

Chikara Sato

List of Publications by Year in descending order

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166
papers

4,220
citations

109321

35
h-index

123424

61
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172
all docs

172
docs citations

172
times ranked

5013
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective and direct inhibition of TRPC3 channels underlies biological activities of a pyrazole compound. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 5400-5405.	7.1	344
2	The voltage-sensitive sodium channel is a bell-shaped molecule with several cavities. Nature, 2001, 409, 1047-1051.	27.8	255
3	Molecular Identification of a Eukaryotic, Stretch-Activated Nonselective Cation Channel. Science, 1999, 285, 882-886.	12.6	205
4	Keap1 is a forked-stem dimer structure with two large spheres enclosing the intervening, double glycine repeat, and C-terminal domains. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2842-2847.	7.1	199
5	Atmospheric scanning electron microscope observes cells and tissues in open medium through silicon nitride film. Journal of Structural Biology, 2010, 169, 438-449.	2.8	180
6	TRIC channels are essential for Ca ²⁺ handling in intracellular stores. Nature, 2007, 448, 78-82.	27.8	149
7	Low Cholesterol Triggers Membrane Microdomain-dependent CD44 Shedding and Suppresses Tumor Cell Migration. Journal of Biological Chemistry, 2011, 286, 1999-2007.	3.4	144
8	Topology representing network enables highly accurate classification of protein images taken by cryo electron-microscope without masking. Journal of Structural Biology, 2003, 143, 185-200.	2.8	138
9	Crystal Structure of the CRISPR-Cas RNA Silencing Cmr Complex Bound to a Target Analog. Molecular Cell, 2015, 58, 418-430.	9.7	121
10	Inositol 1,4,5-trisphosphate Receptor Contains Multiple Cavities and L-shaped Ligand-binding Domains. Journal of Molecular Biology, 2004, 336, 155-164.	4.2	94
11	Three-dimensional structure of the $\hat{1}^3$ -secretase complex. Biochemical and Biophysical Research Communications, 2006, 343, 525-534.	2.1	92
12	The TRPC3 Channel Has a Large Internal Chamber Surrounded by Signal Sensing Antennas. Journal of Molecular Biology, 2007, 367, 373-383.	4.2	82
13	X-ray and Cryo-EM structures reveal mutual conformational changes of Kinesin and GTP- \hat{a} state microtubules upon binding. EMBO Journal, 2015, 34, 1270-1286.	7.8	78
14	Tetrameric Orai1 Is a Teardrop-shaped Molecule with a Long, Tapered Cytoplasmic Domain. Journal of Biological Chemistry, 2009, 284, 13676-13685.	3.4	77
15	The Atmospheric Scanning Electron Microscope with open sample space observes dynamic phenomena in liquid or gas. Ultramicroscopy, 2011, 111, 1650-1658.	1.9	77
16	Conformational changes in tubulin in GMPCPP and GDP-taxol microtubules observed by cryoelectron microscopy. Journal of Cell Biology, 2012, 198, 315-322.	5.2	71
17	Molecular cloning and sequence analysis of the chick melanocortin 1-receptor gene. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1996, 1306, 122-126.	2.4	67
18	The Motor Protein Prestin Is a Bullet-shaped Molecule with Inner Cavities. Journal of Biological Chemistry, 2008, 283, 1137-1145.	3.4	66

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19	Imaging of bacterial multicellular behaviour in biofilms in liquid by atmospheric scanning electron microscopy. <i>Scientific Reports</i> , 2016, 6, 25889.	3.3	66
20	PCR Method of Detecting Pork in Foods for Verifying Allergen Labeling and for Identifying Hidden Pork Ingredients in Processed Foods. <i>Bioscience, Biotechnology and Biochemistry</i> , 2007, 71, 1663-1667.	1.3	62
21	Three-dimensional Reconstruction Using Transmission Electron Microscopy Reveals a Swollen, Bell-shaped Structure of Transient Receptor Potential Melastatin Type 2 Cation Channel. <i>Journal of Biological Chemistry</i> , 2007, 282, 36961-36970.	3.4	59
22	Immuno EM-TEM correlative microscopy in solution by atmospheric scanning electron microscopy (ASEM). <i>Journal of Structural Biology</i> , 2012, 180, 259-270.	2.8	59
23	A fully automatic 3D reconstruction method using simulated annealing enables accurate posterioric angular assignment of protein projections. <i>Journal of Structural Biology</i> , 2006, 156, 371-386.	2.8	52
24	RECK Forms Cowbell-shaped Dimers and Inhibits Matrix Metalloproteinase-catalyzed Cleavage of Fibronectin. <i>Journal of Biological Chemistry</i> , 2009, 284, 3461-3469.	3.4	52
25	The Composition and Structure of Biofilms Developed by <i>Propionibacterium acnes</i> Isolated from Cardiac Pacemaker Devices. <i>Frontiers in Microbiology</i> , 2018, 9, 182.	3.5	51
26	An Automatic Particle Pickup Method Using a Neural Network Applicable to Low-Contrast Electron Micrographs. <i>Journal of Structural Biology</i> , 2001, 136, 227-238.	2.8	50
27	Automatic particle pickup method using a neural network has high accuracy by applying an initial weight derived from eigenimages: a new reference free method for single-particle analysis. <i>Journal of Structural Biology</i> , 2004, 145, 63-75.	2.8	49
28	Visualization of the trimeric P2X2 receptor with a crown-capped extracellular domain. <i>Biochemical and Biophysical Research Communications</i> , 2005, 337, 998-1005.	2.1	45
29	Primary structure of squid sodium channel deduced from the complementary DNA sequence. <i>Biochemical and Biophysical Research Communications</i> , 1992, 186, 61-68.	2.1	44
30	Reprint of: Atmospheric scanning electron microscope observes cells and tissues in open medium through silicon nitride film. <i>Journal of Structural Biology</i> , 2010, 172, 191-202.	2.8	44
31	The Sodium Channel Has Four Domains Surrounding a Central Pore. <i>Journal of Structural Biology</i> , 1998, 121, 314-325.	2.8	43
32	Mice lacking the intracellular cation channel TRIC-B have compromised collagen production and impaired bone mineralization. <i>Science Signaling</i> , 2016, 9, ra49.	3.6	42
33	Three-dimensional Reconstruction of Human Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel Revealed an Ellipsoidal Structure with Orifices beneath the Putative Transmembrane Domain. <i>Journal of Biological Chemistry</i> , 2008, 283, 30300-30310.	3.4	41
34	The non-selective cation-permeable channel TRPC3 is a tetrahedron with a cap on the large cytoplasmic end. <i>Biochemical and Biophysical Research Communications</i> , 2005, 333, 768-777.	2.1	40
35	Electron microscopy of primary cell cultures in solution and correlative optical microscopy using ASEM. <i>Ultramicroscopy</i> , 2014, 143, 52-66.	1.9	38
36	Lipid environment of membrane proteins in cryo-EM based structural analysis. <i>Biophysical Reviews</i> , 2018, 10, 307-316.	3.2	37

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37	Rapid imaging of mycoplasma in solution using Atmospheric Scanning Electron Microscopy (ASEM). <i>Biochemical and Biophysical Research Communications</i> , 2012, 417, 1213-1218.	2.1	36
38	Role of Arginine Residues on the S4 Segment of the <i>Bacillus halodurans</i> Na ⁺ Channel in Voltage-sensing. <i>Journal of Membrane Biology</i> , 2004, 201, 9-24.	2.1	35
39	Auto-accumulation method using simulated annealing enables fully automatic particle pickup completely free from a matching template or learning data. <i>Journal of Structural Biology</i> , 2004, 146, 344-358.	2.8	35
40	Establishment of a mouse melanocyte clone which synthesizes both eumelanin and pheomelanin.. <i>Cell Structure and Function</i> , 1985, 10, 421-425.	1.1	35
41	Atmospheric scanning electron microscope system with an open sample chamber: Configuration and applications. <i>Ultramicroscopy</i> , 2014, 147, 86-97.	1.9	34
42	DNA Origami Scaffolds as Templates for Functional Tetrameric Kir3 K ⁺ Channels. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2586-2591.	13.8	33
43	Observation of tissues in open aqueous solution by atmospheric scanning electron microscopy: Applicability to intraoperative cancer diagnosis. <i>International Journal of Oncology</i> , 2015, 46, 1872-1882.	3.3	29
44	The C-terminal coiled-coil of the bacterial voltage-gated sodium channel NaChBac is not essential for tetramer formation, but stabilizes subunit-to-subunit interactions. <i>Progress in Biophysics and Molecular Biology</i> , 2010, 103, 111-121.	2.9	26
45	Immuno-Electron Microscopy of Primary Cell Cultures from Genetically Modified Animals in Liquid by Atmospheric Scanning Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2014, 20, 469-483.	0.4	25
46	Direct Observation of Protein Microcrystals in Crystallization Buffer by Atmospheric Scanning Electron Microscopy. <i>International Journal of Molecular Sciences</i> , 2012, 13, 10553-10567.	4.1	24
47	Cutting Edge: Class II β -like Structural Features and Strong Receptor Binding of the Nonclassical HLA-G2 Isoform Homodimer. <i>Journal of Immunology</i> , 2017, 198, 3399-3403.	0.8	23
48	Assembly of protein complexes restricts diffusion of Wnt3a proteins. <i>Communications Biology</i> , 2018, 1, 165.	4.4	23
49	Redundant and Distinct Roles of Secreted Protein Eap and Cell Wall-Anchored Protein SasG in Biofilm Formation and Pathogenicity of <i>Staphylococcus aureus</i> . <i>Infection and Immunity</i> , 2019, 87, .	2.2	22
50	Three-dimensional Structure of the Signal Peptide Peptidase. <i>Journal of Biological Chemistry</i> , 2011, 286, 26188-26197.	3.4	21
51	Calcium phosphate mineralization in bone tissues directly observed in aqueous liquid by atmospheric SEM (ASEM) without staining: microfluidics crystallization chamber and immuno-EM. <i>Scientific Reports</i> , 2019, 9, 7352.	3.3	21
52	Membrane cholesterol modulates the hyaluronan-binding ability of CD44 in T lymphocytes and controls rolling under shear flow. <i>Journal of Cell Science</i> , 2013, 126, 3284-94.	2.0	20
53	Crystal Structure of the Csm3 β -Csm4 Subcomplex in the Type III-A CRISPR β -Cas Interference Complex. <i>Journal of Molecular Biology</i> , 2015, 427, 259-273.	4.2	19
54	Reconstruction of the P2X2 Receptor Reveals a Vase-Shaped Structure with Lateral Tunnels above the Membrane. <i>Structure</i> , 2009, 17, 266-275.	3.3	18

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55	Stimulus-Related Activity during Conditional Associations in Monkey Perirhinal Cortex Neurons Depends on Upcoming Reward Outcome. <i>Journal of Neuroscience</i> , 2012, 32, 17407-17419.	3.6	18
56	Ultrastructural Analysis of Nanogold-Labeled Cell Surface Microvilli in Liquid by Atmospheric Scanning Electron Microscopy and Their Relevance in Cell Adhesion. <i>International Journal of Molecular Sciences</i> , 2013, 14, 20809-20819.	4.1	18
57	Mucin-type core 1 glycans regulate the localization of neuromuscular junctions and establishment of muscle cell architecture in <i>Drosophila</i> . <i>Developmental Biology</i> , 2016, 412, 114-127.	2.0	18
58	Mitsugumin 23 Forms a Massive Bowl-Shaped Assembly and Cation-Conducting Channel. <i>Biochemistry</i> , 2011, 50, 2623-2632.	2.5	17
59	Proposed tertiary structure of the sodium channel. <i>Biochemical and Biophysical Research Communications</i> , 1992, 186, 1158-1167.	2.1	16
60	Substrate Regulation of Calcium Binding in Ca ²⁺ -ATPase Molecules of the Sarcoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2002, 277, 24180-24190.	3.4	16
61	Secretory glands and microvascular systems imaged in aqueous solution by atmospheric scanning electron microscopy (ASEM). <i>Microscopy Research and Technique</i> , 2016, 79, 1179-1187.	2.2	15
62	Colony spreading of the gliding bacterium <i>Flavobacterium johnsoniae</i> in the absence of the motility adhesin SprB. <i>Scientific Reports</i> , 2021, 11, 967.	3.3	15
63	yam8+, a <i>Schizosaccharomyces pombe</i> Gene, Is a Potential Homologue of the <i>Saccharomyces cerevisiae</i> MID1 Gene Encoding a Stretch- Activated Ca ²⁺ -Permeable Channel. <i>Biochemical and Biophysical Research Communications</i> , 2000, 269, 265-269.	2.1	14
64	Short stop mediates axonal compartmentalization of mucin-type core 1 glycans. <i>Scientific Reports</i> , 2017, 7, 41455.	3.3	14
65	Mutation in ESBL Plasmid from <i>Escherichia coli</i> O104:H4 Leads Autoagglutination and Enhanced Plasmid Dissemination. <i>Frontiers in Microbiology</i> , 2018, 9, 130.	3.5	14
66	Sodium channel functioning based on an octagonal structure model. <i>Journal of Membrane Biology</i> , 1995, 147, 45-70.	2.1	13
67	Atmospheric Electron Microscope: Limits of Observable Depth. <i>Microscopy and Microanalysis</i> , 2009, 15, 924-925.	0.4	12
68	Verification of 5-Aminolevulinic Radiodynamic Therapy Using a Murine Melanoma Brain Metastasis Model. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5155.	4.1	12
69	Positively charged nanogold label allows the observation of fine cell filopodia and flagella in solution by atmospheric scanning electron microscopy. <i>Microscopy Research and Technique</i> , 2014, 77, 153-160.	2.2	11
70	Efficient culturing of human melanocytes from suction blisters.. <i>Tohoku Journal of Experimental Medicine</i> , 1985, 147, 219-220.	1.2	10
71	Conformational variation of the translocon enhancing chaperone SecDF. <i>Journal of Structural and Functional Genomics</i> , 2014, 15, 107-115.	1.2	10
72	Primary cultured neuronal networks and type 2 diabetes model mouse fatty liver tissues in aqueous liquid observed by atmospheric SEM (ASEM): Staining preferences of metal solutions. <i>Micron</i> , 2019, 118, 9-21.	2.2	10

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73	Molecular Cloning and Characterization of a Putative Neural Calcium Channel $\hat{1}\pm 1$ -Subunit from Squid Optic Lobe. <i>Biochemical and Biophysical Research Communications</i> , 1997, 230, 147-154.	2.1	9
74	Magnetic Resonance Imaging Grading System for Preoperative Diagnosis of Leiomyomas and Uterine Smooth Muscle Tumors. <i>Journal of Minimally Invasive Gynecology</i> , 2018, 25, 507-513.	0.6	9
75	Microbe Observation with gold labeling using the Atmospheric Scanning Electron Microscope. <i>Microscopy and Microanalysis</i> , 2012, 18, 266-267.	0.4	8
76	High-precision thickness control of ice layer on CVD grown bilayer graphene for cryo-TEM. <i>Carbon</i> , 2020, 160, 107-112.	10.3	8
77	Biofilm formation of <i>Staphylococcus epidermidis</i> imaged using atmospheric scanning electron microscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 7549-7558.	3.7	8
78	Single Particle Conformations of Human Serum Albumin by Electron Microscopy. <i>Journal of Electron Microscopy</i> , 2007, 56, 103-110.	0.9	7
79	Atmospheric Scanning Electron Microscope for Correlative Microscopy. <i>Methods in Cell Biology</i> , 2012, 111, 307-324.	1.1	7
80	Pyrene Excimer-Based Fluorescent Labeling of Cysteines Brought into Close Proximity by Protein Dynamics: ASEM-Induced Thiol-Ene Click Reaction for High Spatial Resolution CLEM. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7550.	4.1	7
81	A Statistically Harmonized Alignment-Classification in Image Space Enables Accurate and Robust Alignment of Noisy Images in Single Particle Analysis. <i>Journal of Electron Microscopy</i> , 2007, 56, 83-92.	0.9	5
82	Subunit Dissociation of Trpc3 Ion Channel Under High-Salt Condition. <i>Journal of Electron Microscopy</i> , 2007, 56, 111-117.	0.9	5
83	Expression, purification, crystallization and preliminary crystallographic analysis of hepatitis B virus core protein dimerized via a peptide linker containing an EGFP insertion. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 942-945.	0.7	5
84	Imaging of immunogold labeling in cells and tissues by helium ion microscopy. <i>International Journal of Molecular Medicine</i> , 2018, 42, 309-321.	4.0	5
85	Biofilm Spreading by the Adhesin-Dependent Gliding Motility of <i>Flavobacterium johnsoniae</i> . 1. Internal Structure of the Biofilm. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1894.	4.1	5
86	Substrate Regulation of Calcium Binding in Ca^{2+} -ATPase Molecules of the Sarcoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2002, 277, 24191-24196.	3.4	4
87	Structure of six-transmembrane cation channels revealed by single-particle analysis from electron microscopic images. <i>Journal of Synchrotron Radiation</i> , 2008, 15, 211-214.	2.4	4
88	Multi-reference-based multiple alignment statistics enables accurate protein-particle pickup from noisy images. <i>Microscopy (Oxford, England)</i> , 2013, 62, 303-315.	1.5	4
89	Network of Palladium-Based Nanorings Synthesized by Liquid-Phase Reduction Using DMSO-H ₂ O: In Situ Monitoring of Structure Formation and Drying Deformation by ASEM. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3271.	4.1	4
90	Ca^{2+} -ATPase Molecules as a Calcium-Sensitive Membrane-Endoskeleton of Sarcoplasmic Reticulum. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2624.	4.1	4

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91	Neuronal Specificity of Subtype SQSC1 of Squid Putative Sodium Channel. <i>Biochemical and Biophysical Research Communications</i> , 1995, 206, 807-813.	2.1	3
92	Expression, purification, crystallization and preliminary X-ray crystallographic studies of hepatitis B virus core fusion protein corresponding to octahedral particles. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 165-169.	0.7	3
93	New simulated annealing approach considering helix bending applied to determine the 8.8Å... structure of 15-prot filament microtubules. <i>Journal of Structural Biology</i> , 2014, 188, 165-176.	2.8	3
94	Biofilm Spreading by the Adhesin-Dependent Gliding Motility of <i>Flavobacterium johnsoniae</i> : 2. Role of Filamentous Extracellular Network and Cell-to-Cell Connections at the Biofilm Surface. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6911.	4.1	3
95	Development of load distributed crawler for wall surface vehicles.. <i>Journal of the Robotics Society of Japan</i> , 1987, 5, 335-338.	0.1	3
96	Development and Operational Experiences of an Automated Remote Inspection System for Interior of Primary Containment Vessel of a BWR. <i>Nuclear Technology</i> , 1983, 62, 102-109.	1.2	2
97	A Sodium Channel Model. <i>Annals of the New York Academy of Sciences</i> , 1993, 707, 338-341.	3.8	2
98	New Scanning Electron Microscope Capable of Observing Cells in Solution. <i>Microscopy and Microanalysis</i> , 2009, 15, 938-939.	0.4	2
99	Single particle reconstruction of membrane proteins: A tool for understanding the 3D structure of disease-related macromolecules. <i>Progress in Biophysics and Molecular Biology</i> , 2010, 103, 122-130.	2.9	2
100	3D structure determination of protein using TEM single particle analysis. <i>Microscopy (Oxford)</i> , 2010, 11, 1-5.	1.5	2
101	Small effect of upcoming reward outcomes on visual cue-related neuronal activity in macaque area TE during conditional associations. <i>Neuroscience Research</i> , 2014, 88, 28-38.	1.9	2
102	Correlative light-electron microscopy in liquid using an inverted SEM (ASEM). <i>Methods in Cell Biology</i> , 2017, 140, 187-213.	1.1	2
103	Liquid-phase ASEM imaging of cellular and structural details in cartilage and bone formed during endochondral ossification: Keap1-deficient osteomalacia. <i>Scientific Reports</i> , 2021, 11, 5722.	3.3	2
104	Development of a Production Method for Palladium Micrometer-Sized Particles Using DMSO Solvent Containing CuCl ₂ . <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2018, 82, 461-466.	0.4	2
105	High-dose-rate interstitial brachytherapy with hypoxic radiosensitizer KORTUC II for unresectable pelvic sidewall recurrence of uterine cervical cancer: a case report. <i>Journal of Contemporary Brachytherapy</i> , 2020, 12, 606-611.	0.9	2
106	Differentiating <i>Trypanosoma cruzi</i> in a Host Mammalian Cell Imaged in Aqueous Liquid by Atmospheric Scanning Electron Microscopy. <i>Microbiology Spectrum</i> , 2022, 10, e0141321.	3.0	2
107	Three-Dimensional Reconstruction of Single Particle Electron Microscopy: The Voltage Sensitive Sodium Channel Structure. <i>Science Progress</i> , 2001, 84, 291-309.	1.9	1
108	The Ca ²⁺ -ATPase of the Scallop Sarcoplasmic Reticulum Is of a Cold-adapted Type. <i>Journal of Membrane Biology</i> , 2003, 196, 33-39.	2.1	1

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109	ATP Regulation of Calcium Binding in Ca ²⁺ -ATPase Molecules of the Sarcoplasmic Reticulum. <i>Annals of the New York Academy of Sciences</i> , 2003, 986, 341-343.	3.8	1
110	Susceptibility Test of Two Ca ²⁺ -ATPase Conformers to Denaturants and Polyols to Outline Their Structural Difference. <i>Journal of Membrane Biology</i> , 2013, 246, 141-149.	2.1	1
111	Novel convergence-oriented approach for evaluation and optimization of workflow in single-particle two-dimensional averaging of electron microscope images. <i>Microscopy (Oxford, England)</i> , 2013, 62, 491-513.	1.5	1
112	3P006 Three dimensional reconstruction of HLA-G2/G6 isoform(O1A. Protein: Structure,Poster). <i>Seibutsu Butsuri</i> , 2013, 53, S212.	0.1	1
113	Development of an in-solution observation method using atmospheric scanning electron microscopy (ASEM). <i>Synthesiology</i> , 2015, 8, 162-173.	0.2	1
114	Correlation of Molecular Dynamics Analysis and Calcium Signaling in Mutant Ryanodine Receptors. <i>Biophysical Journal</i> , 2016, 110, 263a.	0.5	1
115	In-Situ Observation for Formations of Gold Micrometer-Sized Particles in Liquid Phase Using Atmospheric Scanning Electron Microscopy (ASEM). <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2017, 81, 192-195.	0.4	1
116	In-Situ Observation for Formations of Gold Micrometer-Sized Particles in Liquid Phase Using Atmospheric Scanning Electron Microscopy (ASEM). <i>Materials Transactions</i> , 2018, 59, 146-149.	1.2	1
117	Bayesian inference for three-dimensional helical reconstruction using a soft-body model. <i>Physical Review E</i> , 2019, 100, 042411.	2.1	1
118	Thermal management function of graphene under cryogenic temperature. <i>Carbon</i> , 2021, 183, 970-976.	10.3	1
119	Elongation and Contraction of Scallop Sarcoplasmic Reticulum (SR): ATP Stabilizes Ca ²⁺ -ATPase Crystalline Array Elongation of SR Vesicles. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3311.	4.1	1
120	117 Molecular cloning of a putative calcium channel from squid (<i>Loligo bleekeri</i>) optic lobe. <i>Neuroscience Research</i> , 1996, 25, S22.	1.9	0
121	1P009 Single particle analysis of purinergic P2X2 receptor(1. Protein structure and dynamics (I),Poster) Tj ETQq1 1 0,784314 rgBT / O	0.1	0
122	1P008 The structures of ion channels with six transmembrane segments revealed by single particle analysis of EM images(1. Protein structure and dynamics (I),Poster Session,Abstract,Meeting Program) Tj ETQq0 0 0 rgBT / Overlock 10 T	0.1	0
123	Reply to Thinnes: Is There Competition in Trafficking of VDAC-cored VRAC and SOC in NE Differentiation of Cells?. <i>Journal of Biological Chemistry</i> , 2009, 284, le4.	3.4	0
124	Three Dimensional Reconstruction of CFTR Chloride Channel Using Single Particle Analysis. <i>Biophysical Journal</i> , 2009, 96, 468a.	0.5	0
125	Roles of serotonin receptors in the dendrite formation of the rat cerebral cortical neurons. <i>Neuroscience Research</i> , 2009, 65, S159-S160.	1.9	0
126	çµæ™ª, ç”ã,ãªã,é»áé¼¼@é¼ç»áfãã,%ã@3æ¬¼ã...fæš<éæ±ª@šil¼šãç²²àèšæžæ³•. <i>Kagaku To Seibutsu</i> , 2009, 47, 701-717.		

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127	3P-005 3D structure of tetrameric Orai1 channel; a teardrop-shaped structure with a long, tapered cytoplasmic domain(Protein:Structure,The 47th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2009, 49, S151.	0.1	0
128	2TP5-01 Structure analysis of membrane protein complexes using TEM and SEM(The 47th Annual) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.1	0
129	Mitsugumin23, a Protein Associated with Intracellular Calcium Stores, Behaves as an Ion-Channel that can Conduct Calcium. Biophysical Journal, 2011, 100, 250a.	0.5	0
130	Immuno-EM of fine growth cone and synapse structures in aqueous solution using the atmospheric scanning electron microscope (ASEM). Neuroscience Research, 2011, 71, e61.	1.9	0
131	3A0936 The C-terminal coiled-coil stabilizes subunit-to-subunit interactions of the bacterial voltage-gated sodium channel, NaChBac(3A Biol & Artifi memb 3: Excitation & Channels,The 49th Annual) Tj ETQq10110.784304 rgBT 0	1.0	0
132	1G1524 P13 Protein dynamism revealed by single particle reconstruction and protein localization observed by atmospheric SEM (ASEM)(Protein: Structure 1,The 49th Annual Meeting of the Biophysical) Tj ETQq0 0 0 rgBT /Overlock 10	0.1	0
133	1G1536 Atmospheric scanning electron microscopy (ASEM) directly observes protein microcrystals in liquid(Protein: Structure 1,The 49th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2011, 51, S47.	0.1	0
134	Immuno-EM in Buffer Using the Atmospheric Scanning Electron Microscope (ASEM). Microscopy and Microanalysis, 2011, 17, 230-231.	0.4	0
135	Rapid Observation with an Atmospheric Scanning Electron Microscope. Microscopy and Microanalysis, 2011, 17, 510-511.	0.4	0
136	1PT183 Highly accurate statistical pickup method for single particle 3D analysis using electron microscope(The 50th Annual Meeting of the Biophysical Society of Japan). Seibutsu Butsuri, 2012, 52, S100.	0.1	0
137	3E1022 Direct electron microscopy of protein crystals and Mycoplasma cells in solution using the Atmosnheric SEM(Proteins:Structure,Oral Presentation,The 50th Annual Meeting of the Biophysical) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.0	0
138	3H0900 Large Conformational Changes in Tubulin in the GTP- and GDPStates Microtubules Observed by Cryo Electron Microscopy(Cell Biology III:Cytoskeleton & Motility,Oral Presentation). Seibutsu Butsuri, 2012, 52, S69.	0.1	0
139	3P007 Direct electron microscopy of protein crystals and Mycoplasma cells in solution using the Atmospheric SEM(01A. Protein: Structure,Poster). Seibutsu Butsuri, 2013, 53, S213.	0.1	0
140	3P079 New highly accurate pickup methods, MRA-StoPICK and MRMA-StoPICK methods, for single particle analysis using electron microscope(01E. Protein: Measurement & Analysis,Poster). Seibutsu Butsuri, 2013, 53, S225.	0.1	0
141	The Atmospheric Scanning Electron Microscope (ASEM) Observes the Critical Moment of Platelet Generation from Megakaryocytes in Solution. Microscopy and Microanalysis, 2013, 19, 136-137.	0.4	0
142	3P006 TEM single particle reconstruction and atmospheric SEM of protein complex formations(01A.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Seibutsu Butsuri, 2014, 54, S249.	0.1	0
143	The Atmospheric Scanning Electron Microscope (ASEM) Observes Axonal Segmentation and Synaptic Induction in Solution. Microscopy and Microanalysis, 2014, 20, 972-973.	0.4	0
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