Itaru Hamachi

List of Publications by Year
in descending order

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		12330	19749
275	16,625	69	117
papers	citations	h-index	g-index

295	295	295	13665
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent progress of subcellular-compartment-focused chemical proteomics. , 2022, , 217-247.		1
2	Coordination chemogenetics for activation of GPCR-type glutamate receptors in brain tissue. Nature Communications, 2022, 13, .	12.8	7
3	Chemical biology tools for imaging-based analysis of organelle membranes and lipids. Current Opinion in Chemical Biology, 2022, 70, 102182.	6.1	3
4	Site-specific covalent labeling of His-tag fused proteins with N-acyl-N-alkyl sulfonamide reagent. Bioorganic and Medicinal Chemistry, 2021, 30, 115947.	3.0	12
5	Recent applications of N-acyl imidazole chemistry in chemical biology. Bioscience, Biotechnology and Biochemistry, 2021, 85, 53-60.	1.3	13
6	Ligand-directed two-step labeling to quantify neuronal glutamate receptor trafficking. Nature Communications, 2021, 12, 831.	12.8	24
7	Enhanced Suppression of a Proteinâ€“Protein Interaction in Cells Using Small-Molecule Covalent Inhibitors Based on an N-Acyl-N-alkyl Sulfonamide Warhead. Journal of the American Chemical Society, 2021, 143, 4766-4774.	13.7	37
8	Organelleâ€Selective Labeling of Cholineâ€Containing Phospholipids (CPLs) and Realâ€Time Imaging in Living Cells. Current Protocols, 2021, 1, e105.	2.9	4
9	Microscopic Imaging Techniques for Molecular Assemblies: Electron, Atomic Force, and Confocal Microscopies. Chemical Reviews, 2021, 121, 14281-14347.	47.7	34
10	Phototriggered Spatially Controlled Out-of-Equilibrium Patterns of Peptide Nanofibers in a Self-Sorting Double Network Hydrogel. Journal of the American Chemical Society, 2021, 143, 19532-19541.	13.7	26
11	Orthogonal Activation of Metabotropic Glutamate Receptor Using Coordination Chemogenetics. Frontiers in Chemistry, 2021, 9, 825669.	3.6	2
12	Extracellular ATP Limits Homeostatic T Cell Migration Within Lymph Nodes. Frontiers in Immunology, 2021, 12, 786595.	4.8	8
13	Development of a Cell-Based Ligand-Screening System for Identifying Hsp90 Inhibitors. Biochemistry, 2020, 59, 179-182.	2.5	16
14	Development of a Photoactivatable Proximity Labeling Method for the Identification of Nuclear Proteins. Chemistry Letters, 2020, 49, 145-148.	1.3	34
15	Force generation by a propagating wave of supramolecular nanofibers. Nature Communications, 2020, 11, 3541.	12.8	24
16	Chemical Tools for Endogenous Protein Labeling and Profiling. Cell Chemical Biology, 2020, 27, 970-985.	5.2	65
17	Protein-responsive protein release of supramolecular/polymer hydrogel composite integrating enzyme activation systems. Nature Communications, 2020, 11, 3859.	12.8	47
18	Control of seed formation allows two distinct self-sorting patterns of supramolecular nanofibers. Nature Communications, 2020, 11, 4100.	12.8	31

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19	Organelle membrane-specific chemical labeling and dynamic imaging in living cells. Nature Chemical Biology, 2020, 16, 1361-1367.	8.0	59
20	Activity-Based Sensing with a Metal-Directed Acyl Imidazole Strategy Reveals Cell Type-Dependent Pools of Labile Brain Copper. Journal of the American Chemical Society, 2020, 142, 14993-15003.	13.7	44
21	Imaging and Profiling of Proteins under Oxidative Conditions in Cells and Tissues by Hydrogen-Peroxide-Responsive Labeling. Journal of the American Chemical Society, 2020, 142, 15711-15721.	13.7	30
22	Fluorescence imaging of drug target proteins using chemical probes. Journal of Pharmaceutical Analysis, 2020, 10, 426-433.	5.3	26
23	Fluorescence Differentiation of ATP-Related Multiple Enzymatic Activities in Synovial Fluid as a Marker of Calcium Pyrophosphate Deposition Disease Using Kyoto Green. Molecules, 2020, 25, 1116.	3.8	2
24	Masking Phosphate with Rare-Earth Elements Enables Selective Detection of Arsenate by Dipycolylamine-ZnII Chemosensor. Scientific Reports, 2020, 10, 2656.	3.3	7
25	The Power of Confocal Laser Scanning Microscopy in Supramolecular Chemistry: In situ Realâ€time Imaging of Stimuliâ€Responsive Multicomponent Supramolecular Hydrogels. ChemistryOpen, 2020, 9, 67-79.	1.9	39
26	Screening of protein-ligand interactions under crude conditions by native mass spectrometry. Analytical and Bioanalytical Chemistry, 2020, 412, 4037-4043.	3.7	10
27	In Situ Real-time Confocal Imaging of a Self-assembling Peptide-grafted Polymer Showing pH-responsive Hydrogelation. Chemistry Letters, 2020, 49, 1319-1323.	1.3	12
28	Construction of a Fluorescent Screening System of Allosteric Modulators for the GABA_A Receptor Using a Turn-On Probe. ACS Central Science, 2019, 5, 1541-1553.	11.3	21
29	pH Nanosensor Using Electronic Spins in Diamond. ACS Nano, 2019, 13, 11726-11732.	14.6	68
30	Development of a Nitric Oxide-Responsive Labeling Reagent for Proteome Analysis of Live Cells. ACS Chemical Biology, 2019, 14, 397-404.	3.4	9
31	Ligand-Directed N-Sulfonyl Pyridone Chemistry for Selective Native Protein Labeling and Imaging in Live Cell. Methods in Molecular Biology, 2019, 2008, 203-224.	0.9	1
32	Optimized Reaction Pair of the CysHis Tag and Ni(II)-NTA Probe for Highly Selective Chemical Labeling of Membrane Proteins. Bulletin of the Chemical Society of Japan, 2019, 92, 995-1000.	3.2	7
33	Post-assembly Fabrication of a Functional Multicomponent Supramolecular Hydrogel Based on a Self-Sorting Double Network. Journal of the American Chemical Society, 2019, 141, 4997-5004.	13.7	51
34	Construction of ligand assay systems by protein-based semisynthetic biosensors. Current Opinion in Chemical Biology, 2019, 50, 10-18.	6.1	7
35	On-cell coordination chemistry: Chemogenetic activation of membrane-bound glutamate receptors in living cells. Methods in Enzymology, 2019, 622, 411-430.	1.0	5
36	Electron Microscopic Detection of Single Membrane Proteins by a Specific Chemical Labeling. IScience, 2019, 22, 256-268.	4.1	9

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37	Chemical proteomics for subcellular proteome analysis. Current Opinion in Chemical Biology, 2019, 48, 1-7.	6.1	32
38	Chemistry for Covalent Modification of Endogenous/Native Proteins: From Test Tubes to Complex Biological Systems. Journal of the American Chemical Society, 2019, 141, 2782-2799.	13.7	222
39	Selective and reversible modification of kinase cysteines with chlorofluoroacetamides. Nature Chemical Biology, 2019, 15, 250-258.	8.0	90
40	Recent Progress in Chemical Modification of Proteins. Analytical Sciences, 2019, 35, 5-27.	1.6	74
41	Graftable SCoMPIs enable the labeling and X-ray fluorescence imaging of proteins. Chemical Science, 2018, 9, 4483-4487.	7.4	15
42	Ligand-Directed Chemistry of AMPA Receptors Confers Live-Cell Fluorescent Biosensors. ACS Chemical Biology, 2018, 13, 1880-1889.	3.4	18
43	In Situ Construction of Protein-Based Semisynthetic Biosensors. ACS Sensors, 2018, 3, 527-539.	7.8	21
44	An adaptive supramolecular hydrogel comprising self-sorting double nanofibre networks. Nature Nanotechnology, 2018, 13, 165-172.	31.5	151
45	Liveâ€Cell Protein Sulfonylation Based on Proximityâ€driven N â€Sulfonyl Pyridone Chemistry. Angewandte Chemie, 2018, 130, 667-670.	2.0	8
46	Endogenous Membrane Receptor Labeling by Reactive Cytokines and Growth Factors to Chase Their Dynamics in Live Cells. CheM, 2018, 4, 1451-1464.	11.7	9
47	Liveâ€Cell Protein Sulfonylation Based on Proximityâ€driven Nâ€Sulfonyl Pyridone Chemistry. Angewandte Chemie - International Edition, 2018, 57, 659-662.	13.8	39
48	Protein engineering through chemical, genetic and computational manipulation. Chemical Society Reviews, 2018, 47, 8977-8979.	38.1	5
49	Chemical Profiling of the Endoplasmic Reticulum Proteome Using Designer Labeling Reagents. Journal of the American Chemical Society, 2018, 140, 17060-17070.	13.7	37
50	Shank and Zinc Mediate an AMPA Receptor Subunit Switch in Developing Neurons. Frontiers in Molecular Neuroscience, 2018, 11, 405.	2.9	53
51	Rapid labelling and covalent inhibition of intracellular native proteins using ligand-directed N-acyl-N-alkyl sulfonamide. Nature Communications, 2018, 9, 1870.	12.8	133
52	Imaging-Based Study on Control Factors over Self-Sorting of Supramolecular Nanofibers Formed from Peptide- and Lipid-type Hydrogelators. Bioconjugate Chemistry, 2018, 29, 2058-2067.	3.6	29
53	Chemogenetic Approach Using Ni(II) Complexâ€“Agonist Conjugates Allows Selective Activation of Class A G-Protein-Coupled Receptors. ACS Central Science, 2018, 4, 1211-1221.	11.3	7
54	Design Strategies of Stimuli-Responsive Supramolecular Hydrogels Relying on Structural Analyses and Cell-Mimicking Approaches. Accounts of Chemical Research, 2017, 50, 740-750.	15.6	159

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55	Fluorescence Sensing of Inorganic Phosphate and Pyrophosphate Using Small Molecular Sensors and Their Applications. Topics in Current Chemistry, 2017, 375, 30.	5.8	42
56	Chemical labelling for visualizing native AMPA receptors in live neurons. Nature Communications, 2017, 8, 14850.	12.8	75
57	Construction of Protein-Based Biosensors Using Ligand-Directed Chemistry for Detecting Analyte Binding. Methods in Enzymology, 2017, 589, 253-280.	1.0	3
58	Recognition-driven chemical labeling of endogenous proteins in multi-molecular crowding in live cells. Chemical Communications, 2017, 53, 11972-11983.	4.1	34
59	Affinity-Guided Oxime Chemistry for Selective Protein Acylation in Live Tissue Systems. Journal of the American Chemical Society, 2017, 139, 14181-14191.	13.7	43
60	A Set of Organelle-Localizable Reactive Molecules for Mitochondrial Chemical Proteomics in Living Cells and Brain Tissues. Journal of the American Chemical Society, 2016, 138, 7592-7602.	13.7	55
61	Fluorescence imaging of ATP in neutrophils from patients with sepsis using organelle-localizable fluorescent chemosensors. Annals of Intensive Care, 2016, 6, 64.	4.6	6
62	Preparation of supramolecular hydrogelâ€“enzyme hybrids exhibiting biomolecule-responsive gel degradation. Nature Protocols, 2016, 11, 1744-1756.	12.0	35
63	Discovery of allosteric modulators for GABAA receptors by ligand-directed chemistry. Nature Chemical Biology, 2016, 12, 822-830.	8.0	53
64	Nucleus-selective Chemical Proteomics Using Hoechst-tagged Reactive Molecules. Chemistry Letters, 2016, 45, 265-267.	1.3	20
65	A conditional proteomics approach to identify proteins involved in zinc homeostasis. Nature Methods, 2016, 13, 931-937.	19.0	45
66	Allosteric activation of membrane-bound glutamate receptors using coordination chemistry within living cells. Nature Chemistry, 2016, 8, 958-967.	13.6	23
67	In situ real-time imaging of self-sorted supramolecular nanofibres. Nature Chemistry, 2016, 8, 743-752.	13.6	191
68	Ligation of Glycophorin A Generates Reactive Oxygen Species Leading to Decreased Red Blood Cell Function. PLoS ONE, 2016, 11, e0141206.	2.5	19
69	Recent Advance in Organic Chemistry for Protein Labeling under Live Cell Conditions. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2016, 74, 521-531.	0.1	0
70	Extended Affinity-guided DMAP Chemistry with a Finely Tuned Acyl Donor for Intracellular FKBP12 Labeling. Chemistry Letters, 2015, 44, 333-335.	1.3	12
71	Design of Coordination Interaction of Zn(II) Complex with Oligo-Aspartate Peptide to Afford a High-Affinity Tagâ€“Probe Pair. Bulletin of the Chemical Society of Japan, 2015, 88, 784-791.	3.2	7
72	Biomembrane-embedded Catalysts for Membrane-associated Protein Labeling on Red Blood Cells. Chemistry Letters, 2015, 44, 1673-1675.	1.3	4

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73	Chemically Reactive Supramolecular Hydrogel Coupled with a Signal Amplification System for Enhanced Analyte Sensitivity. Journal of the American Chemical Society, 2015, 137, 3360-3365.	13.7	119
74	Development of an AND Logicâ€Gateâ€Type Fluorescent Probe for Ratiometric Imaging of Autolysosome in Cell Autophagy. Chemistry - A European Journal, 2015, 21, 2038-2044.	3.3	28
75	Analysis of Cell-Surface Receptor Dynamics through Covalent Labeling by Catalyst-Tethered Antibody. Journal of the American Chemical Society, 2015, 137, 5372-5380.	13.7	55
76	Protein recognition using synthetic small-molecular binders toward optical protein sensing in vitro and in live cells. Chemical Society Reviews, 2015, 44, 4454-4471.	38.1	121
77	Ligand-directed dibromophenyl benzoate chemistry for rapid and selective acylation of intracellular natural proteins. Chemical Science, 2015, 6, 3217-3224.	7.4	67
78	Supramolecular Assemblies Responsive to Biomolecules toward Biological Applications. Chemistry - an Asian Journal, 2015, 10, 2026-2038.	3.3	35
79	Validating subcellular thermal changes revealed by fluorescent thermosensors. Nature Methods, 2015, 12, 801-802.	19.0	76
80	Rapid and quantitative fluorescence detection of pathogenic spore-forming bacteria using a xanthene-Zn(II) complex chemosensor. Sensors and Actuators B: Chemical, 2015, 209, 606-612.	7.8	8
81	Labeling Proteins by Affinity-Guided DMAP Chemistry. Methods in Molecular Biology, 2015, 1266, 229-242.	0.9	4
82	Ligand-Directed Tosyl Chemistry for Selective Native Protein Labeling In Vitro, In Cells, and In Vivo. Methods in Molecular Biology, 2015, 1266, 243-263.	0.9	2
83	Live cell off-target identification of lapatinib using ligand-directed tosyl chemistry. Chemical Communications, 2014, 50, 14097-14100.	4.1	15
84	Twoâ€Photonâ€Responsive Supramolecular Hydrogel for Controlling Materials Motion in Micrometer Space. Angewandte Chemie - International Edition, 2014, 53, 7264-7267.	13.8	57
85	Installing logic-gate responses to a variety of biological substances in supramolecular hydrogelâ€“enzyme hybrids. Nature Chemistry, 2014, 6, 511-518.	13.6	370
86	Design of a binuclear Ni(II)â€“iminodiacetic acid (IDA) complex for selective recognition and covalent labeling of His-tag fused proteins. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 2855-2858.	2.2	16
87	Peptide Tag/Probe Pairs Based on the Coordination Chemistry for Protein Labeling. Inorganic Chemistry, 2014, 53, 1816-1823.	4.0	34
88	Intracellular Protein-Responsive Supramolecules: Protein Sensing and In-Cell Construction of Inhibitor Assay System. Journal of the American Chemical Society, 2014, 136, 16635-16642.	13.7	64
89	Design of peptide-based bolaamphiphiles exhibiting heat-set hydrogelation via retro-Dielsâ€“Alder reaction. Journal of Materials Chemistry B, 2014, 2, 1464.	5.8	18
90	Ligand-directed tosyl chemistry for in situ native protein labeling and engineering in living systems: from basic properties to applications. Current Opinion in Chemical Biology, 2014, 21, 136-143.	6.1	52

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91	LDAI-Based Chemical Labeling of Intact Membrane Proteins and Its Pulse-Chase Analysis under Live Cell Conditions. Chemistry and Biology, 2014, 21, 1013-1022.	6.0	60
92	Recent Progress in Design of Protein-Based Fluorescent Biosensors and Their Cellular Applications. ACS Chemical Biology, 2014, 9, 2708-2717.	3.4	93
93	Design of Ratiometric Fluorescent Probes Based on Areneâ€“Metalâ€Ion Interactions and Their Application to Cd^{II} and Hydrogen Sulfide Imaging in Living Cells. Chemistry - A European Journal, 2014, 20, 2184-2192.	3.3	29
94	Synthetic Self-Localizing Ligands That Control the Spatial Location of Proteins in Living Cells. Journal of the American Chemical Society, 2013, 135, 12684-12689.	13.7	80
95	Specific Detection and Imaging of Enzyme Activity by Signalâ€Amplifiable Selfâ€Assembling ¹⁹Fâ€...MRI Probes. Chemistry - A European Journal, 2013, 19, 12875-12883.	3.3	35
96	Genetically encoded fluorescent thermosensors visualize subcellular thermoregulation in living cells. Nature Methods, 2013, 10, 1232-1238.	19.0	207
97	One-step construction of caged carbonic anhydrase I using a ligand-directed acyl imidazole-based protein labeling method. Chemical Science, 2013, 4, 2573.	7.4	37
98	CR1-mediated ATP Release by Human Red Blood Cells Promotes CR1 Clustering and Modulates the Immune Transfer Process. Journal of Biological Chemistry, 2013, 288, 31139-31153.	3.4	30
99	Supramolecular hydrogels based on bola-amphiphilic glycolipids showing color change in response to glycosidases. Chemical Communications, 2013, 49, 2115-2117.	4.1	45
100	Protein Organic Chemistry and Applications for Labeling and Engineering in Liveâ€Cell Systems. Angewandte Chemie - International Edition, 2013, 52, 4088-4106.	13.8	284
101	In-cell covalent labeling of reactive His-tag fused proteins. Chemical Communications, 2013, 49, 5022.	4.1	47
102	Fluorophore Labeling of Native FKBP12 by Ligand-Directed Tosyl Chemistry Allows Detection of Its Molecular Interactions in Vitro and in Living Cells. Journal of the American Chemical Society, 2013, 135, 6782-6785.	13.7	68
103	Quantitative comparison of protein dynamics in live cells and in vitro by in-cell 19F-NMR. Chemical Communications, 2013, 49, 2801.	4.1	47
104	Semisynthetic Lectinâ€“4-Dimethylaminopyridine Conjugates for Labeling and Profiling Glycoproteins on Live Cell Surfaces. Journal of the American Chemical Society, 2013, 135, 12252-12258.	13.7	50
105	Selective binding of antimicrobial porphyrins to the hemeâ€receptor IsdHâ€NEAT3 of Staphylococcus aureus. Protein Science, 2013, 22, 942-953.	7.6	20
106	Disassembly-driven Turn-on Sensing of Enzyme Activity by Substrate-based Fluorescent Nanoprobe. Chemistry Letters, 2013, 42, 1426-1428.	1.3	2
107	Ligand Directed Chemistry for Protein Labeling and Functionalization in Living Cells. Seibutsu Butsuri, 2013, 53, 202-205.	0.1	0
108	Label-free Fluorescent Detection of Loop-mediated Isothermal Amplification of Nucleic Acid Using Pyrophosphate-selective Xanthene-based Zn(II)-coordination Chemosensor. Chemistry Letters, 2012, 41, 1666-1668.	1.3	5

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109	What do we want to see and how?. Current Opinion in Chemical Biology, 2012, 16, 593-594.	6.1	0
110	A supramolecular hydrogel containing boronic acid-appended receptor for fluorocolorimetric sensing of polyols with a paper platform. Chemical Communications, 2012, 48, 2716.	4.1	59
111	Organelle-Localizable Fluorescent Chemosensors for Site-Specific Multicolor Imaging of Nucleoside Polyphosphate Dynamics in Living Cells. Journal of the American Chemical Society, 2012, 134, 18779-18789.	13.7	148
112	Native FKBP12 Engineering by Ligand-Directed Tosyl Chemistry: Labeling Properties and Application to Photo-Cross-Linking of Protein Complexes in Vitro and in Living Cells. Journal of the American Chemical Society, 2012, 134, 2216-2226.	13.7	81
113	Heatâ€Induced Morphological Transformation of Supramolecular Nanostructures by Retroâ€Dielsâ€“Alder Reaction. Chemistry - A European Journal, 2012, 18, 13091-13096.	3.3	45
114	Bacteria Interface Pickering Emulsions Stabilized by Self-assembled Bacteriaâ€“Chitosan Network. Langmuir, 2012, 28, 5729-5736.	3.5	105
115	Ligand-Directed Acyl Imidazole Chemistry for Labeling of Membrane-Bound Proteins on Live Cells. Journal of the American Chemical Society, 2012, 134, 3961-3964.	13.7	161
116	Traceless Affinity Labeling of Endogenous Proteins for Functional Analysis in Living Cells. Accounts of Chemical Research, 2012, 45, 1460-1469.	15.6	87
117	Design of a multinuclear Zn(<scp>ii</scp>) complex as a new molecular probe for fluorescence imaging of His-tag fused proteins. Chemical Communications, 2012, 48, 594-596.	4.1	28
118	Specific Cell Surface Protein Imaging by Extended Self-Assembling Fluorescent Turn-on Nanoprobes. Journal of the American Chemical Society, 2012, 134, 13386-13395.	13.7	158
119	Titelbild: Meter-Long and Robust Supramolecular Strands Encapsulated in Hydrogel Jackets (Angew.) Tj ETQq1 1 0.784314 rgBT /Over	2.0	0
120	Meterâ€Long and Robust Supramolecular Strands Encapsulated in Hydrogel Jackets. Angewandte Chemie - International Edition, 2012, 51, 1553-1557.	13.8	55
121	Phosphopeptideâ€Dependent Labeling of 14â€“3â€“3â€‰Î¶ Proteins by Fusicoccinâ€Based Fluorescent Probes. Angewandte Chemie - International Edition, 2012, 51, 509-512.	13.8	49
122	Mechanisms of chemical protein19F-labeling and NMR-based biosensor construction in vitro and in cells using self-assembling ligand-directed tosylate compounds. Chemical Science, 2011, 2, 511-520.	7.4	40
123	Chemical Cell-Surface Receptor Engineering Using Affinity-Guided, Multivalent Organocatalysts. Journal of the American Chemical Society, 2011, 133, 12220-12228.	13.7	102
124	Systematic Study of Protein Detection Mechanism of Self-Assembling ¹⁹F NMR/MRI Nanoprobes toward Rational Design and Improved Sensitivity. Journal of the American Chemical Society, 2011, 133, 11725-11731.	13.7	70
125	Montmorilloniteâ€'Supramolecular Hydrogel Hybrid for Fluorocolorimetric Sensing of Polyamines. Journal of the American Chemical Society, 2011, 133, 1670-1673.	13.7	159
126	Mechanical Reinforcement of Supramolecular Hydrogel through Incorporation of Multiple Noncovalent Interactions. Chemistry Letters, 2011, 40, 198-200.	1.3	16

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127	Stiff, Multistimuliâ€Responsive Supramolecular Hydrogels as Unique Molds for 2D/3D Microarchitectures of Live Cells. Chemistry - an Asian Journal, 2011, 6, 2368-2375.	3.3	37
128	Rational Molecular Design of Stimulusâ€Responsive Supramolecular Hydrogels Based on Dipeptides. Advanced Materials, 2011, 23, 2819-2822.	21.0	183
129	Rigid Luminescent Bisâ€Zinc(II)â€"Bisâ€Cyclen Complexes for the Detection of Phosphate Anions and Nonâ€Covalent Protein Labeling in Aqueous Solution. European Journal of Organic Chemistry, 2011, 2011, 2807-2817.	2.4	42
130	Construction of a 19F-lectin biosensor for glycoprotein imaging by using affinity-guided DMAP chemistry. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 4393-4396.	2.2	18
131	Thermoresponsive Fluorescent Sensor Based on Core/Shell Nanocomposite Composed of Gold Nanoparticles and Poly(N-isopropylacrylamide). Chemistry Letters, 2010, 39, 184-185.	1.3	9
132	Binuclear Ni^{II}â€DpaTyr Complex as a High Affinity Probe for an Oligoâ€Aspartate Tag Tethered to Proteins. Chemistry - an Asian Journal, 2010, 5, 877-886.	3.3	17
133	Disassembly-Driven Turn-On Fluorescent Nanoprobes for Selective Protein Detection. Journal of the American Chemical Society, 2010, 132, 7291-7293.	13.7	107
134	Fluidic supramolecular nano- and microfibres as molecular rails for regulated movement of nanosubstances. Nature Communications, 2010, 1, 20.	12.8	28
135	Rational Design of FRET-Based Ratiometric Chemosensors for in Vitro and in Cell Fluorescence Analyses of Nucleoside Polyphosphates. Journal of the American Chemical Society, 2010, 132, 13290-13299.	13.7	230
136	Development of Highly Sensitive Fluorescent Probes for Detection of Intracellular Copper(I) in Living Systems. Journal of the American Chemical Society, 2010, 132, 5938-5939.	13.7	203
137	Selective Covalent Labeling of Tag-Fused GPCR Proteins on Live Cell Surface with a Synthetic Probe for Their Functional Analysis. Journal of the American Chemical Society, 2010, 132, 9301-9309.	13.7	93
138	Supramolecular hydrogel capsule showing prostate specific antigen-responsive function for sensing and targeting prostate cancer cells. Chemical Science, 2010, 1, 491.	7.4	75
139	Supramolecular hydrogel-based protein and chemosensor array. Lab on A Chip, 2010, 10, 3325.	6.0	89
140	Selective and direct inhibition of TRPC3 channels underlies biological activities of a pyrazole compound. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5400-5405.	7.1	344
141	Recent Progress in Strategies for the Creation of Proteinâ€Based Fluorescent Biosensors. ChemBioChem, 2009, 10, 2560-2577.	2.6	98
142	Self-assembling nanoprobes that display off/on 19F nuclear magnetic resonance signals for protein detection and imaging. Nature Chemistry, 2009, 1, 557-561.	13.6	204
143	Ligand-directed tosyl chemistry for protein labeling in vivo. Nature Chemical Biology, 2009, 5, 341-343.	8.0	318
144	Real-time fluorescence monitoring of GSK3Î²-catalyzed phosphoryation by use of a BODIPY-based Zn(II)â€"Dpa chemosensor. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 4175-4177.	2.2	11

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145	FLAG-tag selective covalent protein labeling via a binding-induced acyl-transfer reaction. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 6696-6699.	2.2	18
146	Sequence selective dual-emission detection of (i, i + 1) bis-phosphorylated peptide using diazastilbene-type Zn(ii)-Dpa chemosensor. Chemical Communications, 2009, , 2848.	4.1	35
147	Supramolecular Hydrogel Exhibiting Four Basic Logic Gate Functions To Fine-Tune Substance Release. Journal of the American Chemical Society, 2009, 131, 5580-5585.	13.7	295
148	MCMâ^'Enzymeâ^'Supramolecular Hydrogel Hybrid as a Fluorescence Sensing Material for Polyanions of Biological Significance. Journal of the American Chemical Society, 2009, 131, 5321-5330.	13.7	168
149	Quenched Ligand-Directed Tosylate Reagents for One-Step Construction of Turn-On Fluorescent Biosensors. Journal of the American Chemical Society, 2009, 131, 9046-9054.	13.7	77
150	Molecular recognition, fluorescence sensing, and biological assay of phosphate anion derivatives using artificial Zn(<scp>ii</scp>)â€"Dpa complexes. Chemical Communications, 2009, , 141-152.	4.1	239
151	Site-specific covalent labeling of His-tag fused proteins with a reactive Ni(ii)â€"NTA probe. Chemical Communications, 2009, , 5880.	4.1	64
152	Fluorescent BODIPY-Based Zn(II) Complex as a Molecular Probe for Selective Detection of Neurofibrillary Tangles in the Brains of Alzheimerâ€™s Disease Patients. Journal of the American Chemical Society, 2009, 131, 6543-6548.	13.7	168
153	2P-157 BIOMIMETIC FUNCTIONAL FIBROUS GEL CONSTRUCTED BY HIERARCHICAL SUPRAMOLECULAR ASSEMBLY OF ORGANIC MOLECULES(Cell biology,The 47th Annual Meeting of the Biophysical Society of) Tj ETQq1 1 0.784314 rgBT /O		
154	Mechanical Reinforcement of a Supramolecular Hydrogel Comprising an Artificial Glycoâ€Lipid through Supramolecular Copolymerization. Macromolecular Bioscience, 2008, 8, 1019-1025.	4.1	9
155	Ratiometric Fluorescent Biosensor for Realâ€Time and Labelâ€Free Monitoring of Fine Saccharide Metabolic Pathways. ChemBioChem, 2008, 9, 25-28.	2.6	18
156	Artificial Receptors Designed for Intracellular Delivery of Anionic Phosphate Derivatives. ChemBioChem, 2008, 9, 698-701.	2.6	16
157	Thermally Responsive Supramolecular Nanomeshes for On/Off Switching of the Rotary Motion of F₁â€ATPase at the Singleâ€Molecule Level. Chemistry - A European Journal, 2008, 14, 1891-1896.	3.3	30
158	Photo Gelâ€"Sol/Solâ€"Gel Transition and Its Patterning of a Supramolecular Hydrogel as Stimuliâ€Responsive Biomaterials. Chemistry - A European Journal, 2008, 14, 3977-3986.	3.3	208
159	Threeâ€Dimensional Encapsulation of Live Cells by Using a Hybrid Matrix of Nanoparticles in a Supramolecular Hydrogel. Chemistry - A European Journal, 2008, 14, 10808-10815.	3.3	33
160	Photo-responsive gel droplet as a nano- or pico-litre container comprising a supramolecular hydrogel. Chemical Communications, 2008, , 1545.	4.1	72
161	Affinityâ€Labelingâ€Based Introduction of a Reactive Handle for Natural Protein Modification. Chemistry - an Asian Journal, 2008, 3, 1134-1139.	3.3	30
162	Fluorescence Imaging of Intracellular Cadmium Using a Dual-Excitation Ratiometric Chemosensor. Journal of the American Chemical Society, 2008, 130, 12564-12565.	13.7	197

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