

Dominic Esposito

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7174963/publications.pdf>

Version: 2024-02-01

95
papers

5,705
citations

109321

35
h-index

88630

70
g-index

115
all docs

115
docs citations

115
times ranked

10402
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapidly Increasing Severe Acute Respiratory Syndrome Coronavirus 2 Seroprevalence and Limited Clinical Disease in 3 Malian Communities: A Prospective Cohort Study. <i>Clinical Infectious Diseases</i> , 2022, 74, 1030-1038.	5.8	30
2	NMR 1H, 13C, 15N backbone resonance assignments of the T35S and oncogenic T35S/Q61L mutants of human KRAS4b in the active, GppNHP-bound conformation. <i>Biomolecular NMR Assignments</i> , 2022, 16, 1-8.	0.8	1
3	Classical RAS proteins are not essential for paradoxical ERK activation induced by RAF inhibitors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	8
4	Polycistronic baculovirus expression of SUGT1 enables high-yield production of recombinant leucine-rich repeat proteins and protein complexes. <i>Protein Expression and Purification</i> , 2022, 193, 106061.	1.3	5
5	mRNA vaccine-induced antibodies more effective than natural immunity in neutralizing SARS-CoV-2 and its high affinity variants. <i>Scientific Reports</i> , 2022, 12, 2628.	3.3	34
6	Insights into the Cross Talk between Effector and Allosteric Lobes of KRAS from Methyl Conformational Dynamics. <i>Journal of the American Chemical Society</i> , 2022, 144, 4196-4205.	13.7	14
7	Dromedary camel nanobodies broadly neutralize SARS-CoV-2 variants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2201433119.	7.1	19
8	Effect of D614G Spike Variant on Immunoglobulin G, M, or A Spike Seroassay Performance. <i>Journal of Infectious Diseases</i> , 2021, 223, 802-804.	4.0	17
9	Improved production of SARS-CoV-2 spike receptor-binding domain (RBD) for serology assays. <i>Protein Expression and Purification</i> , 2021, 179, 105802.	1.3	25
10	Standardization of ELISA protocols for serosurveys of the SARS-CoV-2 pandemic using clinical and at-home blood sampling. <i>Nature Communications</i> , 2021, 12, 113.	12.8	115
11	KRAS interaction with RAF1 RAS-binding domain and cysteine-rich domain provides insights into RAS-mediated RAF activation. <i>Nature Communications</i> , 2021, 12, 1176.	12.8	107
12	Isoform- and Phosphorylation-specific Multiplexed Quantitative Pharmacodynamics of Drugs Targeting PI3K and MAPK Signaling in Xenograft Models and Clinical Biopsies. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 749-760.	4.1	3
13	Towards Quantitative and Standardized Serological and Neutralization Assays for COVID-19. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2723.	4.1	12
14	Serologic Cross-Reactivity of SARS-CoV-2 with Endemic and Seasonal Betacoronaviruses. <i>Journal of Clinical Immunology</i> , 2021, 41, 906-913.	3.8	133
15	A majority of uninfected adults show preexisting antibody reactivity against SARS-CoV-2. <i>JCI Insight</i> , 2021, 6, .	5.0	39
16	Undiagnosed SARS-CoV-2 seropositivity during the first 6 months of the COVID-19 pandemic in the United States. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	106
17	RAS interaction with Sin1 is dispensable for mTORC2 assembly and activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	21
18	Refining the N-Termini of the SARS-CoV-2 Spike Protein and Its Discrete Receptor-Binding Domain. <i>Journal of Proteome Research</i> , 2021, 20, 4427-4434.	3.7	4

#	ARTICLE	IF	CITATIONS
19	Material strategies and considerations for serologic testing of global infectious diseases. MRS Bulletin, 2021, , 1-5.	3.5	3
20	A review of alternative promoters for optimal recombinant protein expression in baculovirus-infected insect cells. Protein Expression and Purification, 2021, 186, 105924.	1.3	13
21	Severe Acute Respiratory Syndrome Coronavirus 2 Seroassay Performance and Optimization in a Population With High Background Reactivity in Mali. Journal of Infectious Diseases, 2021, 224, 2001-2009.	4.0	34
22	Live tumor imaging shows macrophage induction and TMEM-mediated enrichment of cancer stem cells during metastatic dissemination. Nature Communications, 2021, 12, 7300.	12.8	53
23	Atypical KRASG12R Mutant Is Impaired in PI3K Signaling and Macropinocytosis in Pancreatic Cancer. Cancer Discovery, 2020, 10, 104-123.	9.4	131
24	Advancing <scp>RAS/RASopathy</scp> therapies: An NCI-sponsored intramural and extramural collaboration for the study of <scp>RASopathies</scp>. American Journal of Medical Genetics, Part A, 2020, 182, 866-876.	1.2	40
25	Structural Insights into the SPRED1-Neurofibromin-KRAS Complex and Disruption of SPRED1-Neurofibromin Interaction by Oncogenic EGFR. Cell Reports, 2020, 32, 107909.	6.4	41
26	Uncovering a membrane-distal conformation of KRAS available to recruit RAF to the plasma membrane. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24258-24268.	7.1	34
27	Relocation of the attTn7 Transgene Insertion Site in Bacmid DNA Enhances Baculovirus Genome Stability and Recombinant Protein Expression in Insect Cells. Viruses, 2020, 12, 1448.	3.3	11
28	Optimizing high-yield production of SARS-CoV-2 soluble spike trimers for serology assays. Protein Expression and Purification, 2020, 174, 105686.	1.3	84
29	The small molecule BI-2852 induces a nonfunctional dimer of KRAS. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 3363-3364.	7.1	46
30	Biochemical and structural analyses reveal that the tumor suppressor neurofibromin (NF1) forms a high-affinity dimer. Journal of Biological Chemistry, 2020, 295, 1105-1119.	3.4	25
31	Biochemical and structural analyses reveal that the tumor suppressor neurofibromin (NF1) forms a high-affinity dimer. Journal of Biological Chemistry, 2020, 295, 1105-1119.	3.4	25
32	Membrane interactions of the globular domain and the hypervariable region of KRAS4b define its unique diffusion behavior. ELife, 2020, 9, .	6.0	23
33	Structures of N-terminally processed KRAS provide insight into the role of N-acetylation. Scientific Reports, 2019, 9, 10512.	3.3	47
34	Distinct Binding Preferences between Ras and Raf Family Members and the Impact on Oncogenic Ras Signaling. Molecular Cell, 2019, 76, 872-884.e5.	9.7	76
35	Genome Assembly and Annotation of the Trichoplusia ni Tni-FNL Insect Cell Line Enabled by Long-Read Technologies. Genes, 2019, 10, 79.	2.4	16
36	Feasibility of using NF1-GRD and AAV for gene replacement therapy in NF1-associated tumors. Gene Therapy, 2019, 26, 277-286.	4.5	21

#	ARTICLE	IF	CITATIONS
37	Production of Farnesylated and Methylated Proteins in an Engineered Insect Cell System. <i>Methods in Molecular Biology</i> , 2019, 2009, 259-277.	0.9	6
38	Coexpression of ABCB1 and ABCG2 in a Cell Line Model Reveals Both Independent and Additive Transporter Function. <i>Drug Metabolism and Disposition</i> , 2019, 47, 715-723.	3.3	17
39	Quantitative biophysical analysis defines key components modulating recruitment of the GTPase KRAS to the plasma membrane. <i>Journal of Biological Chemistry</i> , 2019, 294, 2193-2207.	3.4	38
40	New weapons to penetrate the armor: Novel reagents and assays developed at the NCI RAS Initiative to enable discovery of RAS therapeutics. <i>Seminars in Cancer Biology</i> , 2019, 54, 174-182.	9.6	9
41	Mutant IL-7R α and mutant NRas are sufficient to induce murine T cell acute lymphoblastic leukemia. <i>Leukemia</i> , 2018, 32, 1795-1882.	7.2	13
42	Production of authentic geranylgeranylated KRAS4b using an engineered baculovirus system. <i>Protein Expression and Purification</i> , 2018, 151, 99-105.	1.3	0
43	Esophageal squamous cell carcinoma transcriptome reveals the effect of FOXM1 on patient outcome through novel PIK3R3 mediated activation of PI3K signaling pathway. <i>Oncotarget</i> , 2018, 9, 16634-16647.	1.8	21
44	Optimizing Expression and Solubility of Proteins in E. coli Using Modified Media and Induction Parameters. <i>Methods in Molecular Biology</i> , 2017, 1586, 65-82.	0.9	43
45	Engineering the transposition-based baculovirus expression vector system for higher efficiency protein production from insect cells. <i>Journal of Biotechnology</i> , 2016, 238, 1-8.	3.8	22
46	Structural basis of recognition of farnesylated and methylated KRAS4b by PDE δ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6766-E6775.	7.1	145
47	Effect of a Smac Mimetic (TL32711, Birinapant) on the Apoptotic Program and Apoptosis Biomarkers Examined with Validated Multiplex Immunoassays Fit for Clinical Use. <i>Clinical Cancer Research</i> , 2016, 22, 1000-1010.	7.0	21
48	Farnesylated and methylated KRAS4b: high yield production of protein suitable for biophysical studies of prenylated protein-lipid interactions. <i>Scientific Reports</i> , 2015, 5, 15916.	3.3	65
49	A Flexible Reporter System for Direct Observation and Isolation of Cancer Stem Cells. <i>Stem Cell Reports</i> , 2015, 4, 155-169.	4.8	110
50	Mammalian cell transient expression, non-affinity purification, and characterization of human recombinant IGFBP7, an IGF-1 targeting therapeutic protein. <i>International Immunopharmacology</i> , 2015, 29, 476-487.	3.8	4
51	Identification of a Cryptic Bacterial Promoter in Mouse (mdr1a) P-Glycoprotein cDNA. <i>PLoS ONE</i> , 2015, 10, e0136396.	2.5	5
52	Heterogeneity and Breadth of Host Antibody Response to KSHV Infection Demonstrated by Systematic Analysis of the KSHV Proteome. <i>PLoS Pathogens</i> , 2014, 10, e1004046.	4.7	57
53	Dragging Ras Back in the Ring. <i>Cancer Cell</i> , 2014, 25, 272-281.	16.8	707
54	Combinatorial Assembly of Clone Libraries Using Site-Specific Recombination. <i>Methods in Molecular Biology</i> , 2014, 1116, 193-208.	0.9	25

#	ARTICLE	IF	CITATIONS
55	Transcription signatures encoded by ultraconserved genomic regions in human prostate cancer. <i>Molecular Cancer</i> , 2013, 12, 13.	19.2	63
56	The UBIAD1 Prenyltransferase Links Menaquione-4 Synthesis to Cholesterol Metabolic Enzymes. <i>Human Mutation</i> , 2013, 34, 317-329.	2.5	60
57	BRD4 Short Isoform Interacts with RRP1B, SIPA1 and Components of the LINC Complex at the Inner Face of the Nuclear Membrane. <i>PLoS ONE</i> , 2013, 8, e80746.	2.5	51
58	MicroRNA-1 is a candidate tumor suppressor and prognostic marker in human prostate cancer. <i>Nucleic Acids Research</i> , 2012, 40, 3689-3703.	14.5	165
59	Optimizing Transient Recombinant Protein Expression in Mammalian Cells. <i>Methods in Molecular Biology</i> , 2012, 801, 251-268.	0.9	14
60	Clinical manufacturing of recombinant human interleukin 15. I. Production cell line development and protein expression in <i>E. coli</i> with stop codon optimization. <i>Biotechnology Progress</i> , 2012, 28, 497-507.	2.6	15
61	Characterization of Recombinant Human IL-15 Deamidation and Its Practical Elimination through Substitution of Asparagine 77. <i>Pharmaceutical Research</i> , 2012, 29, 722-738.	3.5	15
62	Purify First: Rapid expression and purification of proteins from XMRV. <i>Protein Expression and Purification</i> , 2011, 76, 238-247.	1.3	21
63	A set of aspartyl protease-deficient strains for improved expression of heterologous proteins in <i>Kluyveromyces lactis</i> . <i>FEMS Yeast Research</i> , 2011, 11, 168-178.	2.3	15
64	Secretoglobin 3A2 Suppresses Bleomycin-induced Pulmonary Fibrosis by Transforming Growth Factor β 2 Signaling Down-regulation. <i>Journal of Biological Chemistry</i> , 2011, 286, 19682-19692.	3.4	31
65	Detection of antibodies to Kaposi's sarcoma-associated herpesvirus: A new approach using K8.1 ELISA and a newly developed recombinant LANA ELISA. <i>Journal of Immunological Methods</i> , 2010, 356, 39-46.	1.4	61
66	Long-range enhancers on 8q24 regulate c-Myc. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3001-3005.	7.1	207
67	Widening the bottleneck: Increasing success in protein expression and purification. <i>Journal of Structural Biology</i> , 2010, 172, 14-20.	2.8	14
68	A rapid method for titrating baculovirus stocks using the Sf-9 Easy Titer cell line. <i>BioTechniques</i> , 2009, 47, 785-788.	1.8	79
69	The completion of the Mammalian Gene Collection (MGC). <i>Genome Research</i> , 2009, 19, 2324-2333.	5.5	125
70	Gateway Cloning for Protein Expression. <i>Methods in Molecular Biology</i> , 2009, 498, 31-54.	0.9	41
71	Lentivirus-mediated bifunctional cell labeling for in vivo melanoma study. <i>Pigment Cell and Melanoma Research</i> , 2009, 22, 283-295.	3.3	44
72	Functional Characterization of Filamin A Interacting Protein 1-like, a Novel Candidate for Antivascular Cancer Therapy. <i>Cancer Research</i> , 2008, 68, 7332-7341.	0.9	39

#	ARTICLE	IF	CITATIONS
73	Identification of highly expressed, soluble proteins using an improved, high-throughput pooled ORF expression technology. <i>BioTechniques</i> , 2008, 45, 307-315.	1.8	7
74	Filovirus-Like Particles Produced in Insect Cells: Immunogenicity and Protection in Rodents. <i>Journal of Infectious Diseases</i> , 2007, 196, S421-S429.	4.0	79
75	Improved recombinational stability of lentiviral expression vectors using reduced-genome <i>Escherichia coli</i> . <i>BioTechniques</i> , 2007, 43, 466-470.	1.8	22
76	Folliculin encoded by the <i>BHD</i> gene interacts with a binding protein, FNIP1, and AMPK, and is involved in AMPK and mTOR signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15552-15557.	7.1	427
77	Enhanced soluble protein expression using two new fusion tags. <i>Protein Expression and Purification</i> , 2006, 46, 122-129.	1.3	62
78	Purification, crystallization and preliminary X-ray diffraction of human S100A15. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2006, 62, 467-470.	0.7	4
79	Enhancement of soluble protein expression through the use of fusion tags. <i>Current Opinion in Biotechnology</i> , 2006, 17, 353-358.	6.6	485
80	Binding Characteristics of IFN-Subvariants to IFNAR2-EC and Influence of the 6-Histidine Tag. <i>Journal of Interferon and Cytokine Research</i> , 2006, 26, 866-876.	1.2	20
81	Evaluation of macrocyclic Grb2 SH2 domain-binding peptide mimetics prepared by ring-closing metathesis of C-terminal allylglycines with an N-terminal β -vinyl-substituted phosphotyrosyl mimetic. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 2431-2438.	3.0	24
82	Pooled ORF Expression Technology (POET). <i>Molecular and Cellular Proteomics</i> , 2005, 4, 1647-1652.	3.8	10
83	Cardiac glycosides inhibit TNF- α /NF- κ B signaling by blocking recruitment of TNF receptor-associated death domain to the TNF receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 9631-9636.	7.1	90
84	Gateway cloning is compatible with protein secretion from <i>Pichia pastoris</i> . <i>Protein Expression and Purification</i> , 2005, 40, 424-428.	1.3	8
85	Human ORFeome Version 1.1: A Platform for Reverse Proteomics. <i>Genome Research</i> , 2004, 14, 2128-2135.	5.5	208
86	A novel cell-free protein synthesis system. <i>Journal of Biotechnology</i> , 2004, 110, 257-263.	3.8	113
87	The <i>Escherichia coli</i> Fis Protein Stimulates Bacteriophage λ Integrative Recombination In Vitro. <i>Journal of Bacteriology</i> , 2003, 185, 3076-3080.	2.2	22
88	Blocking oligonucleotides improve sequencing through inverted repeats. <i>BioTechniques</i> , 2003, 35, 914-920.	1.8	11
89	Protein and DNA requirements of the bacteriophage HP1 recombination system: a model for intasome formation. <i>Nucleic Acids Research</i> , 2001, 29, 3955-3964.	14.5	21
90	Purification and Characterization of HP1 Cox and Definition of Its Role in Controlling the Direction of Site-specific Recombination. <i>Journal of Biological Chemistry</i> , 1997, 272, 8660-8670.	3.4	18

#	ARTICLE	IF	CITATIONS
91	Reciprocal Regulation of the Early Promoter Region of Bacteriophage HP1 by the Cox and CI Proteins. <i>Virology</i> , 1997, 234, 267-276.	2.4	25
92	The Complete Nucleotide Sequence of Bacteriophage HP1 DNA. <i>Nucleic Acids Research</i> , 1996, 24, 2360-2368.	14.5	63
93	A software package to streamline the titrimetric determination of lipase activity. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 1995, 72, 1405-1406.	1.9	13
94	Identification of an HP1 phage protein required for site-specific excision. <i>Molecular Microbiology</i> , 1994, 13, 685-695.	2.5	25
95	SARS-CoV-2 Seroassay Optimization and Performance in a Population with High Background Reactivity in Mali. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1