Roman I Koning

List of Publications by Year
in descending order

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58 papers	4,050 citations	136885 32 h-index	149623 56 g-index
62 all docs	62 docs citations	62 times ranked	7052 citing authors

#	Article	IF	Citations
1	Optimized Protocol for the Isolation of Extracellular Vesicles from the Parasitic Worm Schistosoma mansoni with Improved Purity, Concentration, and Yield. Journal of Immunology Research, 2022, 2022, 1-11.	0.9	4
2	Extracellular Vesicles from M1-Polarized Macrophages Combined with Hyaluronic Acid and a Î²-Blocker Potentiate Doxorubicinâ€™s Antitumor Activity by Downregulating Tumor-Associated Macrophages in Breast Cancer. Pharmaceutics, 2022, 14, 1068.	2.0	11
3	Automated vitrification of cryo-EM samples with controllable sample thickness using suction and real-time optical inspection. Nature Communications, 2022, 13, .	5.8	14
4	Intracellular Dynamic Assembly of Deepâ€Red Emitting Supramolecular Nanostructures Based on the Ptâ€¦Pt Metallophilic Interaction. Advanced Materials, 2021, 33, e2008613.	11.1	17
5	High-impact FN1 mutation decreases chondrogenic potential and affects cartilage deposition via decreased binding to collagen type II. Science Advances, 2021, 7, eabg8583.	4.7	13
6	Deubiquitinase Activity Profiling Identifies UCHL1 as a Candidate Oncoprotein That Promotes TGFÎ²-Induced Breast Cancer Metastasis. Clinical Cancer Research, 2020, 26, 1460-1473.	3.2	92
7	A molecular pore spans the double membrane of the coronavirus replication organelle. Science, 2020, 369, 1395-1398.	6.0	372
8	Automated Cryo-plunging Robot to Prepare Samples for Single Particle Analysis (SPA), Cryo-EM, Cryo-ET, Cryo-fluorescence and Cryo-CLEM. Microscopy and Microanalysis, 2020, 26, 2732-2733.	0.2	0
9	DCâ€SIGN mediated internalisation of glycosylated extracellular vesicles from Schistosoma mansoni increases activation of monocyteâ€derived dendritic cells. Journal of Extracellular Vesicles, 2020, 9, 1753420.	5.5	41
10	Graphene Liquid Cells Assembled through Loopâ€Assisted Transfer Method and Located with Correlated Lightâ€Electron Microscopy. Advanced Functional Materials, 2020, 30, 1904468.	7.8	24
11	WNT3a and WNT5a Transported by Exosomes Activate WNT Signaling Pathways in Human Cardiac Fibroblasts. International Journal of Molecular Sciences, 2019, 20, 1436.	1.8	54
12	USP32 regulates late endosomal transport and recycling through deubiquitylation of Rab7. Nature Communications, 2019, 10, 1454.	5.8	58
13	Correlative microscopy for structural microbiology. Current Opinion in Microbiology, 2018, 43, 132-138.	2.3	11
14	Structures of C1-IgG1 provide insights into how danger pattern recognition activates complement. Science, 2018, 359, 794-797.	6.0	127
15	The antimicrobial peptide SAAP-148 combats drug-resistant bacteria and biofilms. Science Translational Medicine, 2018, 10, .	5.8	358
16	Advances in cryo-electron tomography for biology and medicine. Annals of Anatomy, 2018, 217, 82-96.	1.0	80
17	Target highlights from the first postâ€PSI CASP experiment (CASP12, Mayâ€“August 2016). Proteins: Structure, Function and Bioinformatics, 2018, 86, 27-50.	1.5	11
18	Zooming in on Cell Architecture and Molecular Structures with Correlative Light and Electron Microscopy. Microscopy and Microanalysis, 2018, 24, 874-875.	0.2	0

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19	The Cell Envelope Structure of Cable Bacteria. Frontiers in Microbiology, 2018, 9, 3044.	1.5	53
20	Restricted immune activation and internalisation of anti-idiotype complexes between drug and antidrug antibodies. Annals of the Rheumatic Diseases, 2018, 77, 1471-1479.	0.5	23
21	Intradermal vaccination with hollow microneedles: A comparative study of various protein antigen and adjuvant encapsulated nanoparticles. Journal of Controlled Release, 2017, 266, 109-118.	4.8	110
22	Characterisation of the size and swelling kinetics of copolymer nano-spheres extracted from an emulsion. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 535, 265-273.	2.3	1
23	Molecular mechanism of DRP1 assembly studied in vitro by cryo-electron microscopy. PLoS ONE, 2017, 12, e0179397.	1.1	44
24	Cross-membranes orchestrate compartmentalization and morphogenesis in Streptomyces. Nature Communications, 2016, 7, ncomms11836.	5.8	49
25	Structure of AP205 Coat Protein Reveals Circular Permutation in ssRNA Bacteriophages. Journal of Molecular Biology, 2016, 428, 4267-4279.	2.0	45
26	Subcompartmentalization by cross-membranes during early growth of Streptomyces hyphae. Nature Communications, 2016, 7, 12467.	5.8	31
27	Asymmetric cryo-EM reconstruction of phage MS2 reveals genome structure in situ. Nature Communications, 2016, 7, 12524.	5.8	114
28	Multiple capsid-stabilizing interactions revealed in a high-resolution structure of an emerging picornavirus causing neonatal sepsis. Nature Communications, 2016, 7, 11387.	5.8	34
29	Cryoelectron Tomography of the NAIP5/NLRC4 Inflammasome: Implications for NLR Activation. Structure, 2015, 23, 2349-2357.	1.6	104
30	Correlative Cryo-Fluorescence Light Microscopy and Cryo-Electron Tomography of Streptomyces. Methods in Cell Biology, 2014, 124, 217-239.	0.5	31
31	Complement Is Activated by IgG Hexamers Assembled at the Cell Surface. Science, 2014, 343, 1260-1263.	6.0	602
32	MAVIS: An integrated system for live microscopy and vitrification. Ultramicroscopy, 2014, 143, 67-76.	0.8	15
33	Cryo-electron tomography analysis of membrane vesicles from Acinetobacter baumannii ATCC19606T. Research in Microbiology, 2013, 164, 397-405.	1.0	39
34	Nanofabrication of a gold fiducial array on specimen support for electron tomography. Ultramicroscopy, 2013, 135, 99-104.	0.8	2
35	Multidimensional View of the Bacterial Cytoskeleton. Journal of Bacteriology, 2013, 195, 1627-1636.	1.0	57
36	Cellular Nanoimaging by Cryo Electron Tomography. Methods in Molecular Biology, 2013, 950, 227-251.	0.4	9

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37	Enhanced, Sialoadhesin-Dependent Uptake of Guillain-BarrÃ© Syndrome-Associated Campylobacter jejuni Strains by Human Macrophages. Infection and Immunity, 2013, 81, 2095-2103.	1.0	28
38	Cryoâ€electron microscopy of extracellular vesicles in fresh plasma. Journal of Extracellular Vesicles, 2013, 2, .	5.5	198
39	Pushing the resolution limits in cryo electron tomography of biological structures. Journal of Microscopy, 2012, 248, 1-5.	0.8	54
40	Singleâ€Walled Carbon Nanotubes as Scaffolds to Concentrate DNA for the Study of DNAâ€“Protein Interactions. ChemPhysChem, 2012, 13, 1569-1575.	1.0	3
41	Ruthenium Polypyridyl Complexes Hopping at Anionic Lipid Bilayers through a Supramolecular Bond Sensitive to Visible Light. Chemistry - A European Journal, 2012, 18, 10271-10280.	1.7	33
42	A role for seipin in lipid droplet dynamics and inheritance in yeast. Journal of Cell Science, 2011, 124, 3894-3904.	1.2	121
43	Cryo-Electron Tomography of Cellular Microtubules. Methods in Cell Biology, 2010, 97, 455-473.	0.5	7
44	Tools for correlative cryo-fluorescence microscopy and cryo-electron tomography applied to whole mitochondria in human endothelial cells. European Journal of Cell Biology, 2009, 88, 669-684.	1.6	125
45	Insights into complement convertase formation based on the structure of the factor B-cobra venom factor complex. EMBO Journal, 2009, 28, 2469-2478.	3.5	61
46	Cryo-electron tomography in biology and medicine. Annals of Anatomy, 2009, 191, 427-445.	1.0	81
47	Shape and Release Control of a Peptide Decorated Vesicle through pH Sensitive Orthogonal Supramolecular Interactions. Journal of the American Chemical Society, 2009, 131, 13186-13187.	6.6	158
48	CsuA/BABCDE-dependent pili are not involved in the adherence of Acinetobacter baumannii ATCC19606T to human airway epithelial cells and their inflammatory response. Research in Microbiology, 2009, 160, 213-218.	1.0	99
49	Recycling of Aborted Ribosomal 50S Subunit-Nascent Chain-tRNA Complexes by the Heat Shock Protein Hsp15. Journal of Molecular Biology, 2009, 386, 1357-1367.	2.0	38
50	Structural characterization of Î±-lactalbumin nanotubes. Soft Matter, 2009, 5, 2020.	1.2	38
51	Cryo electron tomography of vitrified fibroblasts: Microtubule plus ends in situ. Journal of Structural Biology, 2008, 161, 459-468.	1.3	58
52	Cryo Electron Microscopy Reconstructions of the Leviviridae Unveil the Densest Icosahedral RNA Packing Possible. Journal of Molecular Biology, 2006, 363, 858-865.	2.0	42
53	Structure of the E. coli signal recognition particle bound to a translating ribosome. Nature, 2006, 444, 503-506.	13.7	126
54	Mechanism of formation of multilayered 2D crystals of the Enzyme IIC-mannitol transporter. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1663, 108-116.	1.4	6

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55	Preliminary Three-Dimensional Model of Insect Lipoprotein HDLp by Using Electron Microscopy and X-ray Crystallography. Microscopy and Microanalysis, 2004, 10, 1514-1515.	0.2	3
56	Preparation of flat carbon support films. Ultramicroscopy, 2003, 94, 183-191.	0.8	14
57	Visualization by Cryo-electron Microscopy of Genomic RNA that Binds to the Protein Capsid Inside Bacteriophage MS2. Journal of Molecular Biology, 2003, 332, 415-422.	2.0	52
58	The 5Ã¥projection structure of the transmembrane domain of the mannitol transporter enzyme II. Journal of Molecular Biology, 1999, 287, 845-851.	2.0	45