

# Takeshi Sunami

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2179077/publications.pdf>

Version: 2024-02-01

30  
papers

1,415  
citations

394421  
19  
h-index

552781  
26  
g-index

31  
all docs

31  
docs citations

31  
times ranked

933  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exchange of Proteins in Liposomes through Streptolysin O Pores. ChemBioChem, 2021, 22, 1966-1973.	2.6	4
2	Flow Cytometric Analysis To Evaluate Morphological Changes in Giant Liposomes As Observed in Electrofusion Experiments. Langmuir, 2018, 34, 88-96.	3.5	6
3	<i>In Vitro</i> Evolution of Unmodified 16S rRNA for Simple Ribosome Reconstitution. ACS Synthetic Biology, 2018, 7, 576-583.	3.8	21
4	Production of giant unilamellar vesicles by the water-in-oil emulsion-transfer method without high internal concentrations of sugars. Journal of Bioscience and Bioengineering, 2018, 126, 540-545.	2.2	19
5	Effect of Liposome Size on Internal RNA Replication Coupled with Replicase Translation. ChemBioChem, 2016, 17, 1282-1289.	2.6	12
6	Sustainable proliferation of liposomes compatible with inner RNA replication. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 590-595.	7.1	46
7	The Evolutionary Enhancement of Genotype-Phenotype Linkages in the Presence of Multiple Copies of Genetic Material. ChemBioChem, 2014, 15, 2281-2288.	2.6	2
8	Identification of giant unilamellar vesicles with permeability to small charged molecules. RSC Advances, 2014, 4, 35224.	3.6	23
9	Liposome display for in vitro selection and evolution of membrane proteins. Nature Protocols, 2014, 9, 1578-1591.	12.0	123
10	In vitro evolution of $\phi$ -hemolysin using a liposome display. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16796-16801.	7.1	123
11	Darwinian evolution in a translation-coupled RNA replication system within a cell-like compartment. Nature Communications, 2013, 4, 2494.	12.8	147
12	3P214 Investigating bactericidal mechanism of antimicrobial peptides(13B. Biological & Artificial) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	0.1	0
13	Construction of a Gene Screening System Using Giant Unilamellar Liposomes and a Fluorescence-Activated Cell Sorter. Analytical Chemistry, 2012, 84, 5017-5024.	6.5	26
14	Constructive Approaches for the Origin of Life. Cellular Origin and Life in Extreme Habitats, 2012, , 289-303.	0.3	1
15	Cell-Free Protein Synthesis inside Giant Unilamellar Vesicles Analyzed by Flow Cytometry. Langmuir, 2012, 28, 8426-8432.	3.5	124
16	Directed Evolution of Proteins through In Vitro Protein Synthesis in Liposomes. Journal of Nucleic Acids, 2012, 2012, 1-11.	1.2	18
17	Programmed Vesicle Fusion Triggers Gene Expression. Langmuir, 2011, 27, 13082-13090.	3.5	62
18	Evolvability and Self-Replication of Genetic Information in Liposomes. , 2011, , 275-287.		2

#	ARTICLE	IF	CITATIONS
19	Constructing Partial Models of Cells. Cold Spring Harbor Perspectives in Biology, 2010, 2, a004945-a004945.	5.5	40
20	Synthesis of Functional Proteins Within Liposomes. Methods in Molecular Biology, 2010, 607, 243-256.	0.9	30
21	Cellular Compartment Model for Exploring the Effect of the Lipidic Membrane on the Kinetics of Encapsulated Biochemical Reactions. Langmuir, 2010, 26, 8544-8551.	3.5	60
22	Detection of Association and Fusion of Giant Vesicles Using a Fluorescence-Activated Cell Sorter. Langmuir, 2010, 26, 15098-15103.	3.5	54
23	Detection and Analysis of Protein Synthesis and RNA Replication in Giant Liposomes. Methods in Enzymology, 2009, 464, 19-30.	1.0	11
24	Population Analysis of Structural Properties of Giant Liposomes by Flow Cytometry. Langmuir, 2009, 25, 10439-10443.	3.5	89
25	Replication of Genetic Information with Self-Encoded Replicase in Liposomes. ChemBioChem, 2008, 9, 2403-2410.	2.6	159
26	Importance of Translation-Replication Balance for Efficient Replication by the Self-Encoded Replicase. ChemBioChem, 2008, 9, 3023-3028.	2.6	24
27	Quantitative Study of the Structure of Multilamellar Giant Liposomes As a Container of Protein Synthesis Reaction. Langmuir, 2008, 24, 13540-13548.	3.5	90
28	2P270 Inner aqueous volume distributions of cell-size liposomes in consideration of the inner-compartmentalization(Native and artificial biomembranes-structure and properties,Poster) Tj ETQq0 0 0 rgBTd0 Overlock 10 Tf 50 3	0.1	0
29	3P271 RNA-protein self-replicating system in liposome(The genesis of life, and biological) Tj ETQq1 1 0.784314 rgBTd0 Overlock 10 Tf 50 3	0.1	0
30	Femtoliter compartment in liposomes for in vitro selection of proteins. Analytical Biochemistry, 2006, 357, 128-136.	2.4	99