

Injae Shin

List of Publications by Year in descending order

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76
papers

6,542
citations

156536

32
h-index

75989

78
g-index

79
all docs

79
docs citations

79
times ranked

8675
citing authors

#	ARTICLE	IF	CITATIONS
1	A fluorogenic probe targeting two spatially separated enzymes for selective imaging of cancer cells. <i>Chemical Communications</i> , 2022, 58, 4079-4082.	2.2	3
2	A thiol-activated fluorogenic probe for detection of a target protein. <i>Chemical Communications</i> , 2022, , .	2.2	1
3	An O-GlcNAcase responsive fluorogenic probe for biological applications. <i>Sensors and Actuators B: Chemical</i> , 2022, 367, 132093.	4.0	4
4	Efficient Preparation and Bioactivity Evaluation of Glycan-Defined Glycoproteins. <i>ACS Chemical Biology</i> , 2021, 16, 1930-1940.	1.6	6
5	Synthesis of an Hsp70 inhibitor and its assessment of lysosomal membrane permeabilization. <i>STAR Protocols</i> , 2021, 2, 100349.	0.5	2
6	Maintenance of the Neuroprotective Function of the Amino Group Blocked Fluorescence-Agmatine. <i>Neurochemical Research</i> , 2021, 46, 1933-1940.	1.6	6
7	An Autophagy-Disrupting Small Molecule Promotes Cancer Cell Death via Caspase Activation. <i>ChemBioChem</i> , 2021, 22, 3425-3430.	1.3	2
8	Synthetic Na ⁺ /K ⁺ exchangers promote apoptosis by disturbing cellular cation homeostasis. <i>CheM</i> , 2021, 7, 3325-3339.	5.8	16
9	Multivalent glycans for biological and biomedical applications. <i>Chemical Society Reviews</i> , 2021, 50, 10567-10593.	18.7	30
10	A triple-targeting delivery system carrying two anticancer agents. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 8009-8013.	1.5	1
11	Real-Time Spatial and Temporal Analysis of the Translocation of the Apoptosis-Inducing Factor in Cells. <i>ACS Chemical Biology</i> , 2021, 16, 2462-2471.	1.6	6
12	Evaluation of the Interaction between Bax and Hsp70 in Cells by Using a FRET System Consisting of a Fluorescent Amino Acid and YFP as a FRET Pair. <i>ChemBioChem</i> , 2020, 21, 59-63.	1.3	13
13	Synthetic ratiometric fluorescent probes for detection of ions. <i>Chemical Society Reviews</i> , 2020, 49, 143-179.	18.7	619
14	O-GlcNAcylation of Mef2c regulates myoblast differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2020, 529, 692-698.	1.0	3
15	Bacterial Lectin-Targeting Glycoconjugates for Selective Elimination of Pathogenic Bacteria. <i>ACS Macro Letters</i> , 2020, 9, 1429-1432.	2.3	12
16	Cancer cell death using metabolic glycan labelling techniques. <i>Chemical Communications</i> , 2020, 56, 10650-10653.	2.2	10
17	Mitochondrial Cl ⁻ -Selective Fluorescent Probe for Biological Applications. <i>Analytical Chemistry</i> , 2020, 92, 12116-12119.	3.2	13
18	An Inhibitor of the Interaction of Survivin with Smac in Mitochondria Promotes Apoptosis. <i>Chemistry - an Asian Journal</i> , 2019, 14, 4035-4041.	1.7	13

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19	A lysosomal chloride ion-selective fluorescent probe for biological applications. <i>Chemical Science</i> , 2019, 10, 56-66.	3.7	45
20	Analysis of Protein-Protein Interaction in a Single Live Cell by Using a FRET System Based on Genetic Code Expansion Technology. <i>Journal of the American Chemical Society</i> , 2019, 141, 4273-4281.	6.6	37
21	Preparation of a Multiple-Targeting NIR-Based Fluorogenic Probe and Its Application for Selective Cancer Cell Imaging. <i>Organic Letters</i> , 2019, 21, 4628-4631.	2.4	14
22	Determinants of Ion-Transporter Cancer Cell Death. <i>CheM</i> , 2019, 5, 2079-2098.	5.8	73
23	Trifunctional Fluorogenic Probes for Fluorescence Imaging and Isolation of Glycosidases in Cells. <i>Organic Letters</i> , 2019, 21, 4439-4442.	2.4	17
24	Analysis of binding properties of pathogens and toxins using multivalent glycan microarrays. <i>RSC Advances</i> , 2018, 8, 14898-14905.	1.7	10
25	Carbohydrate Microarrays Containing Glycosylated Fluorescent Probes for Assessment of Glycosidase Activities. <i>Organic Letters</i> , 2018, 20, 1240-1243.	2.4	25
26	Subcellular Hsp70 Inhibitors Promote Cancer Cell Death via Different Mechanisms. <i>Cell Chemical Biology</i> , 2018, 25, 1242-1254.e8.	2.5	38
27	A Glycoengineered Enzyme with Multiple Mannose-6-Phosphates Is Internalized into Diseased Cells to Restore Its Activity in Lysosomes. <i>Cell Chemical Biology</i> , 2018, 25, 1255-1267.e8.	2.5	29
28	A synthetic ion transporter that disrupts autophagy and induces apoptosis by perturbing cellular chloride concentrations. <i>Nature Chemistry</i> , 2017, 9, 667-675.	6.6	201
29	Carbohydrate Analogue Microarrays for Identification of Lectin-Selective Ligands. <i>ChemBioChem</i> , 2017, 18, 1077-1082.	1.3	8
30	Anti-leukemia activity of a Hsp70 inhibitor and its hybrid molecules. <i>Scientific Reports</i> , 2017, 7, 3537.	1.6	16
31	The Glycan Microarray Story from Construction to Applications. <i>Accounts of Chemical Research</i> , 2017, 50, 1069-1078.	7.6	60
32	Suppression of Sin3A activity promotes differentiation of pluripotent cells into functional neurons. <i>Scientific Reports</i> , 2017, 7, 44818.	1.6	15
33	Small molecules that allosterically inhibit p21-activated kinase activity by binding to the regulatory p21-binding domain. <i>Experimental and Molecular Medicine</i> , 2016, 48, e229-e229.	3.2	25
34	A potent and selective small molecule inhibitor of sirtuin 1 promotes differentiation of pluripotent P19 cells into functional neurons. <i>Scientific Reports</i> , 2016, 6, 34324.	1.6	25
35	Screening of Pre-miRNA-155 Binding Peptides for Apoptosis Inducing Activity Using Peptide Microarrays. <i>Journal of the American Chemical Society</i> , 2016, 138, 857-867.	6.6	58
36	Highly sensitive and selective bioluminescence based ozone probes and their applications to detect ambient ozone. <i>Chemical Communications</i> , 2016, 52, 1128-1130.	2.2	17

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37	Carbohydrate microarrays for screening functional glycans. <i>Chemical Science</i> , 2016, 7, 2084-2093.	3.7	21
38	A small molecule inhibitor for ATPase activity of Hsp70 and Hsc70 enhances the immune response to protein antigens. <i>Scientific Reports</i> , 2015, 5, 17642.	1.6	11
39	Probing Cell-Surface Carbohydrate Binding Proteins with Dual-Modal Glycan-Conjugated Nanoparticles. <i>Journal of the American Chemical Society</i> , 2015, 137, 5961-5968.	6.6	42
40	A Small Molecule Inhibitor of ATPase Activity of HSP70 Induces Apoptosis and Has Antitumor Activities. <i>Chemistry and Biology</i> , 2015, 22, 391-403.	6.2	87
41	O-linked N-acetylglucosamine glycosylation of p65 aggravated the inflammation in both fibroblast-like synoviocytes stimulated by tumor necrosis factor- α and mice with collagen induced arthritis. <i>Arthritis Research and Therapy</i> , 2015, 17, 248.	1.6	15
42	Synthetic aminopyrrolic receptors have apoptosis inducing activity. <i>Chemical Science</i> , 2015, 6, 7284-7292.	3.7	26
43	Combining Suppression of Stemness with Lineage-Specific Induction Leads to Conversion of Pluripotent Cells into Functional Neurons. <i>Chemistry and Biology</i> , 2015, 22, 1512-1520.	6.2	7
44	Recent progress in the development of near-infrared fluorescent probes for bioimaging applications. <i>Chemical Society Reviews</i> , 2014, 43, 16-29.	18.7	1,557
45	Synthesis of a highly Zn ²⁺ -selective cyanine-based probe and its use for tracing endogenous zinc ions in cells and organisms. <i>Nature Protocols</i> , 2014, 9, 1245-1254.	5.5	83
46	Imidazole-Based Small Molecules that Promote Neurogenesis in Pluripotent Cells. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9271-9274.	7.2	24
47	Synthetic ion transporters can induce apoptosis by facilitating chloride anion transport into cells. <i>Nature Chemistry</i> , 2014, 6, 885-892.	6.6	348
48	Dual-targeting delivery system for selective cancer cell death and imaging. <i>Chemical Science</i> , 2013, 4, 947-956.	3.7	35
49	Carbohydrate microarrays. <i>Chemical Society Reviews</i> , 2013, 42, 4310-4326.	18.7	230
50	Dual-labeled glycoclusters: synthesis and their application in monitoring lectin-mediated endocytosis. <i>Molecular BioSystems</i> , 2013, 9, 978.	2.9	4
51	High-Throughput Profiling of Peptide-RNA Interactions Using Peptide Microarrays. <i>Journal of the American Chemical Society</i> , 2012, 134, 19287-19296.	6.6	38
52	Autophagy-regulating small molecules and their therapeutic applications. <i>Chemical Society Reviews</i> , 2012, 41, 3245.	18.7	92
53	Analysis of Density-Dependent Binding of Glycans by Lectins Using Carbohydrate Microarrays. <i>Chemistry - an Asian Journal</i> , 2012, 7, 2052-2060.	1.7	19
54	Zebrafish as a good vertebrate model for molecular imaging using fluorescent probes. <i>Chemical Society Reviews</i> , 2011, 40, 2120.	18.7	217

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55	Fluorophore-labeled, Peptide-based Glycoclusters: Synthesis, Binding Properties for Lectins, and Detection of Carbohydrate-binding Proteins in Cells. <i>Chemistry - an Asian Journal</i> , 2011, 6, 2107-2113.	1.7	24
56	One-Step, Acid-Mediated Method for Modification of Glass Surfaces with <i>N</i> -Hydroxysuccinimide Esters and Its Application to the Construction of Microarrays for Studies of Biomolecular Interactions. <i>Bioconjugate Chemistry</i> , 2010, 21, 1246-1253.	1.8	21
57	Cardiosulfa, a Small Molecule that Induces Abnormal Heart Development in Zebrafish, and Its Biological Implications. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7809-7812.	7.2	21
58	Construction of Carbohydrate Microarrays by Using One-Step, Direct Immobilizations of Diverse Unmodified Glycans on Solid Surfaces. <i>Bioconjugate Chemistry</i> , 2009, 20, 155-162.	1.8	79
59	An Apoptosis-inducing Small Molecule That Binds to Heat Shock Protein 70. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7466-7469.	7.2	85
60	Carbohydrate microarrays as powerful tools in studies of carbohydrate-mediated biological processes. <i>Chemical Communications</i> , 2008, , 4389.	2.2	83
61	Chemical tools for functional studies of glycans. <i>Chemical Society Reviews</i> , 2008, 37, 1579.	18.7	75
62	Protein Carbohydrate Analysis. <i>Methods in Molecular Biology</i> , 2008, 441, 19-39.	0.4	6
63	Synthetic Small Molecules that Induce Neurogenesis in Skeletal Muscle. <i>Journal of the American Chemical Society</i> , 2007, 129, 9258-9259.	6.6	58
64	Carbohydrate Microarrays for Assaying Galactosyltransferase Activity. <i>Organic Letters</i> , 2007, 9, 1675-1678.	2.4	128
65	Profiling of Glycosidase Activities Using Coumarin-Conjugated Glycoside Cocktails. <i>Organic Letters</i> , 2007, 9, 619-622.	2.4	23
66	Fabrication of carbohydrate chips and their use to probe protein-carbohydrate interactions. <i>Nature Protocols</i> , 2007, 2, 2747-2758.	5.5	56
67	In Vivo Monitoring of Mercury Ions Using a Rhodamine-Based Molecular Probe. <i>Journal of the American Chemical Society</i> , 2006, 128, 14150-14155.	6.6	494
68	Fabrication of Chemical Microarrays by Efficient Immobilization of Hydrazide-Linked Substances on Epoxide-Coated Glass Surfaces. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2881-2884.	7.2	97
69	Carbohydrate Microarrays: An Advanced Technology for Functional Studies of Glycans. <i>Chemistry - A European Journal</i> , 2005, 11, 2894-2901.	1.7	162
70	Facile Preparation of Carbohydrate Microarrays by Site-Specific, Covalent Immobilization of Unmodified Carbohydrates on Hydrazide-Coated Glass Slides. <i>Organic Letters</i> , 2005, 7, 4269-4272.	2.4	157
71	Carbohydrate Chips for Studying High-Throughput Carbohydrate-Protein Interactions. <i>Journal of the American Chemical Society</i> , 2004, 126, 4812-4819.	6.6	221
72	Carbohydrate Arrays for Functional Studies of Carbohydrates. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2004, 7, 565-574.	0.6	33

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73	Solution-Phase Synthesis of Aminoxy Peptoids in the C to N and N to C Directions. <i>Organic Letters</i> , 2002, 4, 869-872.	2.4	26
74	Fabrication of Carbohydrate Chips for Studying Protein-Carbohydrate Interactions. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3180-3182.	7.2	251
75	A Double-Walled Hexagonal Supermolecule Assembled by Guest Binding. <i>Journal of the American Chemical Society</i> , 2001, 123, 1258-1259.	6.6	45
76	Chemoselective ligation of maleimidosugars to peptides/protein for the preparation of neoglycopeptides/neoglycoprotein. <i>Tetrahedron Letters</i> , 2001, 42, 1325-1328.	0.7	52