

# Yoshinori Satomi

## List of Publications by Year in descending order

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56  
papers

6,785  
citations

201674

27  
h-index

149698

56  
g-index

57  
all docs

57  
docs citations

57  
times ranked

11375  
citing authors

#	ARTICLE	IF	CITATIONS
1	A ubiquitin-like system mediates protein lipidation. <i>Nature</i> , 2000, 408, 488-492.	27.8	1,790
2	The Atg12-Atg5 Conjugate Has a Novel E3-like Activity for Protein Lipidation in Autophagy. <i>Journal of Biological Chemistry</i> , 2007, 282, 37298-37302.	3.4	950
3	Involvement of linear polyubiquitylation of NEMO in NF- $\kappa$ B activation. <i>Nature Cell Biology</i> , 2009, 11, 123-132.	10.3	870
4	Monounsaturated Fatty Acid Modification of Wnt Protein: Its Role in Wnt Secretion. <i>Developmental Cell</i> , 2006, 11, 791-801.	7.0	671
5	Transmembrane phosphoprotein Cbp regulates the activities of Src-family tyrosine kinases. <i>Nature</i> , 2000, 404, 999-1003.	27.8	500
6	A sequential program of dual phosphorylation of KaiC as a basis for circadian rhythm in cyanobacteria. <i>EMBO Journal</i> , 2007, 26, 4029-4037.	7.8	223
7	Role of KaiC phosphorylation in the circadian clock system of <i>Synechococcus elongatus</i> PCC 7942. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 13927-13932.	7.1	194
8	Roles of CLOCK Phosphorylation in Suppression of E-Box-Dependent Transcription. <i>Molecular and Cellular Biology</i> , 2009, 29, 3675-3686.	2.3	124
9	Inhibition of GCN2 sensitizes ASNS-low cancer cells to asparaginase by disrupting the amino acid response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E7776-E7785.	7.1	108
10	Peptidomic Identification and Biological Validation of Neuroendocrine Regulatory Peptide-1 and -2. <i>Journal of Biological Chemistry</i> , 2007, 282, 26354-26360.	3.4	85
11	Multiple iso-proteins of FNR in <i>Arabidopsis</i> : evidence for different contributions to chloroplast function and nitrogen assimilation. <i>Plant, Cell and Environment</i> , 2005, 28, 1146-1157.	5.7	78
12	Site-specific carbohydrate profiling of human transferrin by nano-flow liquid chromatography/electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 2983-2988.	1.5	76
13	Automated interpretation of low-energy collision-induced dissociation spectra by SeqMS, a software aid for de novo sequencing by tandem mass spectrometry. <i>Electrophoresis</i> , 2000, 21, 1694-1699.	2.4	72
14	Differentiating $\beta$ - and $\gamma$ -aspartic acids by electrospray ionization and low-energy tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2000, 14, 2092-2102.	1.5	67
15	N-glycosylation at Asn491 in the Asn-Xaa-Cys motif of human transferrin. <i>FEBS Letters</i> , 2004, 576, 51-56.	2.8	65
16	Three Maize Leaf Ferredoxin:NADPH Oxidoreductases Vary in Subchloroplast Location, Expression, and Interaction with Ferredoxin. <i>Plant Physiology</i> , 2005, 139, 1451-1459.	4.8	64
17	The amino-terminal region of Atg3 is essential for association with phosphatidylethanolamine in Atg8 lipidation. <i>FEBS Letters</i> , 2009, 583, 1078-1083.	2.8	53
18	One-step lipid extraction for plasma lipidomics analysis by liquid chromatography mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1063, 93-100.	2.3	53

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19	Intratumor Heterogeneity in Primary Kidney Cancer Revealed by Metabolic Profiling of Multiple Spatially Separated Samples within Tumors. <i>EBioMedicine</i> , 2017, 19, 31-38.	6.1	50
20	Increased 25-hydroxycholesterol concentrations in the lungs of patients with chronic obstructive pulmonary disease. <i>Respirology</i> , 2012, 17, 533-540.	2.3	44
21	Farnesylation of Retinal Transducin Underlies Its Translocation during Light Adaptation. <i>Neuron</i> , 2005, 47, 529-539.	8.1	43
22	Snapshot Peptidomics of the Regulated Secretory Pathway. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 1638-1647.	3.8	43
23	Determination of endogenous peptides in the porcine brain: possible construction of Peptidome, a fact database for endogenous peptides. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 792, 33-48.	2.3	37
24	Automated interpretation of mass spectra of complex mixtures by matching of isotope peak distributions. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 2465-2472.	1.5	32
25	RNA-seq and metabolomic analyses of Akt1-mediated muscle growth reveals regulation of regenerative pathways and changes in the muscle secretome. <i>BMC Genomics</i> , 2017, 18, 181.	2.8	29
26	Interaction of the SH2 Domain of Fyn with a Cytoskeletal Protein, $\beta$ 2-Adducin. <i>Journal of Biological Chemistry</i> , 2001, 276, 42233-42240.	3.4	27
27	Isotopica: a tool for the calculation and viewing of complex isotopic envelopes. <i>Nucleic Acids Research</i> , 2004, 32, W674-W678.	14.5	27
28	Discovery of Novel and Potent Stearoyl Coenzyme A Desaturase 1 (SCD1) Inhibitors as Anticancer Agents. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 3768-3779.	3.0	27
29	$\beta$ -N,N,N-Trimethyllysine-specific ions in matrix-assisted laser desorption/ionization-tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 371-376.	1.5	25
30	Pharmacological Inhibition of Monoacylglycerol O-Acyltransferase 2 Improves Hyperlipidemia, Obesity, and Diabetes by Change in Intestinal Fat Utilization. <i>PLoS ONE</i> , 2016, 11, e0150976.	2.5	22
31	Succinate dehydrogenase B-deficient cancer cells are highly sensitive to bromodomain and extra-terminal inhibitors. <i>Oncotarget</i> , 2017, 8, 28922-28938.	1.8	22
32	Intensive determination of storage condition effects on human plasma metabolomics. <i>Metabolomics</i> , 2016, 12, 1.	3.0	21
33	Accurate mass measurement in nano-electrospray ionization mass spectrometry by alternate switching of high voltage between sample and reference sprayers. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 540-546.	1.5	19
34	A novel and selective melanin-concentrating hormone receptor 1 antagonist ameliorates obesity and hepatic steatosis in diet-induced obese rodent models. <i>European Journal of Pharmacology</i> , 2017, 796, 45-53.	3.5	19
35	Discovery of novel serine palmitoyltransferase inhibitors as cancer therapeutic agents. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 2452-2465.	3.0	19
36	Discovery of Novel Selective Acetyl-CoA Carboxylase (ACC) 1 Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 1098-1117.	6.4	18

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37	Novel rearranged ions observed for. <i>Journal of the American Society for Mass Spectrometry</i> , 2000, 11, 345-351.	2.8	17
38	Top-down analysis of protein isoprenylation by electrospray ionization hybrid quadrupole time-of-flight tandem mass spectrometry; the mouse T $\beta$ protein. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 269-274.	1.5	17
39	Antitumor activity of a novel and orally available inhibitor of serine palmitoyltransferase. <i>Biochemical and Biophysical Research Communications</i> , 2017, 484, 493-500.	2.1	17
40	In vitro and in vivo antitumor activities of T-3764518, a novel and orally available small molecule stearoyl-CoA desaturase 1 inhibitor. <i>European Journal of Pharmacology</i> , 2017, 807, 21-31.	3.5	16
41	Deoxysphingolipids and ether-linked diacylglycerols accumulate in the tissues of aged mice. <i>Cell and Bioscience</i> , 2019, 9, 61.	4.8	16
42	Distribution of neuroendocrine regulatory peptide $\alpha$ 1 and $\alpha$ 2, and proteolytic processing of their precursor VGF protein in the rat. <i>Journal of Neurochemistry</i> , 2010, 114, 1097-1106.	3.9	15
43	Effect of gut microbiota on host whole metabolome. <i>Metabolomics</i> , 2017, 13, 1.	3.0	14
44	Characterization of Postprandial Effects on CSF Metabolomics: A Pilot Study with Parallel Comparison to Plasma. <i>Metabolites</i> , 2020, 10, 185.	2.9	14
45	Efficient gene-targeting in rat embryonic stem cells by CRISPR/Cas and generation of human kynurenine aminotransferase II (KAT II) knock-in rat. <i>Transgenic Research</i> , 2015, 24, 991-1001.	2.4	12
46	Metabolomic/lipidomic $\alpha$ -based analysis of plasma to diagnose hepatocellular ballooning in patients with non $\alpha$ -alcoholic fatty liver disease: A multicenter study. <i>Hepatology Research</i> , 2020, 50, 955-965.	3.4	12
47	Method development for the determination of 24S $\alpha$ -hydroxycholesterol in human plasma without derivatization by high $\alpha$ -performance liquid chromatography with tandem mass spectrometry in atmospheric pressure chemical ionization mode. <i>Journal of Separation Science</i> , 2015, 38, 3516-3524.	2.5	9
48	Effect of Exercise and Calorie Restriction on Tissue Acylcarnitines, Tissue Desaturase Indices, and Fat Accumulation in Diet-Induced Obese Rats. <i>Scientific Reports</i> , 2016, 6, 26445.	3.3	9
49	Placental and intestinal alkaline phosphatases are receptors for <i>Aeromonas sobria</i> hemolysin. <i>International Journal of Medical Microbiology</i> , 2005, 294, 427-435.	3.6	8
50	A Simple and Highly Sensitive Quantitation of Eicosanoids in Biological Samples Using Nano-flow Liquid Chromatography/ Mass Spectrometry. <i>Analytical Sciences</i> , 2018, 34, 177-182.	1.6	8
51	Discovery of 1,8-naphthyridin-2-one derivative as a potent and selective sphingomyelin synthase 2 inhibitor. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115376.	3.0	8
52	MetAP2 inhibition increases energy expenditure through direct action on brown adipocytes. <i>Journal of Biological Chemistry</i> , 2019, 294, 9567-9575.	3.4	7
53	Metabolomics of postprandial plasma alterations: a comprehensive Japanese study. <i>Journal of Biochemistry</i> , 2018, 163, 113-121.	1.7	6
54	A Novel Orally Available Delta-5 Desaturase Inhibitor Prevents Atherosclerotic Lesions Accompanied by Changes in Fatty Acid Composition and Eicosanoid Production in <i>ApoE</i> Knockout Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 371, 290-298.	2.5	6

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55	Development of novel highly sensitive methods to detect endogenous cGAMP in cells and tissue. Journal of Immunological Methods, 2020, 480, 112751.	1.4	6
56	Effects of compound-326, a selective delta-5 desaturase inhibitor, in ApoE knockout mice with two different protocols for atherosclerosis development. Journal of Pharmacy and Pharmaceutical Sciences, 2021, 24, 71-83.	2.1	1