

Pradipta Ghosh

List of Publications by Year in descending order

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104
papers

3,474
citations

136950

32
h-index

189892

50
g-index

133
all docs

133
docs citations

133
times ranked

4795
citing authors

#	ARTICLE	IF	CITATIONS
1	GIV is a nonreceptor GEF for G α i with a unique motif that regulates Akt signaling. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3178-3183.	7.1	173
2	A G α i β GIV Molecular Complex Binds Epidermal Growth Factor Receptor and Determines Whether Cells Migrate or Proliferate. Molecular Biology of the Cell, 2010, 21, 2338-2354.	2.1	148
3	Activation of G α i3 triggers cell migration via regulation of GIV. Journal of Cell Biology, 2008, 182, 381-393.	5.2	140
4	A GDI (AGS3) and a GEF (GIV) regulate autophagy by balancing G protein activity and growth factor signals. Molecular Biology of the Cell, 2011, 22, 673-686.	2.1	111
5	Daple is a novel non-receptor GEF required for trimeric G protein activation in Wnt signaling. ELife, 2015, 4, e07091.	6.0	104
6	Genome-wide mutational landscape of mucinous carcinomatosis peritonei of appendiceal origin. Genome Medicine, 2014, 6, 43.	8.2	94
7	GIV/Girdin is a central hub for profibrogenic signalling networks during liver fibrosis. Nature Communications, 2014, 5, 4451.	12.8	84
8	Drug repurposing screens identify chemical entities for the development of COVID-19 interventions. Nature Communications, 2021, 12, 3309.	12.8	81
9	Tyrosine Phosphorylation of the G α i-Interacting Protein GIV Promotes Activation of Phosphoinositide 3-Kinase During Cell Migration. Science Signaling, 2011, 4, ra64.	3.6	78
10	A Structural Determinant That Renders G α i Sensitive to Activation by GIV/Girdin Is Required to Promote Cell Migration. Journal of Biological Chemistry, 2010, 285, 12765-12777.	3.4	77
11	GIV/Girdin Transmits Signals from Multiple Receptors by Triggering Trimeric G Protein Activation. Journal of Biological Chemistry, 2015, 290, 6697-6704.	3.4	75
12	Near-Infrared Light-Activated DNA-Agonist Nanodevice for Nongenetically and Remotely Controlled Cellular Signaling and Behaviors in Live Animals. Nano Letters, 2019, 19, 2603-2613.	9.1	69
13	Expression of GIV/Girdin, a metastasis-related protein, predicts patient survival in colon cancer. FASEB Journal, 2011, 25, 590-599.	0.5	68
14	Adult stem cell-derived complete lung organoid models emulate lung disease in COVID-19. ELife, 2021, 10, .	6.0	64
15	The Alzheimer's disease-protective CD33 splice variant mediates adaptive loss of function via diversion to an intracellular pool. Journal of Biological Chemistry, 2017, 292, 15312-15320.	3.4	63
16	TLR4 signaling and macrophage inflammatory responses are dampened by GIV/Girdin. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26895-26906.	7.1	57
17	The PVT1 lncRNA is a novel epigenetic enhancer of MYC, and a promising risk-stratification biomarker in colorectal cancer. Molecular Cancer, 2020, 19, 155.	19.2	56
18	Structural basis for activation of trimeric Gi proteins by multiple growth factor receptors via GIV/Girdin. Molecular Biology of the Cell, 2014, 25, 3654-3671.	2.1	54

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19	Cyclin-dependent kinase 5 activates guanine nucleotide exchange factor GIV/Girdin to orchestrate migration–proliferation dichotomy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4874-83.	7.1	52
20	GIV/Girdin is a rheostat that fine-tunes growth factor signals during tumor progression. <i>Cell Adhesion and Migration</i> , 2011, 5, 237-248.	2.7	51
21	Functional characterization of the guanine nucleotide exchange factor (GEF) motif of GIV protein reveals a threshold effect in signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1961-1966.	7.1	51
22	Heterotrimeric G protein signaling via GIV/Girdin: Breaking the rules of engagement, space, and time. <i>BioEssays</i> , 2016, 38, 379-393.	2.5	49
23	G Protein Binding Sites on Calnuc (Nucleobindin 1) and NUCB2 (Nucleobindin 2) Define a New Class of G β -regulatory Motifs. <i>Journal of Biological Chemistry</i> , 2011, 286, 28138-28149.	3.4	47
24	Activation of G β at the Golgi by GIV/Girdin Imposes Finiteness in Arf1 Signaling. <i>Developmental Cell</i> , 2015, 33, 189-203.	7.0	46
25	Enhanced mitochondrial fission suppresses signaling and metastasis in triple-negative breast cancer. <i>Breast Cancer Research</i> , 2020, 22, 60.	5.0	46
26	Multimodular biosensors reveal a novel platform for activation of G proteins by growth factor receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E937-46.	7.1	45
27	GIV/Girdin Links Vascular Endothelial Growth Factor Signaling to Akt Survival Signaling in Podocytes Independent of Nephrin. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 314-327.	6.1	44
28	Peritoneal Mice Implicated in Intestinal Obstruction. <i>Journal of Clinical Gastroenterology</i> , 2006, 40, 427-430.	2.2	43
29	Structural basis for GPCR-independent activation of heterotrimeric G β proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16394-16403.	7.1	43
30	Prognostic Impact of Modulators of G proteins in Circulating Tumor Cells from Patients with Metastatic Colorectal Cancer. <i>Scientific Reports</i> , 2016, 6, 22112.	3.3	42
31	AMP-activated protein kinase fortifies epithelial tight junctions during energetic stress via its effector GIV/Girdin. <i>ELife</i> , 2016, 5, .	6.0	41
32	The GAPs, GEFs, GDIs and now, GEMs: New kids on the heterotrimeric G protein signaling block. <i>Cell Cycle</i> , 2017, 16, 607-612.	2.6	40
33	Host engulfment pathway controls inflammation in inflammatory bowel disease. <i>FEBS Journal</i> , 2020, 287, 3967-3988.	4.7	40
34	Heterotrimeric G proteins as emerging targets for network based therapy in cancer: End of a long futile campaign striking heads of a Hydra. <i>Aging</i> , 2015, 7, 469-474.	3.1	39
35	AI-guided discovery of the invariant host response to viral pandemics. <i>EBioMedicine</i> , 2021, 68, 103390.	6.1	37
36	Artificial intelligence guided discovery of a barrier-protective therapy in inflammatory bowel disease. <i>Nature Communications</i> , 2021, 12, 4246.	12.8	37

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37	An Artificial Intelligence-guided signature reveals the shared host immune response in MIS-C and Kawasaki disease. <i>Nature Communications</i> , 2022, 13, 2687.	12.8	37
38	E-cigarettes compromise the gut barrier and trigger inflammation. <i>Science</i> , 2021, 24, 102035.	4.1	36
39	Protein kinase C-theta (PKC θ) phosphorylates and inhibits the guanine exchange factor, GIV/Girdin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 5510-5515.	7.1	35
40	Therapeutic effects of cell-permeant peptides that activate G proteins downstream of growth factors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E2602-10.	7.1	35
41	<i>Helicobacter pylori</i> infection downregulates the DNA glycosylase NEIL2, resulting in increased genome damage and inflammation in gastric epithelial cells. <i>Journal of Biological Chemistry</i> , 2020, 295, 11082-11098.	3.4	35
42	Src Homology Domain 2-containing Protein-tyrosine Phosphatase-1 (SHP-1) Binds and Dephosphorylates G β -interacting, Vesicle-associated Protein (GIV)/Girdin and Attenuates the GIV-Phosphatidylinositol 3-Kinase (PI3K)-Akt Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2011, 286, 32404-32415.	3.4	34
43	Anticancer effect of nor-wogonin (5, 7, 8-trihydroxyflavone) on human triple-negative breast cancer cells via downregulation of TAK1, NF- κ B, and STAT3. <i>Pharmacological Reports</i> , 2019, 71, 289-298.	3.3	34
44	GIV/Girdin activates G β i and inhibits G β s via the same motif. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5721-30.	7.1	33
45	Parsing the Role of PPARs in Macrophage Processes. <i>Frontiers in Immunology</i> , 2021, 12, 783780.	4.8	32
46	Immunosuppression of Macrophages Underlies the Cardioprotective Effects of CST (Catestatin). <i>Hypertension</i> , 2021, 77, 1670-1682.	2.7	31
47	The DNA Glycosylase NEIL2 Suppresses Fusobacterium-Infection-Induced Inflammation and DNA Damage in Colonic Epithelial Cells. <i>Cells</i> , 2020, 9, 1980.	4.1	28
48	The stress polarity signaling (SPS) pathway serves as a marker and a target in the leaky gut barrier: implications in aging and cancer. <i>Life Science Alliance</i> , 2020, 3, e201900481.	2.8	28
49	Focal adhesions are foci for tyrosine-based signal transduction via GIV/Girdin and G proteins. <i>Molecular Biology of the Cell</i> , 2015, 26, 4313-4324.	2.1	26
50	Girdin (GIV) Expression as a Prognostic Marker of Recurrence in Mismatch Repair-Proficient Stage II Colon Cancer. <i>Clinical Cancer Research</i> , 2016, 22, 3488-3498.	7.0	26
51	Convergence of Wnt, growth factor, and heterotrimeric G protein signals on the guanine nucleotide exchange factor Daple. <i>Science Signaling</i> , 2018, 11, .	3.6	26
52	Computational Approach to Identifying Universal Macrophage Biomarkers. <i>Frontiers in Physiology</i> , 2020, 11, 275.	2.8	26
53	Discovery of antiproliferative and anti-FAK inhibitory activity of 1,2,4-triazole derivatives containing acetamido carboxylic acid skeleton. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 40, 127965.	2.2	21
54	DDX5 promotes oncogene C3 and FABP1 expressions and drives intestinal inflammation and tumorigenesis. <i>Life Science Alliance</i> , 2020, 3, e202000772.	2.8	21

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55	Single-Cell Imaging of Metastatic Potential of Cancer Cells. <i>IScience</i> , 2018, 10, 53-65.	4.1	20
56	Chromogranin A regulates gut permeability <i>via</i> the antagonistic actions of its proteolytic peptides. <i>Acta Physiologica</i> , 2021, 232, e13655.	3.8	20
57	New 1,2,3-triazole linked ciprofloxacin-chalcones induce DNA damage by inhibiting human topoisomerase I & II and tubulin polymerization. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022, 37, 1346-1363.	5.2	20
58	Receptor tyrosine kinases activate heterotrimeric G proteins via phosphorylation within the interdomain cleft of G β i. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28763-28774.	7.1	19
59	A first-in-class anticancer dual HDAC2/FAK inhibitors bearing hydroxamates/benzamides capped by pyridinyl-1,2,4-triazoles. <i>European Journal of Medicinal Chemistry</i> , 2021, 222, 113569.	5.5	19
60	Mitochondrial BMI1 maintains bioenergetic homeostasis in cells. <i>FASEB Journal</i> , 2016, 30, 4042-4055.	0.5	18
61	G protein coupled growth factor receptor tyrosine kinase: <i>no longer an oxymoron</i> . <i>Cell Cycle</i> , 2015, 14, 2561-2565.	2.6	17
62	A predictive computational model reveals that GIV/girdin serves as a tunable valve for EGFR-stimulated cyclic AMP signals. <i>Molecular Biology of the Cell</i> , 2019, 30, 1621-1633.	2.1	17
63	Do All Roads Lead to Rome in G-Protein Activation?. <i>Trends in Biochemical Sciences</i> , 2020, 45, 182-184.	7.5	17
64	Deletion of intestinal epithelial AMP-activated protein kinase alters distal colon permeability but not glucose homeostasis. <i>Molecular Metabolism</i> , 2021, 47, 101183.	6.5	17
65	Activation of G proteins by GIV-GEF is a pivot point for insulin resistance and sensitivity. <i>Molecular Biology of the Cell</i> , 2015, 26, 4209-4223.	2.1	15
66	Metformin Is Associated With Reduced Odds for Colorectal Cancer Among Persons With Diabetes. <i>Clinical and Translational Gastroenterology</i> , 2019, 10, e00092.	2.5	15
67	2-Arylquinolines as novel anticancer agents with dual EGFR/FAK kinase inhibitory activity: synthesis, biological evaluation, and molecular modelling insights. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022, 37, 355-378.	5.2	15
68	GIV/girdin binds exocyst subunit-Exo70 and regulates exocytosis of GLUT4 storage vesicles. <i>Biochemical and Biophysical Research Communications</i> , 2015, 468, 287-293.	2.1	14
69	A Daple-Akt feed-forward loop enhances noncanonical Wnt signals by compartmentalizing β -catenin. <i>Molecular Biology of the Cell</i> , 2017, 28, 3709-3723.	2.1	14
70	DAPLE protein inhibits nucleotide exchange on G β s and G β q via the same motif that activates G β i. <i>Journal of Biological Chemistry</i> , 2020, 295, 2270-2284.	3.4	14
71	Novel candidates in early-onset familial colorectal cancer. <i>Familial Cancer</i> , 2020, 19, 1-10.	1.9	13
72	SPT6 promotes epidermal differentiation and blockade of an intestinal-like phenotype through control of transcriptional elongation. <i>Nature Communications</i> , 2021, 12, 784.	12.8	13

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73	Prognostic impact of total and tyrosine phosphorylated GIV/Girdin in breast cancers. <i>FASEB Journal</i> , 2016, 30, 3702-3713.	0.5	11
74	Controversies about the subcellular localization and mechanisms of action of the Alzheimer's disease-protective CD33 splice variant. <i>Acta Neuropathologica</i> , 2019, 138, 671-672.	7.7	11
75	GIV/Kindlin Interaction Is Required for Kindlin-Mediated Integrin Recognition and Activation. <i>IScience</i> , 2020, 23, 101209.	4.1	11
76	The untapped potential of tyrosine-based G protein signaling. <i>Pharmacological Research</i> , 2016, 105, 99-107.	7.1	10
77	The stress polarity pathway: AMPK 'GIV'-es protection against metabolic insults. <i>Aging</i> , 2017, 9, 303-314.	3.1	10
78	The Host-Microbiome Response to Hyperbaric Oxygen Therapy in Ulcerative Colitis Patients. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2022, 14, 35-53.	4.5	10
79	Tyrosine-Based Signals Regulate the Assembly of Daple/CCDC88C/PAK3 Complex at Cell-Cell Junctions. <i>IScience</i> , 2020, 23, 100859.	4.1	9
80	FAK inhibitors as promising anticancer targets: present and future directions. <i>Future Medicinal Chemistry</i> , 2021, 13, 1559-1590.	2.3	9
81	Prognostic Relevance of CCDC88C (Daple) Transcripts in the Peripheral Blood of Patients with Cutaneous Melanoma. <i>Scientific Reports</i> , 2018, 8, 18036.	3.3	8
82	A long isoform of GIV/Girdin contains a PDZ-binding module that regulates localization and G-protein binding. <i>Journal of Biological Chemistry</i> , 2021, 296, 100493.	3.4	8
83	GIV/Girdin, a non-receptor modulator for G β 1/s, regulates spatiotemporal signaling during sperm capacitation and is required for male fertility. <i>ELife</i> , 2021, 10, .	6.0	7
84	Functional assays with human patient-derived enteroid monolayers to assess the human gut barrier. <i>STAR Protocols</i> , 2021, 2, 100680.	1.2	7
85	Artificial intelligence-rationalized balanced PPAR α / β dual agonism resets dysregulated macrophage processes in inflammatory bowel disease. <i>Communications Biology</i> , 2022, 5, 231.	4.4	7
86	Two Isoforms of the Guanine Nucleotide Exchange Factor, Daple/CCDC88C Cooperate as Tumor Suppressors. <i>Scientific Reports</i> , 2019, 9, 12124.	3.3	6
87	Regulating cellular cyclic adenosine monophosphate: Sources, sinks, and now, tunable valves. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2020, 12, e1490.	6.6	6
88	Prevalence of MMTV-Like env Sequences and Its Association with BRCA1/2 Genes Mutations Among Egyptian Breast Cancer Patients. <i>Cancer Management and Research</i> , 2021, Volume 13, 2835-2848.	1.9	6
89	RNA binding protein DDX5 directs tuft cell specification and function to regulate microbial repertoire and disease susceptibility in the intestine. <i>Gut</i> , 2022, 71, 1790-1802.	12.1	6
90	Biochemical, Biophysical and Cellular Techniques to Study the Guanine Nucleotide Exchange Factor, GIV/Girdin. <i>Current Protocols in Chemical Biology</i> , 2016, 8, 265-298.	1.7	5

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91	The G12-interacting vesicle-associated protein interacts with and promotes cell surface localization of GRP78 during endoplasmic reticulum stress. FEBS Letters, 2020, 594, 1088-1100.	2.8	5
92	SPT6 loss permits the transdifferentiation of keratinocytes into an intestinal fate that resembles Barrett's metaplasia. IScience, 2021, 24, 103121.	4.1	5
93	Mesenteric Panniculitis and Sclerosing Mesenteritis: A Continuum of Inflammation Fibrosis. Clinical Gastroenterology and Hepatology, 2007, 5, A32.	4.4	4
94	Stability Analysis of a Signaling Circuit with Dual Species of GTPase Switches. Bulletin of Mathematical Biology, 2021, 83, 34.	1.9	4
95	Building unconventional G protein-coupled receptors, one block at a time. Trends in Pharmacological Sciences, 2021, 42, 514-517.	8.7	4
96	GIV/Girdin and Exo70 Collaboratively Regulate the Mammalian Polarized Exocytic Machinery. IScience, 2020, 23, 101246.	4.1	3
97	Modeling colorectal cancers using multidimensional organoids. Advances in Cancer Research, 2021, 151, 345-383.	5.0	3
98	Gastric adenocarcinoma inducing portal hypertension: A rare presentation. World Journal of Gastroenterology, 2007, 13, 960.	3.3	2
99	Clinico-pathological relationship between androgen receptor and tumour infiltrating lymphocytes in triple negative breast cancer. Ecancermedalscience, 2021, 15, 1317.	1.1	2
100	GIV is a Non-Receptor GEF for G12i with a Unique Motif that Regulates Akt Signaling. FASEB Journal, 2009, 23, 879.1.	0.5	1
101	in a Dish Facilitates Drug Development. Genetic Engineering and Biotechnology News, 2021, 41, 60-62.	0.1	0
102	G12i3 and GIV Cooperatively Regulate Akt signaling and Actin remodeling. FASEB Journal, 2008, 22, 284-284.	0.5	0
103	Activation of a G12i3-GIV Molecular Switch Triggers Cell Migration. FASEB Journal, 2008, 22, 283-283.	0.5	0
104	Convergence of Wnt, Growth Factor and Trimeric G-protein Signals on the Signaling Scaffold Daple. FASEB Journal, 2018, 32, 533.37.	0.5	0