

# Geen-Dong Chang

## List of Publications by Year in descending order

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58  
papers

2,107  
citations

257450

24  
h-index

243625

44  
g-index

58  
all docs

58  
docs citations

58  
times ranked

2992  
citing authors

#	ARTICLE	IF	CITATIONS
1	GCMa Regulates the Syncytin-mediated Trophoblastic Fusion. <i>Journal of Biological Chemistry</i> , 2002, 277, 50062-50068.	3.4	244
2	White Spot Syndrome Virus Induces Metabolic Changes Resembling the Warburg Effect in Shrimp Hemocytes in the Early Stage of Infection. <i>Journal of Virology</i> , 2011, 85, 12919-12928.	3.4	167
3	An Invertebrate Warburg Effect: A Shrimp Virus Achieves Successful Replication by Altering the Host Metabolome via the PI3K-Akt-mTOR Pathway. <i>PLoS Pathogens</i> , 2014, 10, e1004196.	4.7	141
4	Functional Characterization of the Human Placental Fusogenic Membrane Protein Syncytin 21. <i>Biology of Reproduction</i> , 2008, 79, 815-823.	2.7	108
5	Histone deacetylase 3 binds to and regulates the GCMa transcription factor. <i>Nucleic Acids Research</i> , 2006, 34, 1459-1469.	14.5	74
6	Endocytic pathway is required for <i>Drosophila</i> Toll innate immune signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 8322-8327.	7.1	74
7	Dietary flavonoids, luteolin and quercetin, inhibit invasion of cervical cancer by reduction of UBE2S through epithelial-mesenchymal transition signaling. <i>Food and Function</i> , 2017, 8, 1558-1568.	4.6	65
8	Functional Characterization of the Placental Fusogenic Membrane Protein Syncytin1. <i>Biology of Reproduction</i> , 2004, 71, 1956-1962.	2.7	64
9	Early detection of antibodies against various structural proteins of the SARS-associated coronavirus in SARS patients. <i>Journal of Biomedical Science</i> , 2004, 11, 117-126.	7.0	54
10	Targeting Endoplasmic Reticulum Stress and Akt with OSU-03012 and Gefitinib or Erlotinib to Overcome Resistance to Epidermal Growth Factor Receptor Inhibitors. <i>Cancer Research</i> , 2008, 68, 2820-2830.	0.9	54
11	Potential role of follicle-stimulating hormone (FSH) and transforming growth factor (TGF $\beta$ 1) in the regulation of ovarian angiogenesis. <i>Journal of Cellular Physiology</i> , 2011, 226, 1608-1619.	4.1	54
12	Dietary Flavonoids Luteolin and Quercetin Suppressed Cancer Stem Cell Properties and Metastatic Potential of Isolated Prostate Cancer Cells. <i>Anticancer Research</i> , 2016, 36, 6367-6380.	1.1	53
13	Role of tissue transglutaminase 2 in the acquisition of a mesenchymal-like phenotype in highly invasive A431 tumor cells. <i>Molecular Cancer</i> , 2011, 10, 87.	19.2	52
14	Improvement of glycosylation in insect cells with mammalian glycosyltransferases. <i>Journal of Biotechnology</i> , 2003, 102, 61-71.	3.8	47
15	Thiazolidinediones Modulate the Expression of $\beta$ -Catenin and Other Cell-Cycle Regulatory Proteins by Targeting the F-Box Proteins of Skp1-Cul1-F-box Protein E3 Ubiquitin Ligase Independently of Peroxisome Proliferator-Activated Receptor $\beta$ . <i>Molecular Pharmacology</i> , 2007, 72, 725-733.	2.3	47
16	FBW2 Targets GCMa to the Ubiquitin-Proteasome Degradation System. <i>Journal of Biological Chemistry</i> , 2005, 280, 10083-10090.	3.4	45
17	A Novel Cyclic AMP/Epac1/CaMKI Signaling Cascade Promotes GCM1 Desumoylation and Placental Cell Fusion. <i>Molecular and Cellular Biology</i> , 2011, 31, 3820-3831.	2.3	44
18	Cyclosporin A Disrupts Bradykinin Signaling Through Superoxide. <i>Hypertension</i> , 2003, 41, 1136-1142.	2.7	39

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19	Identification of in Vivo Phosphorylation Sites and Their Functional Significance in the Sodium Iodide Symporter. <i>Journal of Biological Chemistry</i> , 2007, 282, 36820-36828.	3.4	32
20	Up-regulation of fibronectin and tissue transglutaminase promotes cell invasion involving increased association with integrin and MMP expression in A431 cells. <i>Anticancer Research</i> , 2010, 30, 4177-86.	1.1	32
21	Purification and Cloning of Carp Nephrosin, a Secreted Zinc Endopeptidase of the Astacin Family. <i>Journal of Biological Chemistry</i> , 1997, 272, 13772-13778.	3.4	28
22	Dual-specificity phosphatase 23 mediates GCM1 dephosphorylation and activation. <i>Nucleic Acids Research</i> , 2011, 39, 848-861.	14.5	27
23	Quantitative and comparative liquid chromatography-electrospray ionization-mass spectrometry analyses of hydrogen sulfide and thiol metabolites derivatized with 2-iodoacetanilide isotopologues. <i>Journal of Chromatography A</i> , 2018, 1552, 43-52.	3.7	27
24	Activation of Akt by Advanced Glycation End Products (AGEs): Involvement of IGF-1 Receptor and Caveolin-1. <i>PLoS ONE</i> , 2013, 8, e58100.	2.5	26
25	Methylglyoxal in cells elicits a negative feedback loop entailing transglutaminase 2 and glyoxalase 1. <i>Redox Biology</i> , 2014, 2, 196-205.	9.0	25
26	Purification and Cloning of an Endogenous Protein Inhibitor of Carp Nephrosin, an Astacin Metalloproteinase. <i>Journal of Biological Chemistry</i> , 2004, 279, 11146-11155.	3.4	24
27	A multi-omic analysis reveals the role of fumarate in regulating the virulence of enterohemorrhagic <i>Escherichia coli</i> . <i>Cell Death and Disease</i> , 2018, 9, 381.	6.3	24
28	PTPN3 suppresses lung cancer cell invasiveness by counteracting Src-mediated DAAM1 activation and actin polymerization. <i>Oncogene</i> , 2019, 38, 7002-7016.	5.9	24
29	Simultaneous immunoblotting analysis with activity gel electrophoresis in a single polyacrylamide gel. <i>Electrophoresis</i> , 2001, 22, 1894-1899.	2.4	23
30	White Spot Syndrome Virus Protein Kinase 1 Defeats the Host Cell's Iron-Withholding Defense Mechanism by Interacting with Host Ferritin. <i>Journal of Virology</i> , 2015, 89, 1083-1093.	3.4	22
31	Quantitative Proteomics Analysis Reveals the Min System of <i>Escherichia coli</i> Modulates Reversible Protein Association with the Inner Membrane. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1572-1583.	3.8	22
32	Involvement of Epac1/Rap1/CaMKI/HDAC5 signaling cascade in the regulation of placental cell fusion. <i>Molecular Human Reproduction</i> , 2013, 19, 745-755.	2.8	21
33	Phosphorylation of mRNA Decapping Protein Dcp1a by the ERK Signaling Pathway during Early Differentiation of 3T3-L1 Preadipocytes. <i>PLoS ONE</i> , 2013, 8, e61697.	2.5	21
34	<i>Penaeus monodon</i> Thioredoxin Restores the DNA Binding Activity of Oxidized White Spot Syndrome Virus IE1. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 914-926.	5.4	19
35	Tristetraprolin Inhibits Poly(A)-Tail Synthesis in Nuclear mRNA that Contains AU-Rich Elements by Interacting with Poly(A)-Binding Protein Nuclear 1. <i>PLoS ONE</i> , 2012, 7, e41313.	2.5	19
36	S-nitrosylation of endogenous protein tyrosine phosphatases in endothelial insulin signaling. <i>Free Radical Biology and Medicine</i> , 2016, 99, 199-213.	2.9	18

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37	Functional antagonism between $\hat{P}^{63}$ and GCM1 regulates human trophoblast stemness and differentiation. <i>Nature Communications</i> , 2022, 13, 1626.	12.8	17
38	A Protease Inhibitor of the Serpin Family Is a Major Protein in Carp Perimeningeal Fluid: II. cDNA Cloning, Sequence Analysis, and <i>Escherichia coli</i> Expression. <i>Journal of Neurochemistry</i> , 1995, 64, 1721-1727.	3.9	16
39	Quantitative liquid chromatography-electrospray ionization-mass spectrometry analysis of amine-containing metabolites derivatized with cyanuric chloride and methylamine isotopologues. <i>Journal of Chromatography A</i> , 2015, 1388, 60-68.	3.7	16
40	Afatinib Exerts Immunomodulatory Effects by Targeting the Pyrimidine Biosynthesis Enzyme CAD. <i>Cancer Research</i> , 2021, 81, 3270-3282.	0.9	16
41	Cyclophilin A Functions as an Endogenous Inhibitor for Membrane-Bound Guanylate Cyclase-A. <i>Hypertension</i> , 2004, 44, 963-968.	2.7	15
42	Phosphorylation of the Zebrafish M6Ab at Serine 263 Contributes to Filopodium Formation in PC12 Cells and Neurite Outgrowth in Zebrafish Embryos. <i>PLoS ONE</i> , 2011, 6, e26461.	2.5	15
43	Uncovering protein polyamination by the spermine-specific antiserum and mass spectrometric analysis. <i>Amino Acids</i> , 2015, 47, 469-481.	2.7	15
44	New insights into the regulation of placental growth factor gene expression by the transcription factors GCM1 and DLX3 in human placenta. <i>Journal of Biological Chemistry</i> , 2018, 293, 9801-9811.	3.4	15
45	Development of Novel Irreversible Pyruvate Kinase M2 Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 8497-8510.	6.4	15
46	A Protease Inhibitor of the Serpin Family Is a Major Protein in Carp Perimeningeal Fluid: I. Protein Purification and Characterization. <i>Journal of Neurochemistry</i> , 2002, 64, 1715-1720.	3.9	14
47	Hyperglycemia and advanced glycation end products (AGEs) suppress the differentiation of 3T3-L1 preadipocytes. <i>Oncotarget</i> , 2017, 8, 55039-55050.	1.8	14
48	Zebrafish Dkk3a Protein Regulates the Activity of myf5 Promoter through Interaction with Membrane Receptor Integrin $\hat{I}6b$ . <i>Journal of Biological Chemistry</i> , 2012, 287, 40031-40042.	3.4	13
49	Differential Expression and Functional Analysis of the Tristetraprolin Family during Early Differentiation of 3T3-L1 Preadipocytes. <i>International Journal of Biological Sciences</i> , 2012, 8, 761-777.	6.4	12
50	Electrolytic Reduction: Modification of Proteins Occurring in Isoelectric Focusing Electrophoresis and in Electrolytic Reactions in the Presence of High Salts. <i>Analytical Chemistry</i> , 2009, 81, 3957-3964.	6.5	10
51	Antibody-assisted target identification reveals afatinib, an EGFR covalent inhibitor, down-regulating ribonucleotide reductase. <i>Oncotarget</i> , 2018, 9, 21512-21529.	1.8	10
52	Proteomic Identification of a Novel Hsp90-Containing Protein-Mineral Complex Which Can Be Induced in Cells in Response to Massive Calcium Influx. <i>Journal of Proteome Research</i> , 2012, 11, 3160-3174.	3.7	9
53	Separation of subunits of pike eel gonadotropin by hydrophobic interaction chromatography. <i>Journal of Chromatography A</i> , 1981, 215, 229-233.	3.7	7
54	Quantitative display of the redox status of proteins with maleimide-polyethylene glycol tagging. <i>Electrophoresis</i> , 2019, 40, 491-498.	2.4	6

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55	Target identification reveals protein arginine methyltransferase 1 is a potential target of phenyl vinyl sulfone and its derivatives. <i>Bioscience Reports</i> , 2018, 38, .	2.4	5
56	Biochemical Regulation of the Glyoxalase System in Response to Insulin Signaling. <i>Antioxidants</i> , 2021, 10, 326.	5.1	5
57	Enrichment of Metabolite-Binding Proteins by Affinity Elution in Tandem Hydrophobic Interaction Chromatography (AETHIC) Reveals RKIP Regulating ERK Signaling in an ATP-Dependent Manner. <i>Journal of Proteome Research</i> , 2016, 15, 3574-3584.	3.7	2
58	Involvement of protein tyrosine phosphatase SHP-1 in the inhibition of membrane-bound guanylate cyclase GC-A activity stimulated by atrial natriuretic factor. <i>FASEB Journal</i> , 2007, 21, A797.	0.5	0