

Chan-Gi Pack

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

3,262
citations

201385

27
h-index

168136

53
g-index

95
all docs

95
docs citations

95
times ranked

4995
citing authors

#	ARTICLE	IF	CITATIONS
1	The A- and B-type nuclear lamin networks: microdomains involved in chromatin organization and transcription. <i>Genes and Development</i> , 2008, 22, 3409-3421.	2.7	433
2	Cytosolic chaperonin prevents polyglutamine toxicity with altering the aggregation state. <i>Nature Cell Biology</i> , 2006, 8, 1163-1169.	4.6	252
3	Exosomal PD-L1 promotes tumor growth through immune escape in non-small cell lung cancer. <i>Experimental and Molecular Medicine</i> , 2019, 51, 1-13.	3.2	194
4	Local Nucleosome Dynamics Facilitate Chromatin Accessibility in Living Mammalian Cells. <i>Cell Reports</i> , 2012, 2, 1645-1656.	2.9	175
5	Interphase phosphorylation of lamin A. <i>Journal of Cell Science</i> , 2014, 127, 2683-96.	1.2	134
6	Advances in Analysis of Biodistribution of Exosomes by Molecular Imaging. <i>International Journal of Molecular Sciences</i> , 2020, 21, 665.	1.8	131
7	Microenvironment and Effect of Energy Depletion in the Nucleus Analyzed by Mobility of Multiple Oligomeric EGFPs. <i>Biophysical Journal</i> , 2006, 91, 3921-3936.	0.2	126
8	Quantitative live-cell imaging reveals spatio-temporal dynamics and cytoplasmic assembly of the 26S proteasome. <i>Nature Communications</i> , 2014, 5, 3396.	5.8	111
9	Deep Tumor Penetration of Drug-Loaded Nanoparticles by Click Reaction-Assisted Immune Cell Targeting Strategy. <i>Journal of the American Chemical Society</i> , 2019, 141, 13829-13840.	6.6	88
10	Reciprocal interaction with G-actin and tropomyosin is essential for aquaporin-2 trafficking. <i>Journal of Cell Biology</i> , 2008, 182, 587-601.	2.3	86
11	Estrogen-related receptor gamma functions as a tumor suppressor in gastric cancer. <i>Nature Communications</i> , 2018, 9, 1920.	5.8	85
12	The regulator of the F1 motor: inhibition of rotation of cyanobacterial F1-ATPase by the ϵ subunit. <i>EMBO Journal</i> , 2006, 25, 4596-4604.	3.5	74
13	In vivo evidence for the fibrillar structures of Sup35 prions in yeast cells. <i>Journal of Cell Biology</i> , 2010, 190, 223-231.	2.3	65
14	Protective role of endogenous plasmalogens against hepatic steatosis and steatohepatitis in mice. <i>Hepatology</i> , 2017, 66, 416-431.	3.6	61
15	Extracellular vesicle-derived DNA for performing EGFR genotyping of NSCLC patients. <i>Molecular Cancer</i> , 2018, 17, 15.	7.9	57
16	In vivo stepwise immunomodulation using chitosan nanoparticles as a platform nanotechnology for cancer immunotherapy. <i>Scientific Reports</i> , 2016, 6, 38348.	1.6	55
17	Proteome-wide discovery of mislocated proteins in cancer. <i>Genome Research</i> , 2013, 23, 1283-1294.	2.4	49
18	Dynamics of yeast prion aggregates in single living cells. <i>Genes To Cells</i> , 2006, 11, 1085-1096.	0.5	46

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19	Analysis of interaction between chaperonin GroEL and its substrate using fluorescence correlation spectroscopy. <i>Cytometry</i> , 1999, 36, 247-253.	1.8	45
20	Flexible and dynamic nucleosome fiber in living mammalian cells. <i>Nucleus</i> , 2013, 4, 349-356.	0.6	42
21	RNA-binding protein NONO contributes to cancer cell growth and confers drug resistance as a theranostic target in TNBC. <i>Theranostics</i> , 2020, 10, 7974-7992.	4.6	42
22	Mesenchymal stem cells prevent the progression of diabetic nephropathy by improving mitochondrial function in tubular epithelial cells. <i>Experimental and Molecular Medicine</i> , 2019, 51, 1-14.	3.2	39
23	Label-free high-resolution 3-D imaging of gold nanoparticles inside live cells using optical diffraction tomography. <i>Methods</i> , 2018, 136, 160-167.	1.9	38
24	Effect of Electrostatic Interactions on the Binding of Charged Substrate to GroEL Studied by Highly Sensitive Fluorescence Correlation Spectroscopy. <i>Biochemical and Biophysical Research Communications</i> , 2000, 267, 300-304.	1.0	36
25	A novel sphingomyelin/cholesterol domain-specific probe reveals the dynamics of the membrane domains during virus release and in Niemann-Pick type C. <i>FASEB Journal</i> , 2017, 31, 1301-1322.	0.2	34
26	Transient Acceleration of Epidermal Growth Factor Receptor Dynamics Produces Higher-Order Signaling Clusters. <i>Journal of Molecular Biology</i> , 2018, 430, 1386-1401.	2.0	34
27	Single mother-daughter pair analysis to clarify the diffusion properties of yeast prion Sup35 in guanidine-HCl-treated [<i>PSI⁺</i>] cells. <i>Genes To Cells</i> , 2009, 14, 1045-1054.	0.5	32
28	Fluorescence correlation spectroscopy analysis of the hydrophobic interactions of protein 4.1 with phosphatidyl serine liposomes. <i>Biophysical Chemistry</i> , 1999, 82, 149-155.	1.5	29
29	Exosomal miR-1260b derived from non-small cell lung cancer promotes tumor metastasis through the inhibition of HIPK2. <i>Cell Death and Disease</i> , 2021, 12, 747.	2.7	29
30	Dynamic and coordinated single-molecular interactions at TM4SF5-enriched microdomains guide invasive behaviors in 2- and 3-dimensional environments. <i>FASEB Journal</i> , 2017, 31, 1461-1481.	0.2	26
31	Cortical Polarity of the RING Protein PAR-2 Is Maintained by Exchange Rate Kinetics at the Cortical-Cytoplasmic Boundary. <i>Cell Reports</i> , 2016, 16, 2156-2168.	2.9	25
32	Fecal microbiota transplantation ameliorates atherosclerosis in mice with C1q/TNF-related protein 9 genetic deficiency. <i>Experimental and Molecular Medicine</i> , 2022, 54, 103-114.	3.2	25
33	Light-Induced Fluorescence Modulation of Quantum Dot-Crystal Violet Conjugates: Stochastic Off-On-Off Cycles for Multicolor Patterning and Super-Resolution. <i>Journal of the American Chemical Society</i> , 2017, 139, 7603-7615.	6.6	24
34	Physicochemical Properties of Nucleoli in Live Cells Analyzed by Label-Free Optical Diffraction Tomography. <i>Cells</i> , 2019, 8, 699.	1.8	24
35	Assembly of protein complexes restricts diffusion of Wnt3a proteins. <i>Communications Biology</i> , 2018, 1, 165.	2.0	23
36	Live cell single-molecule detection in systems biology. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2012, 4, 183-192.	6.6	21

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37	Heat shock instructs hESCs to exit from the self-renewal program through negative regulation of OCT4 by SAPK/JNK and HSF1 pathway. <i>Stem Cell Research</i> , 2013, 11, 1323-1334.	0.3	21
38	Photosystem II antenna phosphorylation-dependent protein diffusion determined by fluorescence correlation spectroscopy. <i>Scientific Reports</i> , 2013, 3, 2833.	1.6	20
39	Mitotic Chromosomes in Live Cells Characterized Using High-Speed and Label-Free Optical Diffraction Tomography. <i>Cells</i> , 2019, 8, 1368.	1.8	20
40	Interaction of a Small Heat Shock Protein of the Fission Yeast, <i>Schizosaccharomyces pombe</i> , with a Denatured Protein at Elevated Temperature. <i>Journal of Biological Chemistry</i> , 2005, 280, 32586-32593.	1.6	19
41	Dynamic and unique nucleolar microenvironment revealed by fluorescence correlation spectroscopy. <i>FASEB Journal</i> , 2015, 29, 837-848.	0.2	19
42	Single-particle tracking of quantum dot-conjugated prion proteins inside yeast cells. <i>Biochemical and Biophysical Research Communications</i> , 2011, 405, 638-643.	1.0	18
43	Characterization of the Triplet State of Hybridization-Sensitive DNA Probe by Using Fluorescence Correlation Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2013, 117, 27-33.	1.1	18
44	Fabrication of a silver particle-integrated silicone polymer-covered metal stent against sludge and biofilm formation and stent-induced tissue inflammation. <i>Scientific Reports</i> , 2016, 6, 35446.	1.6	18
45	Optimization of ZnO Nanorod-Based Surface Enhanced Raman Scattering Substrates for Bio-Applications. <i>Nanomaterials</i> , 2019, 9, 447.	1.9	18
46	Apolipoprotein E-mediated regulation of selenoprotein P transportation via exosomes. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 2367-2386.	2.4	17
47	An aniline bearing hemicyanine derivative serves as a mitochondria selective probe. <i>Dyes and Pigments</i> , 2017, 136, 467-472.	2.0	16
48	[PSI ⁺] aggregate enlargement in <i>rnq1</i> nonprion domain mutants, leading to a loss of prion in yeast. <i>Genes To Cells</i> , 2011, 16, 576-589.	0.5	15
49	Microenvironments and different nanoparticle dynamics in living cells revealed by a standard nanoparticle. <i>Journal of Controlled Release</i> , 2012, 163, 315-321.	4.8	14
50	Quantitative analyses reveal extracellular dynamics of Wnt ligands in <i>Xenopus</i> embryos. <i>ELife</i> , 2021, 10, .	2.8	14
51	Safety and efficacy of a metal stent covered with a silicone membrane containing integrated silver particles in preventing biofilm and sludge formation in endoscopic drainage of malignant biliary obstruction: a phase 2 pilot study. <i>Gastrointestinal Endoscopy</i> , 2019, 90, 663-672.e2.	0.5	13
52	ADAR1 Suppresses Interferon Signaling in Gastric Cancer Cells by MicroRNA-302a-Mediated IRF9/STAT1 Regulation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6195.	1.8	13
53	miR-351-5p/Miro2 axis contributes to hippocampal neural progenitor cell death via unbalanced mitochondrial fission. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 23, 643-656.	2.3	13
54	Combinatory RNA-Sequencing Analyses Reveal a Dual Mode of Gene Regulation by ADAR1 in Gastric Cancer. <i>Digestive Diseases and Sciences</i> , 2018, 63, 1835-1850.	1.1	12

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55	Global analysis of protein homomerization in <i>Saccharomyces cerevisiae</i> . <i>Genome Research</i> , 2019, 29, 135-145.	2.4	12
56	Characterizing Organelles in Live Stem Cells Using Label-Free Optical Diffraction Tomography. <i>Molecules and Cells</i> , 2021, 44, 851-860.	1.0	10
57	Diffusion analysis of glucocorticoid receptor and antagonist effect in living cell nucleus. <i>Experimental and Molecular Pathology</i> , 2007, 82, 163-168.	0.9	9
58	Analysis of Quantum Rod Diffusion by Polarized Fluorescence Correlation Spectroscopy. <i>Journal of Fluorescence</i> , 2014, 24, 1371-1378.	1.3	8
59	Analyses of the Dynamic Properties of Nuclear Lamins by Fluorescence Recovery After Photobleaching (FRAP) and Fluorescence Correlation Spectroscopy (FCS). <i>Methods in Molecular Biology</i> , 2016, 1411, 99-111.	0.4	8
60	Detection of substrate binding of a collagen-specific molecular chaperone HSP47 in solution using fluorescence correlation spectroscopy. <i>Biochemical and Biophysical Research Communications</i> , 2018, 497, 279-284.	1.0	8
61	A bipolar functionality of Q/N-rich proteins: Lsm4 amyloid causes clearance of yeast prions. <i>MicrobiologyOpen</i> , 2013, 2, 415-430.	1.2	7
62	Heat shock-induced interactions among nuclear HSFs detected by fluorescence cross-correlation spectroscopy. <i>Biochemical and Biophysical Research Communications</i> , 2015, 463, 303-308.	1.0	7
63	Diagnosis in a Preclinical Model of Bladder Pain Syndrome Using a Au/ZnO Nanorod-based SERS Substrate. <i>Nanomaterials</i> , 2019, 9, 224.	1.9	7
64	Heterogeneous interaction network of yeast prions and remodeling factors detected in live cells. <i>BMB Reports</i> , 2017, 50, 478-483.	1.1	7
65	Label-free imaging and evaluation of characteristic properties of asthma-derived eosinophils using optical diffraction tomography. <i>Biochemical and Biophysical Research Communications</i> , 2022, 587, 42-48.	1.0	7
66	Radiationless deactivation of hybridization-sensitive DNA probe. <i>Journal of Luminescence</i> , 2012, 132, 2566-2571.	1.5	6
67	The interaction of Hsp104 with yeast prion Sup35 as analyzed by fluorescence cross-correlation spectroscopy. <i>Biochemical and Biophysical Research Communications</i> , 2013, 442, 28-32.	1.0	6
68	Novel Compound Heterozygote Mutation in <i>IL10RA</i> in a Patient With Very Early-Onset Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2019, 25, 498-509.	0.9	6
69	Yeast beta-glucan mediates histone deacetylase 5-induced angiogenesis in vascular endothelial cells. <i>International Journal of Biological Macromolecules</i> , 2022, 211, 556-567.	3.6	6
70	Integrative microendoscopic system combined with conventional microscope for live animal tissue imaging. <i>Journal of Biophotonics</i> , 2018, 11, e201800206.	1.1	5
71	Variably Sized and Multi-Colored Silica-Nanoparticles Characterized by Fluorescence Correlation Methods for Cellular Dynamics. <i>Materials</i> , 2021, 14, 19.	1.3	5
72	Diffusion Coefficients of CdSe/CdS Quantum Rods in Water Measured Using Polarized Fluorescence Correlation Spectroscopy. <i>Journal of the Optical Society of Korea</i> , 2014, 18, 598-604.	0.6	5

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73	SERS Effect on Spin-Coated Seeding of Tilted Au-ZnO Nanorods for Low-Cost Diagnosis. <i>Materials</i> , 2020, 13, 5321.	1.3	4
74	Confocal Laser Scanning Microscopy and Fluorescence Correlation Methods for the Evaluation of Molecular Interactions. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1310, 1-30.	0.8	4
75	Interpretation of XIAP Variants of Uncertain Significance in Paediatric Patients with Refractory Crohn's Disease. <i>Journal of Crohn's and Colitis</i> , 2021, 15, 1291-1304.	0.6	4
76	FTIR study of the surface-ligand exchange reaction with glutathione on biocompatible rod-shaped CdSe/CdS semiconductor nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 13356-13364.	1.3	4
77	Application of quantitative cell imaging using label-free optical diffraction tomography. <i>Biophysics and Physicobiology</i> , 2021, 18, 244-253.	0.5	3
78	Smart Vitamin Micelles as Cancer Nanomedicines for Enhanced Intracellular Delivery of Doxorubicin. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11298.	1.8	3
79	Use of Engineered Nanoparticle-Based Fluorescence Methods for Live-Cell Phenomena. , 2014, , 153-169.		2
80	Large-scale analysis of diffusional dynamics of proteins in living yeast cells using fluorescence correlation spectroscopy. <i>Biochemical and Biophysical Research Communications</i> , 2019, 520, 237-242.	1.0	2
81	SLAC2B-dependent microtubule acetylation regulates extracellular matrix-mediated intracellular TM4SF5 traffic to the plasma membranes. <i>FASEB Journal</i> , 2021, 35, e21369.	0.2	2
82	Phosphorescence decay time measurements using intensity correlation spectroscopy. <i>Experimental and Molecular Pathology</i> , 2007, 82, 175-183.	0.9	1
83	Clearance of yeast eRF-3 prion [PSI ⁺] by amyloid enlargement due to the imbalance between chaperone Ssa1 and cochaperone Sgt2. <i>Translation</i> , 2013, 1, e26574.	2.9	1
84	Correlative Light and Electron Microscopy for Nanoparticle-Cell Interaction and Protein Localization. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1310, 115-132.	0.8	1
85	Immuno-gold Techniques in Biomedical Sciences. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1310, 133-152.	0.8	1
86	1P346 Oxygen concentration measurements by a phosphorescence intensity correlation method(New) Tj ETQq 0 0 rgBT /Overlock 10	0.0	0
87	Peptide sequences converting polyglutamine into a prion in yeast. <i>FEBS Journal</i> , 2015, 282, 477-490.	2.2	0
88	Poly(A) ⁺ Sensing of Hybridization-Sensitive Fluorescent Oligonucleotide Probe Characterized by Fluorescence Correlation Methods. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6433.	1.8	0
89	Mobility of Nucleostemin in Live Cells Is Specifically Related to Transcription Inhibition by Actinomycin D and GTP-Binding Motif. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8293.	1.8	0
90	Application of Quantitative Cell Imaging Using Label-free Optical Diffraction Tomography. <i>Seibutsu Butsuri</i> , 2020, 60, 352-355.	0.0	0