivo lipid imaging. Chemical Communications, 2011, 47, 7500.	4.1	88
64	Sensitive multiplex detection of serological liver cancer biomarkers using SERSâ€active photonic crystal fiber probe. Journal of Biophotonics, 2014, 7, 956-965.	2.3	86
65	Detection of Pathogenic Biofilms with Bacterial Amyloid Targeting Fluorescent Probe, CDy11. Journal of the American Chemical Society, 2016, 138, 402-407.	13.7	82
66	A Unique Small Molecule Inhibitor of Enolase Clarifies Its Role in Fundamental Biological Processes. ACS Chemical Biology, 2013, 8, 1271-1282.	3.4	81
67	CRISPR-engineered human brown-like adipocytes prevent diet-induced obesity and ameliorate metabolic syndrome in mice. Science Translational Medicine, 2020, 12, .	12.4	80
68	Molecular Mechanism of Viscosity Sensitivity in BODIPY Rotors and Application to Motion-Based Fluorescent Sensors. ACS Sensors, 2020, 5, 731-739.	7.8	80
69	Discovery of Estrogen Sulfotransferase Inhibitors from a Purine Library Screen. Journal of Medicinal Chemistry, 2001, 44, 2683-2686.	6.4	79
70	Identification of an <scp>ABCB1</scp> (Pâ€glycoprotein)â€positive carfilzomibâ€resistant myeloma subpopulation by the pluripotent stem cell fluorescent dye <scp>CDy1</scp>. American Journal of Hematology, 2013, 88, 265-272.	4.1	79
71	Development of a Highly Selective, Sensitive, and Fast Response Upconversion Luminescent Platform for Hydrogen Sulfide Detection. Advanced Functional Materials, 2016, 26, 191-199.	14.9	79
72	A Photoexcitationâ€Induced Twisted Intramolecular Charge Shuttle. Angewandte Chemie - International Edition, 2019, 58, 7073-7077.	13.8	79

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73	Styrylâ€Based Compounds as Potential in vivo Imaging Agents for Î²â€Amyloid Plaques. ChemBioChem, 2007, 8, 1679-1687.	2.6	78
74	Diversity-oriented fluorescence library approach for the discovery of sensors and probes. Molecular BioSystems, 2009, 5, 411.	2.9	77
75	Discovery of a green DNAprobe for live-cell imaging. Chemical Communications, 2010, 46, 436-438.	4.1	77
76	Optical visualisation of thermogenesis in stimulated single-cell brown adipocytes. Scientific Reports, 2017, 7, 1383.	3.3	77
77	Tools for target identification and validation. Current Opinion in Chemical Biology, 2004, 8, 371-377.	6.1	76
78	Recapture of GFP Chromophore Fluorescence in a Protein Host. ACS Combinatorial Science, 2011, 13, 214-217.	3.8	76
79	Boronic Acid: A Bio-Inspired Strategy To Increase the Sensitivity and Selectivity of Fluorescent NADH Probe. Journal of the American Chemical Society, 2016, 138, 10394-10397.	13.7	74
80	Development of a Universal Fluorescent Probe for Gramâ€Positive Bacteria. Angewandte Chemie - International Edition, 2019, 58, 8426-8431.	13.8	74
81	NeuO: a Fluorescent Chemical Probe for Live Neuron Labeling. Angewandte Chemie - International Edition, 2015, 54, 2442-2446.	13.8	73
82	Inhibition and Reversal of Myogenic Differentiation by Purine-Based Microtubule Assembly Inhibitors. Chemistry and Biology, 2002, 9, 475-483.	6.0	72
83	A Fluorescent Rosamine Compound Selectively Stains Pluripotent Stem Cells. Angewandte Chemie - International Edition, 2010, 49, 7497-7500.	13.8	72
84	Silica Nanoparticle-Enhanced Fluorescent Sensor Array for Heavy Metal Ions Detection in Colloid Solution. Analytical Chemistry, 2018, 90, 1628-1634.	6.5	72
85	Forward chemical genetic approach identifies new role for GAPDH in insulin signaling. Nature Chemical Biology, 2007, 3, 55-59.	8.0	71
86	A novel zebrafish human tumor xenograft model validated for anti-cancer drug screening. Molecular BioSystems, 2012, 8, 1930.	2.9	71
87	Neural stem cell specific fluorescent chemical probe binding to FABP7. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10214-10217.	7.1	70
88	The Synthesis and Biological Characterization of a Ceramide Library. Journal of the American Chemical Society, 2002, 124, 1856-1857.	13.7	69
89	Investigations of the Molecular Mechanism of Metal-Induced AÎ² (1â^'40) Amyloidogenesis. Biochemistry, 2007, 46, 13523-13532.	2.5	69
90	Fluorescent Dye Cocktail for Multiplex Drug-Site Mapping on Human Serum Albumin. ACS Combinatorial Science, 2013, 15, 452-457.	3.8	69

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91	Gold Nanoshell-Mediated Remote Myotube Activation. ACS Nano, 2017, 11, 2494-2508.	14.6	69
92	Purine-Based Inhibitors of Inositol-1,4,5-trisphosphate-3-kinase. ChemBioChem, 2002, 3, 897-901.	2.6	68
93	Microarrays of Tagged Combinatorial Triazine Libraries in the Discovery of Small-Molecule Ligands of Human IgG. ACS Combinatorial Science, 2004, 6, 862-868.	3.3	67
94	Bioactive small molecules reveal antagonism between the integrated stress response and sterol-regulated gene expression. Cell Metabolism, 2005, 2, 361-371.	16.2	66
95	High-Performance Graphene-Titania Platform for Detection of Phosphopeptides in Cancer Cells. Analytical Chemistry, 2012, 84, 6693-6700.	6.5	66
96	Identification of a Novel Protein Regulating Microtubule Stability through a Chemical Approach. Chemistry and Biology, 2004, 11, 135-146.	6.0	65
97	Discovery of small-molecule HIV-1 fusion and integrase inhibitors oleuropein and hydroxytyrosol: Part II. Integrase inhibition. Biochemical and Biophysical Research Communications, 2007, 354, 879-884.	2.1	65
98	Novel use of fluorescent glucose analogues to identify a new class of triazine-based insulin mimetics possessing useful secondary effects. Molecular BioSystems, 2011, 7, 346-358.	2.9	65
99	Discovery of Carbohydrate Sulfotransferase Inhibitors from a Kinase-Directed Library. Angewandte Chemie - International Edition, 2000, 39, 1303-1306.	13.8	64
100	Development of novel cell-permeable DNA sensitive dyes using combinatorial synthesis and cell-based screeningElectronic supplementary information (ESI) available: experimental section. See http://www.rsc.org/suppdata/cc/b3/b303960a/. Chemical Communications, 2003, , 1852.	4.1	63
101	A cyclin-dependent kinase inhibitor inducing cancer cell differentiation: Biochemical identification using Xenopus egg extracts. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 4797-4802.	7.1	62
102	Dissection of Melanogenesis with Small Molecules Identifies Prohibitin as a Regulator. Chemistry and Biology, 2005, 12, 477-484.	6.0	62
103	Combinatorial Dapoxyl Dye Library and its Application to Site Selective Probe for Human Serum Albumin. ACS Combinatorial Science, 2007, 9, 1079-1083.	3.3	62
104	Synthesis and anticancer activity studies of cyclopamine derivatives. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 1359-1363.	2.2	62
105	A Single-Cell Analysis of Myogenic Dedifferentiation Induced by Small Molecules. Chemistry and Biology, 2005, 12, 1117-1126.	6.0	60
106	A Simple BODIPY-Based Viscosity Probe for Imaging of Cellular Viscosity in Live Cells. Sensors, 2016, 16, 1397.	3.8	60
107	A thermoresponsive nanocarrier for mitochondria-targeted drug delivery. Chemical Communications, 2019, 55, 4051-4054.	4.1	60
108	Control of Muscle Differentiation by a Mitochondria-Targeted Fluorophore. Journal of the American Chemical Society, 2010, 132, 576-579.	13.7	59

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109	Bodipy-diacrylate imaging probes for targeted proteins inside live cells. Chemical Communications, 2011, 47, 4508.	4.1	57
110	Visual Artificial Tongue for Quantitative Metal-Cation Analysis by an Off-the-Shelf Dye Array. Chemistry - A European Journal, 2006, 12, 5691-5696.	3.3	56
111	Solid-phase synthesis of BODIPY dyes and development of an immunoglobulin fluorescent sensor. Chemical Communications, 2011, 47, 8424.	4.1	56
112	Development of a fluorescent chalcone library and its application in the discovery of a mouse embryonic stem cell probe. Chemical Communications, 2012, 48, 6681.	4.1	56
113	Imaging inflammation using an activated macrophage probe with Slc18b1 as the activation-selective gating target. Nature Communications, 2019, 10, 1111.	12.8	56
114	Fluorescent probe strategy for live cell distinction. Chemical Society Reviews, 2022, 51, 1573-1591.	38.1	56
115	Selective Human Serum Albumin Sensor from the Screening of a Fluorescent Rosamine Library. ACS Combinatorial Science, 2008, 10, 376-380.	3.3	55
116	A Chemical Screen Identifies Novel Compounds That Overcome Glial-Mediated Inhibition of Neuronal Regeneration. Journal of Neuroscience, 2010, 30, 4693-4706.	3.6	55
117	Accelerating fluorescent sensor discovery: unbiased screening of a diversity-oriented BODIPY library. Chemical Communications, 2011, 47, 2339-2341.	4.1	55
118	mesoâ€Ester and Carboxylic Acid Substituted BODIPYs with Farâ€Red and Nearâ€Infrared Emission for Bioimaging Applications. Chemistry - A European Journal, 2014, 20, 2301-2310.	3.3	55
119	Advances in the design of cell-permeable fluorescent probes for applications in live cell imaging. Chemical Communications, 2018, 54, 13641-13653.	4.1	55
120	Novel Orthogonal Strategy toward Solid-Phase Synthesis of 1,3,5-Substituted Triazines. Organic Letters, 2003, 5, 117-120.	4.6	54
121	In Situ Investigation of Mammalian Inorganic Polyphosphate Localization Using Novel Selective Fluorescent Probes JC-D7 and JC-D8. ACS Chemical Biology, 2014, 9, 2101-2110.	3.4	54
122	Wahrnehmung der chemischen Prozesse in einzelnen Organellen mit niedermolekularen Fluoreszenzsonden. Angewandte Chemie, 2016, 128, 13858-13902.	2.0	53
123	Phytic Acid Synthesis and Vacuolar Accumulation in Suspension-Cultured Cells of Catharanthus roseus Induced by High Concentration of Inorganic Phosphate and Cations. Plant Physiology, 2005, 138, 1607-1614.	4.8	51
124	Small-Molecule Fluorophores To Detect Cell-State Switching in the Context of High-Throughput Screening. Journal of the American Chemical Society, 2008, 130, 4208-4209.	13.7	51
125	Identification of disulfide cross-linked tau dimer responsible for tau propagation. Scientific Reports, 2015, 5, 15231.	3.3	51
126	The development of a highly photostable and chemically stable zwitterionic near-infrared dye for imaging applications. Chemical Communications, 2015, 51, 3989-3992.	4.1	51

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127	Glucagon-Secreting Alpha Cell Selective Two-Photon Fluorescent Probe TP-Î±: For Live Pancreatic Islet Imaging. Journal of the American Chemical Society, 2015, 137, 5355-5362.	13.7	51
128	Naphthalene-fused BODIPY near-infrared dye as a stable contrast agent for in vivo photoacoustic imaging. Chemical Communications, 2016, 52, 11504-11507.	4.1	51
129	Diversity-oriented fluorescence library approaches for probe discovery and development. Current Opinion in Chemical Biology, 2010, 14, 383-389.	6.1	50
130	A ratiometric fluorescent dye for the detection of glutathione in live cells and liver cancer tissue. Chemical Communications, 2013, 49, 7207.	4.1	50
131	Mechanistic elements and critical factors of cellular reprogramming revealed by stepwise global gene expression analyses. Stem Cell Research, 2014, 12, 730-741.	0.7	50
132	Microwave Enhanced Knoevenagel Condensation of Ethyl Cyanoacetate with Aldehydes. Synthetic Communications, 1997, 27, 533-541.	2.1	49
133	Identification of Compounds that Bind Mitochondrial F1F0 ATPase by Screening a Triazine Library for Correction of Albinism. Chemistry and Biology, 2004, 11, 1251-1259.	6.0	49
134	Embryonic and induced pluripotent stem cell staining and sorting with the live-cell fluorescence imaging probe CDy1. Nature Protocols, 2011, 6, 1044-1052.	12.0	49
135	Identification of the F1F0 mitochondrial ATPase as a target for modulating skin pigmentation by screening a tagged triazine library in zebrafish. Molecular BioSystems, 2005, 1, 85.	2.9	47
136	RNAi Reveals Phase-Specific Global Regulators of Human Somatic Cell Reprogramming. Cell Reports, 2016, 15, 2597-2607.	6.4	47
137	The Binding of Fluorophores to Proteins Depends on the Cellular Environment. Angewandte Chemie - International Edition, 2011, 50, 2761-2763.	13.8	46
138	Dark to light! A new strategy for large Stokes shift dyes: coupling of a dark donor with tunable high quantum yield acceptors. Chemical Science, 2014, 5, 4812-4818.	7.4	46
139	Comparative Mechanistic and Substrate Specificity Study of Inositol Polyphosphate 5-Phosphatase Schizosaccharomyces pombe Synaptojanin and SHIP2. Journal of Biological Chemistry, 2004, 279, 44987-44995.	3.4	45
140	Imaging histamine in live basophils and macrophages with a fluorescent mesoionic acid fluoride. Chemical Communications, 2012, 48, 7401.	4.1	45
141	Establishment of a robust dengue virus NS3â€“NS5 binding assay for identification of proteinâ€“protein interaction inhibitors. Antiviral Research, 2012, 96, 305-314.	4.1	45
142	Fluorescent transmembrane anion transporters: shedding light on anionophoric activity in cells. Chemical Science, 2016, 7, 5069-5077.	7.4	44
143	Direct organelle thermometry with fluorescence lifetime imaging microscopy in single myotubes. Chemical Communications, 2016, 52, 4458-4461.	4.1	44
144	Discovery of amyloidâ€beta aggregation inhibitors using an engineered assay for intracellular protein folding and solubility. Protein Science, 2009, 18, 277-286.	7.6	43

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145	Make Caffeine Visible: a Fluorescent Caffeine â€œTraffic Lightâ€•Detector. Scientific Reports, 2013, 3, 2255.	3.3	43
146	Development of a fluorescent sensor for illicit date rape drug GHB. Chemical Communications, 2014, 50, 2904.	4.1	43
147	Development of a BODIPY-based fluorescent probe for imaging pathological tau aggregates in live cells. Chemical Communications, 2017, 53, 1607-1610.	4.1	43
148	Fluorescent squaramides as anion receptors and transmembrane anion transporters. Chemical Communications, 2018, 54, 1363-1366.	4.1	43
149	Synthesis and Biological Evaluation of Myoseverin Derivatives:â€‰ Microtubule Assembly Inhibitors. Journal of Medicinal Chemistry, 2001, 44, 4497-4500.	6.4	42
150	Isozyme-Specific Fluorescent Inhibitor of Glutathione S-Transferase Omega 1. ACS Chemical Biology, 2010, 5, 449-453.	3.4	42
151	Synthesis and characterization of a cell-permeable near-infrared fluorescent deoxyglucose analogue for cancer cell imaging. Organic and Biomolecular Chemistry, 2011, 9, 4760.	2.8	42
152	A Chemical Probe that Labels Human Pluripotent Stem Cells. Cell Reports, 2014, 6, 1165-1174.	6.4	42
153	A protocol for preparing, characterizing and using three RNA-specific, live cell imaging probes: E36, E144 and F22. Nature Protocols, 2006, 1, 2922-2932.	12.0	41
154	Discovery of a Structural-Element Specific G-Quadruplex â€œLight-Upâ€•Probe. Scientific Reports, 2014, 4, 3776.	3.3	41
155	Identification of a New Class of Prostaglandin Transporter Inhibitors and Characterization of Their Biological Effects on Prostaglandin E₂ Transport. Journal of Pharmacology and Experimental Therapeutics, 2006, 316, 1346-1350.	2.5	40
156	Microwave Enhanced Knoevenagel Condensation of Malonic Acid on Basic Alumina. Synthetic Communications, 1997, 27, 4091-4100.	2.1	39
157	A Multisiteâ€Binding Switchable Fluorescent Probe for Monitoring Mitochondrial ATP Level Fluctuation in Live Cells. Angewandte Chemie, 2016, 128, 1805-1808.	2.0	38
158	Identification of Tumor Initiating Cells with a Smallâ€Molecule Fluorescent Probe by Using Vimentin as a Biomarker. Angewandte Chemie - International Edition, 2018, 57, 2851-2854.	13.8	38
159	Solid phase combinatorial synthesis of a xanthone library using click chemistry and its application to an embryonic stem cell probe. Chemical Communications, 2011, 47, 7488.	4.1	37
160	Diversity-oriented optical imaging probe development. Current Opinion in Chemical Biology, 2011, 15, 760-767.	6.1	37
161	Synthesis of a Novel BODIPY Library and Its Application in the Discovery of a Fructose Sensor. ACS Combinatorial Science, 2012, 14, 81-84.	3.8	37
162	Axon-First Neuritogenesis on Vertical Nanowires. Nano Letters, 2016, 16, 675-680.	9.1	37

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163	Diversification of reprogramming trajectories revealed by parallel single-cell transcriptome and chromatin accessibility sequencing. Science Advances, 2020, 6, .	10.3	37
164	Functional Profiling, Identification, and Inhibition of Plasmepsins in Intraerythrocytic Malaria Parasites. Angewandte Chemie - International Edition, 2009, 48, 8293-8297.	13.8	36
165	Fluorescence Response Profiling for Small Molecule Sensors Utilizing the Green Fluorescent Protein Chromophore and Its Derivatives. ACS Combinatorial Science, 2011, 13, 32-38.	3.8	36
166	Visualization and Isolation of Langerhans Islets by a Fluorescent Probe PiY. Angewandte Chemie - International Edition, 2013, 52, 8557-8560.	13.8	36
167	Rapid kinetic measurements of 45Ca2+ mobilization reveal that Ins(2,4,5)P3 is a partial agonist at hepatic InsP3 receptors. Biochemical Journal, 1997, 321, 573-576.	3.7	35
168	Palladium-catalyzed cross-coupling reaction of resin-bound chlorotriazines. Tetrahedron Letters, 2003, 44, 6141-6144.	1.4	35
169	Nitrophenol Resins for Facile Amide and Sulfonamide Library Synthesis. ACS Combinatorial Science, 2003, 5, 330-335.	3.3	35
170	Synthesis and evaluation of stilbene derivatives as a potential imaging agent of amyloid plaques. Bioorganic and Medicinal Chemistry, 2010, 18, 7724-7730.	3.0	35
171	A macrophage uptaking near-infrared chemical probe CDnir7 for in vivo imaging of inflammation. Chemical Communications, 2014, 50, 6589.	4.1	35
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