

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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	Liquid-phase imaging of bone development and calcification by atmospheric scanning electron microscopy (ASEM): Application to immuno-labeling and rapid tissue observation of genetically modified mouse. <i>Microscopy and Microanalysis</i> , 2021, 27, 2288-2289.	0.4	0
9	Thermal management function of graphene under cryogenic temperature. <i>Carbon</i> , 2021, 183, 970-976.	10.3	1
10	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
11	Correlative Light-Electron Microscopy of Neurons and Brains in Liquid. <i>Microscopy and Microanalysis</i> , 2021, 27, 5-6.	0.4	0
12	Observation of Bone Tissue Metabolism and Bacterial Biofilm in Aqueous Solution Using ASEM. <i>Microscopy and Microanalysis</i> , 2020, 26, 1340-1341.	0.4	0
13	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
14	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
15	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
16	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
17	Bayesian inference for three-dimensional helical reconstruction using a soft-body model. <i>Physical Review E</i> , 2019, 100, 042411.	2.1	1
18	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

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19	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
20	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
21	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
22	Structural Biology of Glycans. , 2019, , 35-63.		0
23	Cryo-TEM and Atmospheric SEM (ASEM) for the Observation of Samples in Hydrophilic Conditions. <i>Vacuum and Surface Science</i> , 2019, 62, 198-204.	0.1	0
24	DNA Origami Scaffolds as Templates for Functional Tetrameric Kir3 K ⁺ Channels. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2586-2591.	13.8	33
25	Lipid environment of membrane proteins in cryo-EM based structural analysis. <i>Biophysical Reviews</i> , 2018, 10, 307-316.	3.2	37
26	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
27	CLEM of Neurons, Tissues and Biofilms immersed in Liquid using The Atmospheric Scanning Electron Microscope (ASEM): Dual Gold-Labeling. <i>Microscopy and Microanalysis</i> , 2018, 24, 340-341.	0.4	0
28	<i>In-Situ</i> 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
29	Assembly of protein complexes restricts diffusion of Wnt3a proteins. <i>Communications Biology</i> , 2018, 1, 165.	4.4	23
30	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
31	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
32	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
33	Structural Biology Using Electron Microscopy. , 2018, , 249-276.		0
34	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
35	Observation of tissues in open aqueous solution by atmospheric scanning electron microscopy (ASEM). <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO4-7-8.	0.0	0
36	Short stop mediates axonal compartmentalization of mucin-type core 1 glycans. <i>Scientific Reports</i> , 2017, 7, 41455.	3.3	14

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37	Correlative light-electron microscopy in liquid using an inverted SEM (ASEM). <i>Methods in Cell Biology</i> , 2017, 140, 187-213.	1.1	2
38	Cutting Edge: Class II-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
39	Secretory Glands Imaged in Aqueous Solution by Atmospheric Scanning Electron Microscopy. <i>Biophysical Journal</i> , 2017, 112, 578a.	0.5	0
40	The Atmospheric Scanning Electron Microscope (ASEM) observes the axonal compartmentalization and microtubule formation in neurons.. <i>Microscopy and Microanalysis</i> , 2017, 23, 1298-1299.	0.4	0
41	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
42	OM-III-3 Development of atmospheric scanning electron microscope (ASEM) and its applications. <i>Microscopy (Oxford, England)</i> , 2016, 65, i19.2-i19.	1.5	0
43	OB-IV-1 Exocrine Organs Imaged in Aqueous Solution by Atmospheric Scanning Electron Microscopy (ASEM). <i>Microscopy (Oxford, England)</i> , 2016, 65, i17.1-i17.	1.5	0
44	OB-IV-2 Imaging of bacterial biofilms in solution by atmospheric scanning electron microscopy. <i>Microscopy (Oxford, England)</i> , 2016, 65, i17.2-i17.	1.5	0
45	Structural Biology and Electron Microscopy. <i>Springer Protocols</i> , 2016, , 275-292.	0.3	0
46	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
47	Imaging of bacterial multicellular behaviour in biofilms in liquid by atmospheric scanning electron microscopy. <i>Scientific Reports</i> , 2016, 6, 25889.	3.3	66
48	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
49	Correlation of Molecular Dynamics Analysis and Calcium Signaling in Mutant Ryanodine Receptors. <i>Biophysical Journal</i> , 2016, 110, 263a.	0.5	1
50	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
51	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
52	Development of an in-solution observation method using atmospheric scanning electron microscopy (ASEM). <i>Synthesiology</i> , 2015, 8, 162-173.	0.2	1
53	Quick Observation of Tissues in Solution by Atmospheric Scanning Electron Microscopy (ASEM). <i>Microscopy and Microanalysis</i> , 2015, 21, 399-400.	0.4	0
54	The Atmospheric Scanning Electron Microscope (ASEM) observes the Cultured Fluorescent Neuron. <i>Microscopy and Microanalysis</i> , 2015, 21, 889-890.	0.4	0

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55	Wide Area Observation of Fully Hydrophilic Tissue Achieved by Sliding It on the Dish of the Atmospheric Scanning Electron Microscope (ASEM). <i>Microscopy and Microanalysis</i> , 2015, 21, 1503-1504.	0.4	0
56	A5TEM and ASEM of proteins and cells in ice and water. <i>Microscopy (Oxford, England)</i> , 2015, 64, i10.1-i10.	1.5	0
57	Crystal Structure of the Csm3-Csm4 Subcomplex in the Type III-A CRISPR-Cas Interference Complex. <i>Journal of Molecular Biology</i> , 2015, 427, 259-273.	4.2	19
58	Crystal Structure of the CRISPR-Cas RNA Silencing Cmr Complex Bound to a Target Analog. <i>Molecular Cell</i> , 2015, 58, 418-430.	9.7	121
59	X-ray and Cryo-EM structures reveal mutual conformational changes of Kinesin and GTP-actin microtubules upon binding. <i>EMBO Journal</i> , 2015, 34, 1270-1286.	7.8	78
60	3D structure determination of protein using TEM single particle analysis. <i>Microscopy (Oxford, England)</i> , 2015, 64, i10.1-i10.	1.5	2
61	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
62	Electron microscopy of primary cell cultures in solution and correlative optical microscopy using ASEM. <i>Ultramicroscopy</i> , 2014, 143, 52-66.	1.9	38
63	New simulated annealing approach considering helix bending applied to determine the 8.8Å... structure of 15-protofilament microtubules. <i>Journal of Structural Biology</i> , 2014, 188, 165-176.	2.8	3
64	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
65	Atmospheric scanning electron microscope system with an open sample chamber: Configuration and applications. <i>Ultramicroscopy</i> , 2014, 147, 86-97.	1.9	34
66	Conformational variation of the translocon enhancing chaperone SecDF. <i>Journal of Structural and Functional Genomics</i> , 2014, 15, 107-115.	1.2	10
67	3D TEM single particle reconstruction and atmospheric SEM of protein complex formations (O1A). <i>Ultramicroscopy</i> , 2014, 147, 86-97.	0.1	0
68	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
69	The Atmospheric Scanning Electron Microscope (ASEM) Observes Axonal Segmentation and Synaptic Induction in Solution. <i>Microscopy and Microanalysis</i> , 2014, 20, 972-973.	0.4	0
70	Observation of Tissues in Solution by Atmospheric Scanning Electron Microscope (ASEM). <i>Microscopy and Microanalysis</i> , 2014, 20, 978-979.	0.4	0
71	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
72	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

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73	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
74	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
75	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
76	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
77	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
78	3P007 Direct electron microscopy of protein crystals and Mycoplasma cells in solution using the Atmospheric SEM(01A. Protein: Structure,Poster). <i>Seibutsu Butsuri</i> , 2013, 53, S213.	0.1	0
79	3P079 New highly accurate pickup methods, MRA-StoPICK and MRMA-StoPICK methods, for single particle analysis using electron microscope(01E. Protein: Measurement & Analysis,Poster). <i>Seibutsu Butsuri</i> , 2013, 53, S225.	0.1	0
80	3P006 Three dimensional reconstruction of HLA-G2/G6 isoform(01A. Protein: Structure,Poster). <i>Seibutsu Butsuri</i> , 2013, 53, S212.	0.1	1
81	The Atmospheric Scanning Electron Microscope (ASEM) Observes the Critical Moment of Platelet Generation from Megakaryocytes in Solution. <i>Microscopy and Microanalysis</i> , 2013, 19, 136-137.	0.4	0
82	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
83	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
84	1PT183 Highly accurate statistical pickup method for single particle 3D analysis using electron microscope(The 50th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2012, 52, S100.	0.1	0
85	3E1022 Direct electron microscopy of protein crystals and Mycoplasma cells in solution using the Atmospheric SEM(Proteins:Structure,Oral Presentation,The 50th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2012, 52, S100.	0.1	0
86	3H0900 Large Conformational Changes in Tubulin in the GTP- and GDP States Microtubules Observed by Cryo Electron Microscopy(Cell Biology III:Cytoskeleton & Motility,Oral Presentation). <i>Seibutsu Butsuri</i> , 2012, 52, S69.	0.1	0
87	Microbe Observation with gold labeling using the Atmospheric Scanning Electron Microscope. <i>Microscopy and Microanalysis</i> , 2012, 18, 266-267.	0.4	8
88	Immuno EM Correlative microscopy in solution by atmospheric scanning electron microscopy (ASEM). <i>Journal of Structural Biology</i> , 2012, 180, 259-270.	2.8	59
89	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
90	Atmospheric Scanning Electron Microscope for Correlative Microscopy. <i>Methods in Cell Biology</i> , 2012, 111, 307-324.	1.1	7

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91	Conformational changes in tubulin in GMPCPP and GDP-taxol microtubules observed by cryoelectron microscopy. <i>Journal of Cell Biology</i> , 2012, 198, 315-322.	5.2	71
92	Mitsugumin 23 Forms a Massive Bowl-Shaped Assembly and Cation-Conducting Channel. <i>Biochemistry</i> , 2011, 50, 2623-2632.	2.5	17
93	Mitsugumin23, a Protein Associated with Intracellular Calcium Stores, Behaves as an Ion-Channel that can Conduct Calcium. <i>Biophysical Journal</i> , 2011, 100, 250a.	0.5	0
94	Immuno-EM of fine growth cone and synapse structures in aqueous solution using the atmospheric scanning electron microscope (ASEM). <i>Neuroscience Research</i> , 2011, 71, e61.	1.9	0
95	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 ETQq 1o110.7843o4 rgBT		0
96	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 00 rgBT /Overlock 10		0
97	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). <i>Seibutsu Butsuru</i> , 2011, 51, S47.	0.1	0
98	Immuno-EM in Buffer Using the Atmospheric Scanning Electron Microscope (ASEM). <i>Microscopy and Microanalysis</i> , 2011, 17, 230-231.	0.4	0
99	Rapid Observation with an Atmospheric Scanning Electron Microscope. <i>Microscopy and Microanalysis</i> , 2011, 17, 510-511.	0.4	0
100	The Atmospheric Scanning Electron Microscope with open sample space observes dynamic phenomena in liquid or gas. <i>Ultramicroscopy</i> , 2011, 111, 1650-1658.	1.9	77
101	Low Cholesterol Triggers Membrane Microdomain-dependent CD44 Shedding and Suppresses Tumor Cell Migration. <i>Journal of Biological Chemistry</i> , 2011, 286, 1999-2007.	3.4	144
102	Three-dimensional Structure of the Signal Peptide Peptidase. <i>Journal of Biological Chemistry</i> , 2011, 286, 26188-26197.	3.4	21
103	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
104	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
105	Atmospheric scanning electron microscope observes cells and tissues in open medium through silicon nitride film. <i>Journal of Structural Biology</i> , 2010, 169, 438-449.	2.8	180
106	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
107	Keap1 is a forked-stem dimer structure with two large spheres enclosing the intervening, double glycine repeat, and C-terminal domains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2842-2847.	7.1	199
108	Selective and direct inhibition of TRPC3 channels underlies biological activities of a pyrazole compound. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5400-5405.	7.1	344

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109	Reply to Thinnes: Is There Competition in Trafficking of VDAC-cored VRAC and SOC in NE Differentiation of Cells?. Journal of Biological Chemistry, 2009, 284, 1e4.	3.4	0
110	RECK Forms Cowbell-shaped Dimers and Inhibits Matrix Metalloproteinase-catalyzed Cleavage of Fibronectin. Journal of Biological Chemistry, 2009, 284, 3461-3469.	3.4	52
111	Tetrameric Orai1 Is a Teardrop-shaped Molecule with a Long, Tapered Cytoplasmic Domain. Journal of Biological Chemistry, 2009, 284, 13676-13685.	3.4	77
112	Reconstruction of the P2X2 Receptor Reveals a Vase-Shaped Structure with Lateral Tunnels above the Membrane. Structure, 2009, 17, 266-275.	3.3	18
113	Three Dimensional Reconstruction of CFTR Chloride Channel Using Single Particle Analysis. Biophysical Journal, 2009, 96, 468a.	0.5	0
114	Roles of serotonin receptors in the dendrite formation of the rat cerebral cortical neurons. Neuroscience Research, 2009, 65, S159-S160.	1.9	0
115	New Scanning Electron Microscope Capable of Observing Cells in Solution. Microscopy and Microanalysis, 2009, 15, 938-939.	0.4	2
116	Atmospheric Electron Microscope: Limits of Observable Depth. Microscopy and Microanalysis, 2009, 15, 924-925.	0.4	12
117	çµε™ā, 'ç"ā, āā, é»āé;ā¼@éç"»āfā•ā,%ā@3æ-ja...fæš<éæ±ā@š1/4šāç²'āèš£æžæ³•. Kagaku To Seibutsu, 2009, 47, 701-717.		
118	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
119	2TP5-01 Structure analysis of membrane protein complexes using TEM and SEM(The 47th Annual) Tj ETQq1 1 0.784314 rgBT /Overlo	0.1	0
120	Single Particle Analysis of Membrane Proteins. Seibutsu Butsuri, 2009, 49, 143-146.	0.1	0
121	3P-068 Accurate and robust particle pickup method for single particle analysis was developed using local-similarity classification(Protein:Measurement & Analysis,The 47th Annual Meeting of the) Tj ETQq1 1 0.784314 rgBT /Overlo	0.1	0
122	Structure of six-transmembrane cation channels revealed by single-particle analysis from electron microscopic images. Journal of Synchrotron Radiation, 2008, 15, 211-214.	2.4	4
123	The Motor Protein Prestin Is a Bullet-shaped Molecule with Inner Cavities. Journal of Biological Chemistry, 2008, 283, 1137-1145.	3.4	66
124	Three-dimensional Reconstruction of Human Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel Revealed an Ellipsoidal Structure with Orifices beneath the Putative Transmembrane Domain. Journal of Biological Chemistry, 2008, 283, 30300-30310.	3.4	41
125	Ion channel structures by single-particle analysis using EM: sodium and TRP channels, IP3 receptor. Acta Crystallographica Section A: Foundations and Advances, 2008, 64, C68-C68.	0.3	0
126	Three-dimensional Reconstruction Using Transmission Electron Microscopy Reveals a Swollen, Bell-shaped Structure of Transient Receptor Potential Melastatin Type 2 Cation Channel. Journal of Biological Chemistry, 2007, 282, 36961-36970.	3.4	59

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127	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
128	Subunit Dissociation of Trpc3 Ion Channel Under High-Salt Condition. <i>Journal of Electron Microscopy</i> , 2007, 56, 111-117.	0.9	5
129	The TRPC3 Channel Has a Large Internal Chamber Surrounded by Signal Sensing Antennas. <i>Journal of Molecular Biology</i> , 2007, 367, 373-383.	4.2	82
130	Single Particle Conformations of Human Serum Albumin by Electron Microscopy. <i>Journal of Electron Microscopy</i> , 2007, 56, 103-110.	0.9	7
131	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
132	TRIC channels are essential for Ca ²⁺ handling in intracellular stores. <i>Nature</i> , 2007, 448, 78-82.	27.8	149
133	Three-dimensional structure of the \hat{I}^3 -secretase complex. <i>Biochemical and Biophysical Research Communications</i> , 2006, 343, 525-534.	2.1	92
134	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
135	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
136	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 /O	0.0	0
137	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
138	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
139	Role of Arginine Residues on the S4 Segment of the Bacillus halodurans Na ⁺ Channel in Voltage-sensing. <i>Journal of Membrane Biology</i> , 2004, 201, 9-24.	2.1	35
140	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
141	Inositol 1,4,5-trisphosphate Receptor Contains Multiple Cavities and L-shaped Ligand-binding Domains. <i>Journal of Molecular Biology</i> , 2004, 336, 155-164.	4.2	94
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