

Abraham J Koster

List of Publications by Year in descending order

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173
papers

14,032
citations

15495

65
h-index

23514

111
g-index

186
all docs

186
docs citations

186
times ranked

18339
citing authors

#	ARTICLE	IF	CITATIONS
1	AreTomo: An integrated software package for automated marker-free, motion-corrected cryo-electron tomographic alignment and reconstruction. <i>Journal of Structural Biology</i> : X, 2022, 6, 100068.	0.7	32
2	Automated vitrification of cryo-EM samples with controllable sample thickness using suction and real-time optical inspection. <i>Nature Communications</i> , 2022, 13, .	5.8	14
3	Super-resolution correlative light-electron microscopy using a click-chemistry approach for studying intracellular trafficking. <i>Methods in Cell Biology</i> , 2021, 162, 303-331.	0.5	10
4	The adapter protein Myd88 plays an important role in limiting mycobacterial growth in a zebrafish model for tuberculosis. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2021, 479, 265-275.	1.4	5
5	Defining Phenotype, Tropism, and Retinal Gene Therapy Using Adeno-Associated Viral Vectors (AAVs) in New-Born Brown Norway Rats with a Spontaneous Mutation in Crb1. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3563.	1.8	9
6	Distinct antigen uptake receptors route to the same storage compartments for cross-presentation in dendritic cells. <i>Immunology</i> , 2021, 164, 494-506.	2.0	8
7	Fluorescence-guided lamella fabrication with ENZEL, an integrated cryogenic CLEM solution for the cryo-electron tomography workflow. <i>Microscopy and Microanalysis</i> , 2021, 27, 3234-3235.	0.2	1
8	ENZEL - A cryogenic, retrofittable, coincident fluorescence, electron, and ion beam solution for the cryo-electron tomography workflow.. <i>Microscopy and Microanalysis</i> , 2021, 27, 3228-3229.	0.2	2
9	Doublecortin-like expressing astrocytes of the suprachiasmatic nucleus are implicated in the biosynthesis of vasopressin and influences circadian rhythms. <i>Glia</i> , 2021, 69, 2752-2766.	2.5	6
10	Progression and Classification of Granular Osmiophilic Material (GOM) Deposits in Functionally Characterized Human NOTCH3 Transgenic Mice. <i>Translational Stroke Research</i> , 2020, 11, 517-527.	2.3	16
11	Bioorthogonal Correlative Light-Electron Microscopy of <i>Mycobacterium tuberculosis</i> in Macrophages Reveals the Effect of Antituberculosis Drugs on Subcellular Bacterial Distribution. <i>ACS Central Science</i> , 2020, 6, 1997-2007.	5.3	15
12	A molecular pore spans the double membrane of the coronavirus replication organelle. <i>Science</i> , 2020, 369, 1395-1398.	6.0	372
13	Human-iPSC-Derived Cardiac Stromal Cells Enhance Maturation in 3D Cardiac Microtissues and Reveal Non-cardiomyocyte Contributions to Heart Disease. <i>Cell Stem Cell</i> , 2020, 26, 862-879.e11.	5.2	337
14	A unifying structural and functional model of the coronavirus replication organelle: Tracking down RNA synthesis. <i>PLoS Biology</i> , 2020, 18, e3000715.	2.6	368
15	Graphene Liquid Cells Assembled through Loop-Assisted Transfer Method and Located with Correlated Light-Electron Microscopy. <i>Advanced Functional Materials</i> , 2020, 30, 1904468.	7.8	24
16	Application of a Highly Selective Cathepsin S Two-step Activity-Based Probe in Multicolor Bio-Orthogonal Correlative Light-Electron Microscopy. <i>Frontiers in Chemistry</i> , 2020, 8, 628433.	1.8	5
17	Title is missing!. , 2020, 18, e3000715.		0
18	Title is missing!. , 2020, 18, e3000715.		0

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19	Title is missing!. , 2020, 18, e3000715.		0
20	Title is missing!. , 2020, 18, e3000715.		1
21	Correlated Cryo Super-Resolution Light and Cryo-Electron Microscopy on Mammalian Cells Expressing the Fluorescent Protein rsEGFP2. <i>Small Methods</i> , 2019, 3, 1900425.	4.6	6
22	CRB2 Loss in Rod Photoreceptors Is Associated with Progressive Loss of Retinal Contrast Sensitivity. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4069.	1.8	16
23	Glomerular permeability is not affected by heparan sulfate glycosaminoglycan deficiency in zebrafish embryos. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, F1211-F1216.	1.3	10
24	Mind the gap: Micro-expansion joints drastically decrease the bending of FIB-milled cryo-lamellae. <i>Journal of Structural Biology</i> , 2019, 208, 107389.	1.3	70
25	Correlative cryo super-resolution light and electron microscopy on mammalian cells using fluorescent proteins. <i>Scientific Reports</i> , 2019, 9, 1369.	1.6	95
26	Insights into IgM-mediated complement activation based on in situ structures of IgM-C1-C4b. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11900-11905.	3.3	112
27	Origins of Enterovirus Replication Organelles Established by Whole-Cell Electron Microscopy. <i>MBio</i> , 2019, 10, .	1.8	51
28	Localization of active endogenous and exogenous Î²-galactosidase by correlative light-electron microscopy in human fibroblasts. <i>Traffic</i> , 2019, 20, 346-356.	1.3	15
29	Human iPSC-Derived Retinas Recapitulate the Fetal CRB1 CRB2 Complex Formation and Demonstrate that Photoreceptors and Müller Glia Are Targets of AAV5. <i>Stem Cell Reports</i> , 2019, 12, 906-919.	2.3	75
30	Loss of CRB2 in Müller glial cells modifies a CRB1-associated retinitis pigmentosa phenotype into a Leber congenital amaurosis phenotype. <i>Human Molecular Genetics</i> , 2019, 28, 105-123.	1.4	29
31	Correlative microscopy for structural microbiology. <i>Current Opinion in Microbiology</i> , 2018, 43, 132-138.	2.3	11
32	Structures of C1-IgG1 provide insights into how danger pattern recognition activates complement. <i>Science</i> , 2018, 359, 794-797.	6.0	127
33	Renal Subcapsular Transplantation of PSC-Derived Kidney Organoids Induces Neo-vasculogenesis and Significant Glomerular and Tubular Maturation In Vivo. <i>Stem Cell Reports</i> , 2018, 10, 751-765.	2.3	304
34	Advances in cryo-electron tomography for biology and medicine. <i>Annals of Anatomy</i> , 2018, 217, 82-96.	1.0	80
35	Postmortem MRI and histology demonstrate differential iron accumulation and cortical myelin organization in early- and late-onset Alzheimer's disease. <i>Neurobiology of Aging</i> , 2018, 62, 231-242.	1.5	93
36	Zooming in on Cell Architecture and Molecular Structures with Correlative Light and Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2018, 24, 874-875.	0.2	0

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37	Ultrastructural Imaging of <i>Salmonella</i> Host Interactions Using Super-resolution Correlative Light-Electron Microscopy of Bioorthogonal Pathogens. <i>ChemBioChem</i> , 2018, 19, 1766-1770.	1.3	19
38	Weibel-Palade Body Localized Syntaxin-3 Modulates Von Willebrand Factor Secretion From Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 1549-1561.	1.1	35
39	Correlative light and electron microscopy reveals discrepancy between gold and fluorescence labelling. <i>Journal of Microscopy</i> , 2017, 267, 309-317.	0.8	13
40	Recent advances in electron tomography. <i>Journal of Structural Biology</i> , 2017, 197, 71-72.	1.3	3
41	Human CD8 ⁺ T Cells Damage Noninfected Epithelial Cells during Influenza Virus Infection <i>In Vitro</i> . <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 57, 536-546.	1.4	40
42	Intradermal vaccination with hollow microneedles: A comparative study of various protein antigen and adjuvant encapsulated nanoparticles. <i>Journal of Controlled Release</i> , 2017, 266, 109-118.	4.8	110
43	Escaping Host Factor PI4KB Inhibition: Enterovirus Genomic RNA Replication in the Absence of Replication Organelles. <i>Cell Reports</i> , 2017, 21, 587-599.	2.9	41
44	Inducing fluorescence of uranyl acetate as a dual-purpose contrast agent for correlative light-electron microscopy with nanometre precision. <i>Scientific Reports</i> , 2017, 7, 10442.	1.6	11
45	Imaging complement by phase-plate cryo-electron tomography from initiation to pore formation. <i>Journal of Structural Biology</i> , 2017, 197, 155-162.	1.3	26
46	Expression and Cleavage of Middle East Respiratory Syndrome Coronavirus nsp3-4 Polyprotein Induce the Formation of Double-Membrane Vesicles That Mimic Those Associated with Coronaviral RNA Replication. <i>MBio</i> , 2017, 8, .	1.8	176
47	Cross-membranes orchestrate compartmentalization and morphogenesis in <i>Streptomyces</i> . <i>Nature Communications</i> , 2016, 7, ncomms11836.	5.8	49
48	Atrasentan Reduces Albuminuria by Restoring the Glomerular Endothelial Glycocalyx Barrier in Diabetic Nephropathy. <i>Diabetes</i> , 2016, 65, 2429-2439.	0.3	101
49	Subcompartmentalization by cross-membranes during early growth of <i>Streptomyces</i> hyphae. <i>Nature Communications</i> , 2016, 7, 12467.	5.8	31
50	Asymmetric cryo-EM reconstruction of phage MS2 reveals genome structure in situ. <i>Nature Communications</i> , 2016, 7, 12524.	5.8	114
51	Maternally supplied S-acyl-transferase is required for crystalloid organelle formation and transmission of the malaria parasite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7183-7188.	3.3	28
52	Heterogeneous MAC Initiator and Pore Structures in a Lipid Bilayer by Phase-Plate Cryo-electron Tomography. <i>Cell Reports</i> , 2016, 15, 1-8.	2.9	129
53	Biogenesis and architecture of arterivirus replication organelles. <i>Virus Research</i> , 2016, 220, 70-90.	1.1	65
54	Influenza virus damages the alveolar barrier by disrupting epithelial cell tight junctions. <i>European Respiratory Journal</i> , 2016, 47, 954-966.	3.1	158

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55	Detection of bioorthogonal groups by correlative light and electron microscopy allows imaging of degraded bacteria in phagocytes. <i>Chemical Science</i> , 2016, 7, 752-758.	3.7	40
56	Multiple capsid-stabilizing interactions revealed in a high-resolution structure of an emerging picornavirus causing neonatal sepsis. <i>Nature Communications</i> , 2016, 7, 11387.	5.8	34
57	Content delivery to newly forming Weibel-Palade bodies is facilitated by multiple connections with the Golgi apparatus. <i>Blood</i> , 2015, 125, 3509-3516.	0.6	17
58	Orthogonal Functionalization of Ferritin via Supramolecular Reassembly. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 4603-4610.	1.0	1
59	Towards the imaging of Weibel-Palade body biogenesis by serial block face scanning electron microscopy. <i>Journal of Microscopy</i> , 2015, 259, 97-104.	0.8	8
60	Cryoelectron Tomography of the NAIP5/NLRC4 Inflammasome: Implications for NLR Activation. <i>Structure</i> , 2015, 23, 2349-2357.	1.6	104
61	Conical Fourier shell correlation applied to electron tomograms. <i>Journal of Structural Biology</i> , 2015, 190, 215-223.	1.3	24
62	The Translocon Protein Sec61 Mediates Antigen Transport from Endosomes in the Cytosol for Cross-Presentation to CD8+ T Cells. <i>Immunity</i> , 2015, 42, 850-863.	6.6	136
63	Replication of <i>Plasmodium</i> in reticulocytes can occur without hemozoin formation, resulting in chloroquine resistance. <i>Journal of Experimental Medicine</i> , 2015, 212, 893-903.	4.2	62
64	Loss of β -Cell Identity Occurs in Type 2 Diabetes and Is Associated With Islet Amyloid Deposits. <i>Diabetes</i> , 2015, 64, 2928-2938.	0.3	141
65	The potential of bioorthogonal chemistry for correlative light and electron microscopy: a call to arms. <i>Journal of Chemical Biology</i> , 2015, 8, 153-157.	2.2	4
66	Optimisations and Challenges Involved in the Creation of Various Bioluminescent and Fluorescent Influenza A Virus Strains for In Vitro and In Vivo Applications. <i>PLoS ONE</i> , 2015, 10, e0133888.	1.1	26
67	Correlative Cryo-Fluorescence Light Microscopy and Cryo-Electron Tomography of <i>Streptomyces</i> . <i>Methods in Cell Biology</i> , 2014, 124, 217-239.	0.5	31
68	A 3D cellular context for the macromolecular world. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 841-845.	3.6	47
69	Correlative Light Microscopy and Electron Tomography to Study Von Willebrand Factor Exocytosis from Vascular Endothelial Cells. <i>Methods in Cell Biology</i> , 2014, 124, 71-92.	0.5	6
70	Complement Is Activated by IgG Hexamers Assembled at the Cell Surface. <i>Science</i> , 2014, 343, 1260-1263.	6.0	602
71	MAVIS: An integrated system for live microscopy and vitrification. <i>Ultramicroscopy</i> , 2014, 143, 67-76.	0.8	15
72	Editorial on Correlative microscopy. <i>Ultramicroscopy</i> , 2014, 143, 1-2.	0.8	4

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73	Mammalian orthoreovirus T3D infects U-118 MG cell spheroids independent of junction adhesion molecule-A. <i>Gene Therapy</i> , 2014, 21, 609-617.	2.3	15
74	Vitrification of Tokuyasu-style immuno-labelled sections for correlative cryo light microscopy and cryo electron tomography. <i>Journal of Structural Biology</i> , 2014, 186, 273-282.	1.3	32
75	Cryo-electron tomography analysis of membrane vesicles from <i>Acinetobacter baumannii</i> ATCC19606T. <i>Research in Microbiology</i> , 2013, 164, 397-405.	1.0	39
76	Nanofabrication of a gold fiducial array on specimen support for electron tomography. <i>Ultramicroscopy</i> , 2013, 135, 99-104.	0.8	2
77	Destruction of Tissue, Cells and Organelles in Type 1 Diabetic Rats Presented at Macromolecular Resolution. <i>Scientific Reports</i> , 2013, 3, 1804.	1.6	46
78	Quantification of nanosized extracellular membrane vesicles with scanning ion occlusion sensing. <i>Nanomedicine</i> , 2013, 8, 1443-1458.	1.7	102
79	Enhanced luminescence of Ag nanoclusters via surface modification. <i>Nanotechnology</i> , 2013, 24, 075703.	1.3	30
80	Image formation modeling in cryo-electron microscopy. <i>Journal of Structural Biology</i> , 2013, 183, 19-32.	1.3	90
81	Loss of function analyses defines vital and redundant functions of the <i>Plasmodium</i> rhomboid protease family. <i>Molecular Microbiology</i> , 2013, 88, 318-338.	1.2	40
82	Multidimensional View of the Bacterial Cytoskeleton. <i>Journal of Bacteriology</i> , 2013, 195, 1627-1636.	1.0	57
83	Cellular Nanoimaging by Cryo Electron Tomography. <i>Methods in Molecular Biology</i> , 2013, 950, 227-251.	0.4	9
84	von Willebrand factor remodeling during exocytosis from vascular endothelial cells. <i>Journal of Thrombosis and Haemostasis</i> , 2013, 11, 2009-2019.	1.9	28
85	Cryo-electron microscopy of extracellular vesicles in fresh plasma. <i>Journal of Extracellular Vesicles</i> , 2013, 2, .	5.5	198
86	Pushing the resolution limits in cryo electron tomography of biological structures. <i>Journal of Microscopy</i> , 2012, 248, 1-5.	0.8	54
87	Virtual nanoscopy: Generation of ultra-large high resolution electron microscopy maps. <i>Journal of Cell Biology</i> , 2012, 198, 457-469.	2.3	110
88	Ultrastructural Characterization of Arterivirus Replication Structures: Reshaping the Endoplasmic Reticulum To Accommodate Viral RNA Synthesis. <i>Journal of Virology</i> , 2012, 86, 2474-2487.	1.5	121
89	Single-Walled Carbon Nanotubes as Scaffolds to Concentrate DNA for the Study of DNA-Protein Interactions. <i>ChemPhysChem</i> , 2012, 13, 1569-1575.	1.0	3
90	Ruthenium Polypyridyl Complexes Hopping at Anionic Lipid Bilayers through a Supramolecular Bond Sensitive to Visible Light. <i>Chemistry - A European Journal</i> , 2012, 18, 10271-10280.	1.7	33

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91	Imaging of Von Willebrand Factor Remodeling Upon Secretion From Vascular Endothelial Cells. <i>Blood</i> , 2012, 120, 263-263.	0.6	0
92	A new approach to improve the quality of ultrathin cryo-sections; its use for immunogold EM and correlative electron cryo-tomography. <i>Journal of Structural Biology</i> , 2011, 175, 62-72.	1.3	29
93	Defocus estimation from stroboscopic cryo-electron microscopy data. <i>Ultramicroscopy</i> , 2011, 111, 1592-1598.	0.8	6
94	Radiation damage in single-particle cryo-electron microscopy: effects of dose and dose rate. <i>Journal of Synchrotron Radiation</i> , 2011, 18, 398-412.	1.0	88
95	Cartilage ultrastructure in proteoglycan-deficient zebrafish mutants brings to light new candidate genes for human skeletal disorders. <i>Journal of Pathology</i> , 2011, 223, 531-542.	2.1	38
96	The Transformation of Enterovirus Replication Structures: a Three-Dimensional Study of Single- and Double-Membrane Compartments. <i>MBio</i> , 2011, 2, .	1.8	138
97	Intracellular Storage and Regulated Secretion of Von Willebrand Factor in Quantitative Von Willebrand Disease. <i>Journal of Biological Chemistry</i> , 2011, 286, 24180-24188.	1.6	39
98	Multigranular exocytosis of Weibel-Palade bodies in vascular endothelial cells. <i>Blood</i> , 2010, 116, 1807-1816.	0.6	76
99	A toolkit for the characterization of CCD cameras for transmission electron microscopy. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2010, 66, 97-109.	2.5	31
100	Do Biofilm Formation and Interactions with Human Cells Explain the Clinical Success of <i>Acinetobacter baumannii</i> ?. <i>PLoS ONE</i> , 2010, 5, e10732.	1.1	92
101	Integrity of the Early Secretory Pathway Promotes, but Is Not Required for, Severe Acute Respiratory Syndrome Coronavirus RNA Synthesis and Virus-Induced Remodeling of Endoplasmic Reticulum Membranes. <i>Journal of Virology</i> , 2010, 84, 833-846.	1.5	51
102	Correlated Light and Electron Cryo-Microscopy. <i>Methods in Enzymology</i> , 2010, 481, 317-341.	0.4	72
103	Early Stages of Golgi Vesicle and Tubule Formation Require Diacylglycerol. <i>Molecular Biology of the Cell</i> , 2009, 20, 780-790.	0.9	69
104	Tools for correlative cryo-fluorescence microscopy and cryo-electron tomography applied to whole mitochondria in human endothelial cells. <i>European Journal of Cell Biology</i> , 2009, 88, 669-684.	1.6	125
105	Insights into complement convertase formation based on the structure of the factor B-cobra venom factor complex. <i>EMBO Journal</i> , 2009, 28, 2469-2478.	3.5	61
106	Cryo-electron tomography in biology and medicine. <i>Annals of Anatomy</i> , 2009, 191, 427-445.	1.0	81
107	CsuA/BABCDE-dependent pili are not involved in the adherence of <i>Acinetobacter baumannii</i> ATCC19606T to human airway epithelial cells and their inflammatory response. <i>Research in Microbiology</i> , 2009, 160, 213-218.	1.0	99
108	Electron tomography in life science. <i>Seminars in Cell and Developmental Biology</i> , 2009, 20, 920-930.	2.3	73

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109	Cryo-electron tomography of mouse hepatitis virus: Insights into the structure of the coronavirus. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 582-587.	3.3	243
110	Three-dimensional Architecture of Hair-bundle Linkages Revealed by Electron-microscopic Tomography. JARO - Journal of the Association for Research in Otolaryngology, 2008, 9, 215-224.	0.9	24
111	Cryo electron tomography of vitrified fibroblasts: Microtubule plus ends in situ. Journal of Structural Biology, 2008, 161, 459-468.	1.3	58
112	Fluorescent labeling of resin-embedded sections for correlative electron microscopy using tomography-based contrast enhancement. Journal of Structural Biology, 2008, 161, 372-383.	1.3	17
113	Integrated fluorescence and transmission electron microscopy. Journal of Structural Biology, 2008, 164, 183-189.	1.3	158
114	SP1 Protein-Based Nanostructures and Arrays. Nano Letters, 2008, 8, 473-477.	4.5	70
115	The nuclear lamina promotes telomere aggregation and centromere peripheral localization during senescence of human mesenchymal stem cells. Journal of Cell Science, 2008, 121, 4018-4028.	1.2	80
116	Microtubule Plus-End Conformations and Dynamics in the Periphery of Interphase Mouse Fibroblasts. Molecular Biology of the Cell, 2008, 19, 3138-3146.	0.9	28
117	SARS-Coronavirus Replication Is Supported by a Reticulovesicular Network of Modified Endoplasmic Reticulum. PLoS Biology, 2008, 6, e226.	2.6	862
118	Novel localization of Rab3D in rat intestinal goblet cells and Brunner's gland acinar cells suggests a role in early Golgi trafficking. American Journal of Physiology - Renal Physiology, 2007, 293, G165-G177.	1.6	23
119	Template matching as a tool for annotation of tomograms of stained biological structures. Journal of Structural Biology, 2007, 158, 327-335.	1.3	41
120	STEM tomography in cell biology. Journal of Structural Biology, 2007, 159, 381-391.	1.3	71
121	Contribution of high-resolution correlative imaging techniques in the study of the liver sieve in three-dimensions. Microscopy Research and Technique, 2007, 70, 230-242.	1.2	97
122	Cryotomography: Low-dose Automated Tomography of Frozen-hydrated Specimens. , 2007, , 113-161.		16
123	High-Resolution Electron Tomography Study of an Industrial Ni ²⁺ /Mo ⁶⁺ -Al ₂ O ₃ Hydrotreating Catalyst. Journal of Physical Chemistry B, 2006, 110, 10209-10212.	1.2	49
124	A vaccinia virus lacking A10L: viral core proteins accumulate on structures derived from the endoplasmic reticulum. Cellular Microbiology, 2006, 8, 427-437.	1.1	17
125	Immuno-electron tomography of ER exit sites reveals the existence of free COPII-coated transport carriers. Nature Cell Biology, 2006, 8, 377-383.	4.6	173
126	Actin filaments are involved in the maintenance of Golgi cisternae morphology and intra-Golgi pH. Cytoskeleton, 2006, 63, 778-791.	4.4	60

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127	Cutting the cost of high-resolution microscopy. <i>Nature Materials</i> , 2005, 4, 885-886.	13.3	0
128	Correlative microscopy and electron tomography of GFP through photooxidation. <i>Nature Methods</i> , 2005, 2, 857-862.	9.0	207
129	Electron tomography of molecular sieves. <i>Studies in Surface Science and Catalysis</i> , 2005, 157, 225-242.	1.5	8
130	Golgi Enzymes Are Enriched in Perforated Zones of Golgi Cisternae but Are Depleted in COPI Vesicles. <i>Molecular Biology of the Cell</i> , 2004, 15, 4710-4724.	0.9	90
131	3-D Structure of Multilaminar Lysosomes in Antigen Presenting Cells Reveals Trapping of MHC II on the Internal Membranes. <i>Traffic</i> , 2004, 5, 936-945.	1.3	28
132	Secretory traffic triggers the formation of tubular continuities across Golgi sub-compartments. <i>Nature Cell Biology</i> , 2004, 6, 1071-1081.	4.6	283
133	Preliminary Three-Dimensional Model of Insect Lipoprotein HDLp by Using Electron Microscopy and X-ray Crystallography. <i>Microscopy and Microanalysis</i> , 2004, 10, 1514-1515.	0.2	3
134	Correction of autofocusing errors due to specimen tilt for automated electron tomography. <i>Journal of Microscopy</i> , 2003, 211, 179-185.	0.8	14
135	Influence of aldehyde fixation on the morphology of endosomes and lysosomes: quantitative analysis and electron tomography. <i>Journal of Microscopy</i> , 2003, 212, 81-90.	0.8	183
136	ER-to-Golgi Carriers Arise through Direct En Bloc Protrusion and Multistage Maturation of Specialized ER Exit Domains. <i>Developmental Cell</i> , 2003, 5, 583-594.	3.1	225
137	Endosomal compartmentalization in three dimensions: Implications for membrane fusion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 13332-13337.	3.3	136
138	Involvement of the Endoplasmic Reticulum in Peroxisome Formation. <i>Molecular Biology of the Cell</i> , 2003, 14, 2900-2907.	0.9	168
139	Quantitative Analysis of the Influence of Aldehyde Pre-Fixation on the Morphology of Endosomes and Lysosomes. <i>Microscopy and Microanalysis</i> , 2003, 9, 500-501.	0.2	0
140	Electron microscopy in cell biology: integrating structure and function. <i>Nature Reviews Molecular Cell Biology</i> , 2003, Suppl, SS6-10.	16.1	44
141	A 3D-TEM study of the shape of mesopores in SBA-15 and modified SBA-15 materials: Electronic supplementary information (ESI) available: Fig. S1: schematic view of the MCM-41 formation mechanism. Movie S2: Aligned TEM tilt series of the SBA-15 particle from Fig. 1 (sample with the lower TEOS to) Tj ETQq1 1 0.784314 rgBT /Overlaid	2.2	59
142	Communications, 2002, ., 1632-1633. Three-dimensional localization of ultrasmall immuno-gold labels by HAADF-STEM tomography. <i>Journal of Structural Biology</i> , 2002, 138, 58-62.	1.3	52
143	Academic Colloquium on Electron Tomography. <i>Journal of Structural Biology</i> , 2002, 138, 1-5.	1.3	6
144	Three-Dimensional Electron Microscopy of Mesoporous Materials—Recent Strides Towards Spatial Imaging at the Nanometer Scale. <i>ChemPhysChem</i> , 2002, 3, 776-780.	1.0	61

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145	Automated high-throughput electron tomography by pre-calibration of image shifts. <i>Journal of Microscopy</i> , 2002, 205, 187-200.	0.8	84
146	Three-Dimensional Transmission Electron Microscopic Observations of Mesopores in Dealuminated Zeolite Y. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 1102-1104.	7.2	284
147	Small cargo proteins and large aggregates can traverse the Golgi by a common mechanism without leaving the lumen of cisternae. <i>Journal of Cell Biology</i> , 2001, 155, 1225-1238.	2.3	185
148	The Supramolecular Organization of Fibrillin-Rich Microfibrils. <i>Journal of Cell Biology</i> , 2001, 152, 1045-1056.	2.3	146
149	Corneal collagen fibril structure in three dimensions: Structural insights into fibril assembly, mechanical properties, and tissue organization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 7307-7312.	3.3	218
150	Three-Dimensional Transmission Electron Microscopic Observations of Mesopores in Dealuminated Zeolite Y. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 1102-1104.	7.2	8
151	Three-Dimensional Transmission Electron Microscopic Observations of Mesopores in Dealuminated Zeolite Y Supported by NWO under grant 98037. The research of A.J.K. has been made possible by a fellowship of the Royal Netherlands Academy of Arts and Sciences (KNAW). The authors thank J. E. M. J. Raaymakers for the nitrogen physisorption measurements, A. J. M. Mens for the XPS measurements, J. A. R. van Veen and E. J. Creighton for physical data and useful discussions, and Shell International Chemicals and Zeol. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 1102-1104.	7.2	14
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