Yoshinori Satomi

List of Publications by Year
in descending order

56	6,785	201674 27	149698 56
papers	citations	h-index	g-index

57	57	57	11375
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Characterization of Postprandial Effects on CSF Metabolomics: A Pilot Study with Parallel Comparison to Plasma. Metabolites, 2020, 10, 185.	2.9	14
3	Metabolomic/lipidomicâ€based analysis of plasma to diagnose hepatocellular ballooning in patients with nonâ€alcoholic fatty liver disease: A multicenter study. Hepatology Research, 2020, 50, 955-965.	3.4	12
4	Discovery of 1,8-naphthyridin-2-one derivative as a potent and selective sphingomyelin synthase 2 inhibitor. Bioorganic and Medicinal Chemistry, 2020, 28, 115376.	3.0	8
5	Development of novel highly sensitive methods to detect endogenous cGAMP in cells and tissue. Journal of Immunological Methods, 2020, 480, 112751.	1.4	6
6	Deoxysphingolipids and ether-linked diacylglycerols accumulate in the tissues of aged mice. Cell and Bioscience, 2019, 9, 61.	4.8	16
7	A Novel Orally Available Delta-5 Desaturase Inhibitor Prevents Atherosclerotic Lesions Accompanied by Changes in Fatty Acid Composition and Eicosanoid Production in ApoE Knockout Mice. Journal of Pharmacology and Experimental Therapeutics, 2019, 371, 290-298.	2.5	6
8	MetAP2 inhibition increases energy expenditure through direct action on brown adipocytes. Journal of Biological Chemistry, 2019, 294, 9567-9575.	3.4	7
9	Discovery of novel serine palmitoyltransferase inhibitors as cancer therapeutic agents. Bioorganic and Medicinal Chemistry, 2018, 26, 2452-2465.	3.0	19
10	Metabolomics of postprandial plasma alterations: a comprehensive Japanese study. Journal of Biochemistry, 2018, 163, 113-121.	1.7	6
11	A Simple and Highly Sensitive Quantitation of Eicosanoids in Biological Samples Using Nano-flow Liquid Chromatography/ Mass Spectrometry. Analytical Sciences, 2018, 34, 177-182.	1.6	8
12	Discovery of Novel Selective Acetyl-CoA Carboxylase (ACC) 1 Inhibitors. Journal of Medicinal Chemistry, 2018, 61, 1098-1117.	6.4	18
13	Inhibition of GCN2 sensitizes ASNS-low cancer cells to asparaginase by disrupting the amino acid response. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E7776-E7785.	7.1	108
14	Antitumor activity of a novel and orally available inhibitor of serine palmitoyltransferase. Biochemical and Biophysical Research Communications, 2017, 484, 493-500.	2.1	17
15	RNA-seq and metabolomic analyses of Akt1-mediated muscle growth reveals regulation of regenerative pathways and changes in the muscle secretome. BMC Genomics, 2017, 18, 181.	2.8	29
16	Intratumor Heterogeneity in Primary Kidney Cancer Revealed by Metabolic Profiling of Multiple Spatially Separated Samples within Tumors. EBioMedicine, 2017, 19, 31-38.	6.1	50
17	Discovery of Novel and Potent Stearoyl Coenzyme A Desaturase 1 (SCD1) Inhibitors as Anticancer Agents. Bioorganic and Medicinal Chemistry, 2017, 25, 3768-3779.	3.0	27
18	In vitro and in vivo antitumor activities of T-3764518, a novel and orally available small molecule stearoyl-CoA desaturase 1 inhibitor. European Journal of Pharmacology, 2017, 807, 21-31.	3.5	16

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19	A novel and selective melanin-concentrating hormone receptor 1 antagonist ameliorates obesity and hepatic steatosis in diet-induced obese rodent models. European Journal of Pharmacology, 2017, 796, 45-53.	3.5	19
20	One-step lipid extraction for plasma lipidomics analysis by liquid chromatography mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1063, 93-100.	2.3	53
21	Effect of gut microbiota on host whole metabolome. Metabolomics, 2017, 13, 1.	3.0	14
22	Succinate dehydrogenase B-deficient cancer cells are highly sensitive to bromodomain and extra-terminal inhibitors. Oncotarget, 2017, 8, 28922-28938.	1.8	22
23	Pharmacological Inhibition of Monoacylglycerol O-Acyltransferase 2 Improves Hyperlipidemia, Obesity, and Diabetes by Change in Intestinal Fat Utilization. PLoS ONE, 2016, 11, e0150976.	2.5	22
24	Effect of Exercise and Calorie Restriction on Tissue Acylcarnitines, Tissue Desaturase Indices, and Fat Accumulation in Diet-Induced Obese Rats. Scientific Reports, 2016, 6, 26445.	3.3	9
25	Intensive determination of storage condition effects on human plasma metabolomics. Metabolomics, 2016, 12, 1.	3.0	21
26	Method development for the determination of 24Sâ€hydroxycholesterol in human plasma without derivatization by highâ€performance liquid chromatography with tandem mass spectrometry in atmospheric pressure chemical ionization mode. Journal of Separation Science, 2015, 38, 3516-3524.	2.5	9
27	Efficient gene-targeting in rat embryonic stem cells by CRISPR/Cas and generation of human kynurenine aminotransferase II (KAT II) knock-in rat. Transgenic Research, 2015, 24, 991-1001.	2.4	12
28	Increased 25â€hydroxycholesterol concentrations in the lungs of patients with chronic obstructive pulmonary disease. Respirology, 2012, 17, 533-540.	2.3	44
29	Distribution of neuroendocrine regulatory peptideâ€1 and â€2, and proteolytic processing of their precursor VGF protein in the rat. Journal of Neurochemistry, 2010, 114, 1097-1106.	3.9	15
30	Snapshot Peptidomics of the Regulated Secretory Pathway. Molecular and Cellular Proteomics, 2009, 8, 1638-1647.	3.8	43
31	Roles of CLOCK Phosphorylation in Suppression of E-Box-Dependent Transcription. Molecular and Cellular Biology, 2009, 29, 3675-3686.	2.3	124
32	The aminoâ€terminal region of Atg3 is essential for association with phosphatidylethanolamine in Atg8 lipidation. FEBS Letters, 2009, 583, 1078-1083.	2.8	53
33	Involvement of linear polyubiquitylation of NEMO in NF-ÎºB activation. Nature Cell Biology, 2009, 11, 123-132.	10.3	870
34	Peptidomic Identification and Biological Validation of Neuroendocrine Regulatory Peptide-1 and -2. Journal of Biological Chemistry, 2007, 282, 26354-26360.	3.4	85
35	The Atg12-Atg5 Conjugate Has a Novel E3-like Activity for Protein Lipidation in Autophagy. Journal of Biological Chemistry, 2007, 282, 37298-37302.	3.4	950
36	A sequential program of dual phosphorylation of KaiC as a basis for circadian rhythm in cyanobacteria. EMBO Journal, 2007, 26, 4029-4037.	7.8	223

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37	Monounsaturated Fatty Acid Modification of Wnt Protein: Its Role in Wnt Secretion. Developmental Cell, 2006, 11, 791-801.	7.0	671
38	Multiple iso-proteins of FNR in Arabidopsis: evidence for different contributions to chloroplast function and nitrogen assimilation. Plant, Cell and Environment, 2005, 28, 1146-1157.	5.7	78
39	Top-down analysis of protein isoprenylation by electrospray ionization hybrid quadrupole time-of-flight tandem mass spectrometry; the mouse T? protein. Rapid Communications in Mass Spectrometry, 2005, 19, 269-274.	1.5	17
40	Accurate mass measurement in nano-electrospray ionization mass spectrometry by alternate switching of high voltage between sample and reference sprayers. Rapid Communications in Mass Spectrometry, 2005, 19, 540-546.	1.5	19
41	Three Maize Leaf Ferredoxin:NADPH Oxidoreductases Vary in Subchloroplast Location, Expression, and Interaction with Ferredoxin. Plant Physiology, 2005, 139, 1451-1459.	4.8	64
42	Placental and intestinal alkaline phosphatases are receptors for Aeromonas sobria hemolysin. International Journal of Medical Microbiology, 2005, 294, 427-435.	3.6	8
43	Farnesylation of Retinal Transducin Underlies Its Translocation during Light Adaptation. Neuron, 2005, 47, 529-539.	8.1	43
44	Role of KaiC phosphorylation in the circadian clock system of Synechococcus elongatus PCC 7942. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13927-13932.	7.1	194
45	Automated interpretation of mass spectra of complex mixtures by matching of isotope peak distributions. Rapid Communications in Mass Spectrometry, 2004, 18, 2465-2472.	1.5	32
46	Site-specific carbohydrate profiling of human transferrin by nano-flow liquid chromatography/electrospray ionization mass spectrometry. Rapid Communications in Mass Spectrometry, 2004, 18, 2983-2988.	1.5	76
47	N-glycosylation at Asn491 in the Asn-Xaa-Cys motif of human transferrin. FEBS Letters, 2004, 576, 51-56.	2.8	65
48	Isotopica: a tool for the calculation and viewing of complex isotopic envelopes. Nucleic Acids Research, 2004, 32, W674-W678.	14.5	27
49	?-N,N,N-Trimethyllysine-specific ions in matrix-assisted laser desorption/ionization-tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2003, 17, 371-376.	1.5	25
50	Determination of endogenous peptides in the porcine brain: possible construction of Peptidome, a fact database for endogenous peptides. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 792, 33-48.	2.3	37
51	Interaction of the SH2 Domain of Fyn with a Cytoskeletal Protein, Î²-Adducin. Journal of Biological Chemistry, 2001, 276, 42233-42240.	3.4	27
52	Automated interpretation of low-energy collision-induced dissociation spectra by SeqMS, a software aid forde novo sequencing by tandem mass spectrometry. Electrophoresis, 2000, 21, 1694-1699.	2.4	72
53	Differentiating ?- and ?-aspartic acids by electrospray ionization and low-energy tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2000, 14, 2092-2102.	1.5	67
54	Novel rearranged ions observed for. Journal of the American Society for Mass Spectrometry, 2000, 11, 345-351.	2.8	17

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55	Transmembrane phosphoprotein Cbp regulates the activities of Src-family tyrosine kinases. Nature, 2000, 404, 999-1003.	27.8	500
56	A ubiquitin-like system mediates protein lipidation. Nature, 2000, 408, 488-492.	27.8	1,790