

# Itaru Hamachi

## List of Publications by Year in descending order

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275  
papers

16,625  
citations

12303

69  
h-index

19690

117  
g-index

295  
all docs

295  
docs citations

295  
times ranked

13665  
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, .	5.8	7
3	Chemical biology tools for imaging-based analysis of organelle membranes and lipids. Current Opinion in Chemical Biology, 2022, 70, 102182.	2.8	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.	1.4	12
5	Recent applications of <i>N</i> -acyl imidazole chemistry in chemical biology. Bioscience, Biotechnology and Biochemistry, 2021, 85, 53-60.	0.6	13
6	Ligand-directed two-step labeling to quantify neuronal glutamate receptor trafficking. Nature Communications, 2021, 12, 831.	5.8	24
7	Enhanced Suppression of a Protein-Protein Interaction in Cells Using Small-Molecule Covalent Inhibitors Based on an <i>N</i> -Acyl- <i>N</i> -alkyl Sulfonamide Warhead. Journal of the American Chemical Society, 2021, 143, 4766-4774.	6.6	37
8	Organelle-Selective Labeling of Choline-Containing Phospholipids (CPLs) and Real-Time Imaging in Living Cells. Current Protocols, 2021, 1, e105.	1.3	4
9	Microscopic Imaging Techniques for Molecular Assemblies: Electron, Atomic Force, and Confocal Microscopies. Chemical Reviews, 2021, 121, 14281-14347.	23.0	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.	6.6	26
11	Orthogonal Activation of Metabotropic Glutamate Receptor Using Coordination Chemogenetics. Frontiers in Chemistry, 2021, 9, 825669.	1.8	2
12	Extracellular ATP Limits Homeostatic T Cell Migration Within Lymph Nodes. Frontiers in Immunology, 2021, 12, 786595.	2.2	8
13	Development of a Cell-Based Ligand-Screening System for Identifying Hsp90 Inhibitors. Biochemistry, 2020, 59, 179-182.	1.2	16
14	Development of a Photoactivatable Proximity Labeling Method for the Identification of Nuclear Proteins. Chemistry Letters, 2020, 49, 145-148.	0.7	34
15	Force generation by a propagating wave of supramolecular nanofibers. Nature Communications, 2020, 11, 3541.	5.8	24
16	Chemical Tools for Endogenous Protein Labeling and Profiling. Cell Chemical Biology, 2020, 27, 970-985.	2.5	65
17	Protein-responsive protein release of supramolecular/polymer hydrogel composite integrating enzyme activation systems. Nature Communications, 2020, 11, 3859.	5.8	47
18	Control of seed formation allows two distinct self-sorting patterns of supramolecular nanofibers. Nature Communications, 2020, 11, 4100.	5.8	31

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19	Organelle membrane-specific chemical labeling and dynamic imaging in living cells. <i>Nature Chemical Biology</i> , 2020, 16, 1361-1367.	3.9	59
20	Activity-Based Sensing with a Metal-Directed Acyl Imidazole Strategy Reveals Cell Type-Dependent Pools of Labile Brain Copper. <i>Journal of the American Chemical Society</i> , 2020, 142, 14993-15003.	6.6	44
21	Imaging and Profiling of Proteins under Oxidative Conditions in Cells and Tissues by Hydrogen-Peroxide-Responsive Labeling. <i>Journal of the American Chemical Society</i> , 2020, 142, 15711-15721.	6.6	30
22	Fluorescence imaging of drug target proteins using chemical probes. <i>Journal of Pharmaceutical Analysis</i> , 2020, 10, 426-433.	2.4	26
23	Fluorescence Differentiation of ATP-Related Multiple Enzymatic Activities in Synovial Fluid as a Marker of Calcium Pyrophosphate Deposition Disease Using Kyoto Green. <i>Molecules</i> , 2020, 25, 1116.	1.7	2
24	Masking Phosphate with Rare-Earth Elements Enables Selective Detection of Arsenate by Dipicolylamine-ZnII Chemosensor. <i>Scientific Reports</i> , 2020, 10, 2656.	1.6	7
25	The Power of Confocal Laser Scanning Microscopy in Supramolecular Chemistry: In situ Real-time Imaging of Stimuli-responsive Multicomponent Supramolecular Hydrogels. <i>ChemistryOpen</i> , 2020, 9, 67-79.	0.9	39
26	Screening of protein-ligand interactions under crude conditions by native mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 4037-4043.	1.9	10
27	<i>In Situ</i> Real-time Confocal Imaging of a Self-assembling Peptide-grafted Polymer Showing pH-responsive Hydrogelation. <i>Chemistry Letters</i> , 2020, 49, 1319-1323.	0.7	12
28	Construction of a Fluorescent Screening System of Allosteric Modulators for the GABA <sub>A</sub> Receptor Using a Turn-On Probe. <i>ACS Central Science</i> , 2019, 5, 1541-1553.	5.3	21
29	pH Nanosensor Using Electronic Spins in Diamond. <i>ACS Nano</i> , 2019, 13, 11726-11732.	7.3	68
30	Development of a Nitric Oxide-Responsive Labeling Reagent for Proteome Analysis of Live Cells. <i>ACS Chemical Biology</i> , 2019, 14, 397-404.	1.6	9
31	Ligand-Directed N-Sulfonyl Pyridone Chemistry for Selective Native Protein Labeling and Imaging in Live Cell. <i>Methods in Molecular Biology</i> , 2019, 2008, 203-224.	0.4	1
32	Optimized Reaction Pair of the CysHis Tag and Ni(II)-NTA Probe for Highly Selective Chemical Labeling of Membrane Proteins. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 995-1000.	2.0	7
33	Post-assembly Fabrication of a Functional Multicomponent Supramolecular Hydrogel Based on a Self-Sorting Double Network. <i>Journal of the American Chemical Society</i> , 2019, 141, 4997-5004.	6.6	51
34	Construction of ligand assay systems by protein-based semisynthetic biosensors. <i>Current Opinion in Chemical Biology</i> , 2019, 50, 10-18.	2.8	7
35	On-cell coordination chemistry: Chemogenetic activation of membrane-bound glutamate receptors in living cells. <i>Methods in Enzymology</i> , 2019, 622, 411-430.	0.4	5
36	Electron Microscopic Detection of Single Membrane Proteins by a Specific Chemical Labeling. <i>IScience</i> , 2019, 22, 256-268.	1.9	9

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37	Chemical proteomics for subcellular proteome analysis. <i>Current Opinion in Chemical Biology</i> , 2019, 48, 1-7.	2.8	32
38	Chemistry for Covalent Modification of Endogenous/Native Proteins: From Test Tubes to Complex Biological Systems. <i>Journal of the American Chemical Society</i> , 2019, 141, 2782-2799.	6.6	222
39	Selective and reversible modification of kinase cysteines with chlorofluoroacetamides. <i>Nature Chemical Biology</i> , 2019, 15, 250-258.	3.9	90
40	Recent Progress in Chemical Modification of Proteins. <i>Analytical Sciences</i> , 2019, 35, 5-27.	0.8	74
41	Graftable SCoMPs enable the labeling and X-ray fluorescence imaging of proteins. <i>Chemical Science</i> , 2018, 9, 4483-4487.	3.7	15
42	Ligand-Directed Chemistry of AMPA Receptors Confers Live-Cell Fluorescent Biosensors. <i>ACS Chemical Biology</i> , 2018, 13, 1880-1889.	1.6	18
43	<i>In Situ</i> Construction of Protein-Based Semisynthetic Biosensors. <i>ACS Sensors</i> , 2018, 3, 527-539.	4.0	21
44	An adaptive supramolecular hydrogel comprising self-sorting double nanofibre networks. <i>Nature Nanotechnology</i> , 2018, 13, 165-172.	15.6	151
45	Live-Cell Protein Sulfonylation Based on Proximity-Driven N-Sulfonyl Pyridone Chemistry. <i>Angewandte Chemie</i> , 2018, 130, 667-670.	1.6	8
46	Endogenous Membrane Receptor Labeling by Reactive Cytokines and Growth Factors to Chase Their Dynamics in Live Cells. <i>CheM</i> , 2018, 4, 1451-1464.	5.8	9
47	Live-Cell Protein Sulfonylation Based on Proximity-Driven N-Sulfonyl Pyridone Chemistry. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 659-662.	7.2	39
48	Protein engineering through chemical, genetic and computational manipulation. <i>Chemical Society Reviews</i> , 2018, 47, 8977-8979.	18.7	5
49	Chemical Profiling of the Endoplasmic Reticulum Proteome Using Designer Labeling Reagents. <i>Journal of the American Chemical Society</i> , 2018, 140, 17060-17070.	6.6	37
50	Shank and Zinc Mediate an AMPA Receptor Subunit Switch in Developing Neurons. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 405.	1.4	53
51	Rapid labelling and covalent inhibition of intracellular native proteins using ligand-directed N-acyl-N-alkyl sulfonamide. <i>Nature Communications</i> , 2018, 9, 1870.	5.8	133
52	Imaging-Based Study on Control Factors over Self-Sorting of Supramolecular Nanofibers Formed from Peptide- and Lipid-type Hydrogelators. <i>Bioconjugate Chemistry</i> , 2018, 29, 2058-2067.	1.8	29
53	Chemogenetic Approach Using Ni(II) Complex-Agonist Conjugates Allows Selective Activation of Class A G-Protein-Coupled Receptors. <i>ACS Central Science</i> , 2018, 4, 1211-1221.	5.3	7
54	Design Strategies of Stimuli-Responsive Supramolecular Hydrogels Relying on Structural Analyses and Cell-Mimicking Approaches. <i>Accounts of Chemical Research</i> , 2017, 50, 740-750.	7.6	159

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55	Fluorescence Sensing of Inorganic Phosphate and Pyrophosphate Using Small Molecular Sensors and Their Applications. <i>Topics in Current Chemistry</i> , 2017, 375, 30.	3.0	42
56	Chemical labelling for visualizing native AMPA receptors in live neurons. <i>Nature Communications</i> , 2017, 8, 14850.	5.8	75
57	Construction of Protein-Based Biosensors Using Ligand-Directed Chemistry for Detecting Analyte Binding. <i>Methods in Enzymology</i> , 2017, 589, 253-280.	0.4	3
58	Recognition-driven chemical labeling of endogenous proteins in multi-molecular crowding in live cells. <i>Chemical Communications</i> , 2017, 53, 11972-11983.	2.2	34
59	Affinity-Guided Oxime Chemistry for Selective Protein Acylation in Live Tissue Systems. <i>Journal of the American Chemical Society</i> , 2017, 139, 14181-14191.	6.6	43
60	A Set of Organelle-Localizable Reactive Molecules for Mitochondrial Chemical Proteomics in Living Cells and Brain Tissues. <i>Journal of the American Chemical Society</i> , 2016, 138, 7592-7602.	6.6	55
61	Fluorescence imaging of ATP in neutrophils from patients with sepsis using organelle-localizable fluorescent chemosensors. <i>Annals of Intensive Care</i> , 2016, 6, 64.	2.2	6
62	Preparation of supramolecular hydrogel-enzyme hybrids exhibiting biomolecule-responsive gel degradation. <i>Nature Protocols</i> , 2016, 11, 1744-1756.	5.5	35
63	Discovery of allosteric modulators for GABAA receptors by ligand-directed chemistry. <i>Nature Chemical Biology</i> , 2016, 12, 822-830.	3.9	53
64	Nucleus-selective Chemical Proteomics Using Hoechst-tagged Reactive Molecules. <i>Chemistry Letters</i> , 2016, 45, 265-267.	0.7	20
65	A conditional proteomics approach to identify proteins involved in zinc homeostasis. <i>Nature Methods</i> , 2016, 13, 931-937.	9.0	45
66	Allosteric activation of membrane-bound glutamate receptors using coordination chemistry within living cells. <i>Nature Chemistry</i> , 2016, 8, 958-967.	6.6	23
67	In situ real-time imaging of self-sorted supramolecular nanofibres. <i>Nature Chemistry</i> , 2016, 8, 743-752.	6.6	191
68	Ligation of Glycophorin A Generates Reactive Oxygen Species Leading to Decreased Red Blood Cell Function. <i>PLoS ONE</i> , 2016, 11, e0141206.	1.1	19
69	Recent Advance in Organic Chemistry for Protein Labeling under Live Cell Conditions. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2016, 74, 521-531.	0.0	0
70	Extended Affinity-guided DMAP Chemistry with a Finely Tuned Acyl Donor for Intracellular FKBP12 Labeling. <i>Chemistry Letters</i> , 2015, 44, 333-335.	0.7	12
71	Design of Coordination Interaction of Zn(II) Complex with Oligo-Aspartate Peptide to Afford a High-Affinity Tag-Probe Pair. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 784-791.	2.0	7
72	Biomembrane-embedded Catalysts for Membrane-associated Protein Labeling on Red Blood Cells. <i>Chemistry Letters</i> , 2015, 44, 1673-1675.	0.7	4

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73	Chemically Reactive Supramolecular Hydrogel Coupled with a Signal Amplification System for Enhanced Analyte Sensitivity. <i>Journal of the American Chemical Society</i> , 2015, 137, 3360-3365.	6.6	119
74	Development of an AND Logic "Gate" Type Fluorescent Probe for Ratiometric Imaging of Autolysosome in Cell Autophagy. <i>Chemistry - A European Journal</i> , 2015, 21, 2038-2044.	1.7	28
75	Analysis of Cell-Surface Receptor Dynamics through Covalent Labeling by Catalyst-Tethered Antibody. <i>Journal of the American Chemical Society</i> , 2015, 137, 5372-5380.	6.6	55
76	Protein recognition using synthetic small-molecular binders toward optical protein sensing in vitro and in live cells. <i>Chemical Society Reviews</i> , 2015, 44, 4454-4471.	18.7	121
77	Ligand-directed dibromophenyl benzoate chemistry for rapid and selective acylation of intracellular natural proteins. <i>Chemical Science</i> , 2015, 6, 3217-3224.	3.7	67
78	Supramolecular Assemblies Responsive to Biomolecules toward Biological Applications. <i>Chemistry - an Asian Journal</i> , 2015, 10, 2026-2038.	1.7	35
79	Validating subcellular thermal changes revealed by fluorescent thermosensors. <i>Nature Methods</i> , 2015, 12, 801-802.	9.0	76
80	Rapid and quantitative fluorescence detection of pathogenic spore-forming bacteria using a xanthene-Zn(II) complex chemosensor. <i>Sensors and Actuators B: Chemical</i> , 2015, 209, 606-612.	4.0	8
81	Labeling Proteins by Affinity-Guided DMAP Chemistry. <i>Methods in Molecular Biology</i> , 2015, 1266, 229-242.	0.4	4
82	Ligand-Directed Tosyl Chemistry for Selective Native Protein Labeling In Vitro, In Cells, and In Vivo. <i>Methods in Molecular Biology</i> , 2015, 1266, 243-263.	0.4	2
83	Live cell off-target identification of lapatinib using ligand-directed tosyl chemistry. <i>Chemical Communications</i> , 2014, 50, 14097-14100.	2.2	15
84	Two-Photon-Responsive Supramolecular Hydrogel for Controlling Materials Motion in Micrometer Space. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7264-7267.	7.2	57
85	Installing logic-gate responses to a variety of biological substances in supramolecular hydrogel-enzyme hybrids. <i>Nature Chemistry</i> , 2014, 6, 511-518.	6.6	370
86	Design of a binuclear Ni(II)-iminodiacetic acid (IDA) complex for selective recognition and covalent labeling of His-tag fused proteins. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 2855-2858.	1.0	16
87	Peptide Tag/Probe Pairs Based on the Coordination Chemistry for Protein Labeling. <i>Inorganic Chemistry</i> , 2014, 53, 1816-1823.	1.9	34
88	Intracellular Protein-Responsive Supramolecules: Protein Sensing and In-Cell Construction of Inhibitor Assay System. <i>Journal of the American Chemical Society</i> , 2014, 136, 16635-16642.	6.6	64
89	Design of peptide-based bolaamphiphiles exhibiting heat-set hydrogelation via retro-Diels-Alder reaction. <i>Journal of Materials Chemistry B</i> , 2014, 2, 1464.	2.9	18
90	Ligand-directed tosyl chemistry for in situ native protein labeling and engineering in living systems: from basic properties to applications. <i>Current Opinion in Chemical Biology</i> , 2014, 21, 136-143.	2.8	52

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91	LDAI-Based Chemical Labeling of Intact Membrane Proteins and Its Pulse-Chase Analysis under Live Cell Conditions. <i>Chemistry and Biology</i> , 2014, 21, 1013-1022.	6.2	60
92	Recent Progress in Design of Protein-Based Fluorescent Biosensors and Their Cellular Applications. <i>ACS Chemical Biology</i> , 2014, 9, 2708-2717.	1.6	93
93	Design of Ratiometric Fluorescent Probes Based on Arsenite-Metal-Ion Interactions and Their Application to Cd <sup>II</sup> and Hydrogen Sulfide Imaging in Living Cells. <i>Chemistry - A European Journal</i> , 2014, 20, 2184-2192.	1.7	29
94	Synthetic Self-Localizing Ligands That Control the Spatial Location of Proteins in Living Cells. <i>Journal of the American Chemical Society</i> , 2013, 135, 12684-12689.	6.6	80
95	Specific Detection and Imaging of Enzyme Activity by Signal-Amplifiable Self-Assembling MRI Probes. <i>Chemistry - A European Journal</i> , 2013, 19, 12875-12883.	1.7	35
96	Genetically encoded fluorescent thermosensors visualize subcellular thermoregulation in living cells. <i>Nature Methods</i> , 2013, 10, 1232-1238.	9.0	207
97	One-step construction of caged carbonic anhydrase I using a ligand-directed acyl imidazole-based protein labeling method. <i>Chemical Science</i> , 2013, 4, 2573.	3.7	37
98	CR1-mediated ATP Release by Human Red Blood Cells Promotes CR1 Clustering and Modulates the Immune Transfer Process. <i>Journal of Biological Chemistry</i> , 2013, 288, 31139-31153.	1.6	30
99	Supramolecular hydrogels based on bola-amphiphilic glycolipids showing color change in response to glycosidases. <i>Chemical Communications</i> , 2013, 49, 2115-2117.	2.2	45
100	Protein Organic Chemistry and Applications for Labeling and Engineering in Live Cell Systems. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4088-4106.	7.2	284
101	In-cell covalent labeling of reactive His-tag fused proteins. <i>Chemical Communications</i> , 2013, 49, 5022.	2.2	47
102	Fluorophore Labeling of Native FKBP12 by Ligand-Directed Tosyl Chemistry Allows Detection of Its Molecular Interactions in Vitro and in Living Cells. <i>Journal of the American Chemical Society</i> , 2013, 135, 6782-6785.	6.6	68
103	Quantitative comparison of protein dynamics in live cells and in vitro by in-cell 19F-NMR. <i>Chemical Communications</i> , 2013, 49, 2801.	2.2	47
104	Semisynthetic Lectin-4-Dimethylaminopyridine Conjugates for Labeling and Profiling Glycoproteins on Live Cell Surfaces. <i>Journal of the American Chemical Society</i> , 2013, 135, 12252-12258.	6.6	50
105	Selective binding of antimicrobial porphyrins to the heme-receptor IsdH-NEAT3 of <i>Staphylococcus aureus</i> . <i>Protein Science</i> , 2013, 22, 942-953.	3.1	20
106	Disassembly-driven Turn-on Sensing of Enzyme Activity by Substrate-based Fluorescent Nanoprobe. <i>Chemistry Letters</i> , 2013, 42, 1426-1428.	0.7	2
107	Ligand Directed Chemistry for Protein Labeling and Functionalization in Living Cells. <i>Seibutsu Butsuri</i> , 2013, 53, 202-205.	0.0	0
108	Label-free Fluorescent Detection of Loop-mediated Isothermal Amplification of Nucleic Acid Using Pyrophosphate-selective Xanthene-based Zn(II)-coordination Chemosensor. <i>Chemistry Letters</i> , 2012, 41, 1666-1668.	0.7	5

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109	What do we want to see and how?. <i>Current Opinion in Chemical Biology</i> , 2012, 16, 593-594.	2.8	0
110	A supramolecular hydrogel containing boronic acid-appended receptor for fluorocolorimetric sensing of polyols with a paper platform. <i>Chemical Communications</i> , 2012, 48, 2716.	2.2	59
111	Organelle-Localizable Fluorescent Chemosensors for Site-Specific Multicolor Imaging of Nucleoside Polyphosphate Dynamics in Living Cells. <i>Journal of the American Chemical Society</i> , 2012, 134, 18779-18789.	6.6	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. <i>Journal of the American Chemical Society</i> , 2012, 134, 2216-2226.	6.6	81
113	Heat-Induced Morphological Transformation of Supramolecular Nanostructures by Retro-Diels-Alder Reaction. <i>Chemistry - A European Journal</i> , 2012, 18, 13091-13096.	1.7	45
114	Bacteria Interface Pickering Emulsions Stabilized by Self-assembled Bacteria-Chitosan Network. <i>Langmuir</i> , 2012, 28, 5729-5736.	1.6	105
115	Ligand-Directed Acyl Imidazole Chemistry for Labeling of Membrane-Bound Proteins on Live Cells. <i>Journal of the American Chemical Society</i> , 2012, 134, 3961-3964.	6.6	161
116	Traceless Affinity Labeling of Endogenous Proteins for Functional Analysis in Living Cells. <i>Accounts of Chemical Research</i> , 2012, 45, 1460-1469.	7.6	87
117	Design of a multinuclear Zn(II) complex as a new molecular probe for fluorescence imaging of His-tag fused proteins. <i>Chemical Communications</i> , 2012, 48, 594-596.	2.2	28
118	Specific Cell Surface Protein Imaging by Extended Self-Assembling Fluorescent Turn-on Nanoprobes. <i>Journal of the American Chemical Society</i> , 2012, 134, 13386-13395.	6.6	158
119	Titelbild: Meter-Long and Robust Supramolecular Strands Encapsulated in Hydrogel Jackets ( <i>Angew.</i> )	1.6	0
120	Meter-Long and Robust Supramolecular Strands Encapsulated in Hydrogel Jackets. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1553-1557.	7.2	55
121	Phosphopeptide-Dependent Labeling of 14-3-3 Proteins by Fusicoccin-Based Fluorescent Probes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 509-512.	7.2	49
122	Mechanisms of chemical protein 19F-labeling and NMR-based biosensor construction in vitro and in cells using self-assembling ligand-directed tosylate compounds. <i>Chemical Science</i> , 2011, 2, 511-520.	3.7	40
123	Chemical Cell-Surface Receptor Engineering Using Affinity-Guided, Multivalent Organocatalysts. <i>Journal of the American Chemical Society</i> , 2011, 133, 12220-12228.	6.6	102
124	Systematic Study of Protein Detection Mechanism of Self-Assembling 19F NMR/MRI Nanoprobes toward Rational Design and Improved Sensitivity. <i>Journal of the American Chemical Society</i> , 2011, 133, 11725-11731.	6.6	70
125	Montmorillonite-Supramolecular Hydrogel Hybrid for Fluorocolorimetric Sensing of Polyamines. <i>Journal of the American Chemical Society</i> , 2011, 133, 1670-1673.	6.6	159
126	Mechanical Reinforcement of Supramolecular Hydrogel through Incorporation of Multiple Noncovalent Interactions. <i>Chemistry Letters</i> , 2011, 40, 198-200.	0.7	16



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127	Stiff, Multistimuli-Responsive Supramolecular Hydrogels as Unique Molds for 2D/3D Microarchitectures of Live Cells. <i>Chemistry - an Asian Journal</i> , 2011, 6, 2368-2375.	1.7	37
128	Rational Molecular Design of Stimulus-Responsive Supramolecular Hydrogels Based on Dipeptides. <i>Advanced Materials</i> , 2011, 23, 2819-2822.	11.1	183
129	Rigid Luminescent Bis-Zinc(II)-Bis-Cyclen Complexes for the Detection of Phosphate Anions and Non-Covalent Protein Labeling in Aqueous Solution. <i>European Journal of Organic Chemistry</i> , 2011, 2807-2817.	1.2	42
130	Construction of a 19F-lectin biosensor for glycoprotein imaging by using affinity-guided DMAP chemistry. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 4393-4396.	1.0	18
131	Thermoresponsive Fluorescent Sensor Based on Core/Shell Nanocomposite Composed of Gold Nanoparticles and Poly( <i>N</i> -isopropylacrylamide). <i>Chemistry Letters</i> , 2010, 39, 184-185.	0.7	9
132	Binuclear Ni <sup>II</sup> -DpaTyr Complex as a High Affinity Probe for an Oligo-Aspartate Tag Tethered to Proteins. <i>Chemistry - an Asian Journal</i> , 2010, 5, 877-886.	1.7	17
133	Disassembly-Driven Turn-On Fluorescent Nanoprobes for Selective Protein Detection. <i>Journal of the American Chemical Society</i> , 2010, 132, 7291-7293.	6.6	107
134	Fluidic supramolecular nano- and microfibres as molecular rails for regulated movement of nanosubstances. <i>Nature Communications</i> , 2010, 1, 20.	5.8	28
135	Rational Design of FRET-Based Ratiometric Chemosensors for in Vitro and in Cell Fluorescence Analyses of Nucleoside Polyphosphates. <i>Journal of the American Chemical Society</i> , 2010, 132, 13290-13299.	6.6	230
136	Development of Highly Sensitive Fluorescent Probes for Detection of Intracellular Copper(I) in Living Systems. <i>Journal of the American Chemical Society</i> , 2010, 132, 5938-5939.	6.6	203
137	Selective Covalent Labeling of Tag-Fused GPCR Proteins on Live Cell Surface with a Synthetic Probe for Their Functional Analysis. <i>Journal of the American Chemical Society</i> , 2010, 132, 9301-9309.	6.6	93
138	Supramolecular hydrogel capsule showing prostate specific antigen-responsive function for sensing and targeting prostate cancer cells. <i>Chemical Science</i> , 2010, 1, 491.	3.7	75
139	Supramolecular hydrogel-based protein and chemosensor array. <i>Lab on A Chip</i> , 2010, 10, 3325.	3.1	89
140	Selective and direct inhibition of TRPC3 channels underlies biological activities of a pyrazole compound. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5400-5405.	3.3	344
141	Recent Progress in Strategies for the Creation of Protein-Based Fluorescent Biosensors. <i>ChemBioChem</i> , 2009, 10, 2560-2577.	1.3	98
142	Self-assembling nanoprobes that display off/on 19F nuclear magnetic resonance signals for protein detection and imaging. <i>Nature Chemistry</i> , 2009, 1, 557-561.	6.6	204
143	Ligand-directed tosyl chemistry for protein labeling in vivo. <i>Nature Chemical Biology</i> , 2009, 5, 341-343.	3.9	318
144	Real-time fluorescence monitoring of GSK3 <sup>β</sup> -catalyzed phosphorylation by use of a BODIPY-based Zn(II)-Dpa chemosensor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 4175-4177.	1.0	11

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145	FLAG-tag selective covalent protein labeling via a binding-induced acyl-transfer reaction. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 6696-6699.	1.0	18
146	Sequence selective dual-emission detection of (i, i + 1) bis-phosphorylated peptide using diazastilbene-type Zn(ii)-Dpa chemosensor. <i>Chemical Communications</i> , 2009, , 2848.	2.2	35
147	Supramolecular Hydrogel Exhibiting Four Basic Logic Gate Functions To Fine-Tune Substance Release. <i>Journal of the American Chemical Society</i> , 2009, 131, 5580-5585.	6.6	295
148	MCM <sup>+</sup> Enzyme <sup>+</sup> Supramolecular Hydrogel Hybrid as a Fluorescence Sensing Material for Polyanions of Biological Significance. <i>Journal of the American Chemical Society</i> , 2009, 131, 5321-5330.	6.6	168
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