

Balraj Doray

List of Publications by Year in descending order

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31
papers

1,716
citations

394421

19
h-index

434195

31
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32
all docs

32
docs citations

32
times ranked

2122
citing authors

#	ARTICLE	IF	CITATIONS
1	Binding of GGA2 to the Lysosomal Enzyme Sorting Motif of the Mannose 6-Phosphate Receptor. <i>Science</i> , 2001, 292, 1716-1718.	12.6	269
2	Discovery of estrogen receptor alpha target genes and response elements in breast tumor cells. <i>Genome Biology</i> , 2004, 5, R66.	9.6	257
3	Cooperation of GGAs and AP-1 in Packaging MPRs at the Trans-Golgi Network. <i>Science</i> , 2002, 297, 1700-1703.	12.6	227
4	The β 1 and β 2 Hemicomplexes of Clathrin Adaptors AP-1 and AP-2 Harbor the Dileucine Recognition Site. <i>Molecular Biology of the Cell</i> , 2007, 18, 1887-1896.	2.1	153
5	Autoinhibition of the ligand-binding site of GGA1/3 VHS domains by an internal acidic cluster-dileucine motif. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 8072-8077.	7.1	79
6	β Subunit of the AP-1 Adaptor Complex Binds Clathrin: Implications for Cooperative Binding in Coated Vesicle Assembly. <i>Molecular Biology of the Cell</i> , 2001, 12, 1925-1935.	2.1	68
7	Recycling of Golgi glycosyltransferases requires direct binding to coatomer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8984-8989.	7.1	68
8	The Cytoplasmic and N-terminal Transmembrane Domains of Cytochrome P450 Contain Independent Signals for Retention in the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 1995, 270, 24327-24333.	3.4	64
9	Binding of cargo sorting signals to AP-1 enhances its association with ADP ribosylation factor 1-GTP. <i>Journal of Cell Biology</i> , 2008, 180, 467-472.	5.2	62
10	Interaction of the Cation-dependent Mannose 6-Phosphate Receptor with GGA Proteins. <i>Journal of Biological Chemistry</i> , 2002, 277, 18477-18482.	3.4	59
11	A clathrin coat assembly role for the muniscin protein central linker revealed by TALEN-mediated gene editing. <i>ELife</i> , 2014, 3, .	6.0	59
12	Clathrin Regulates the Association of PIPK1 β with the AP-2 Adaptor β 2 Appendage. <i>Journal of Biological Chemistry</i> , 2009, 284, 13924-13939.	3.4	44
13	Multiple Domains of GlcNAc-1-phosphotransferase Mediate Recognition of Lysosomal Enzymes. <i>Journal of Biological Chemistry</i> , 2016, 291, 8295-8307.	3.4	39
14	Identification of Acidic Dileucine Signals in LRP9 that Interact with Both GGAs and AP β 1/AP β 2. <i>Traffic</i> , 2008, 9, 1551-1562.	2.7	38
15	GGA1 Interacts with the Adaptor Protein AP-1 through a WNSF Sequence in Its Hinge Region. <i>Journal of Biological Chemistry</i> , 2004, 279, 17411-17417.	3.4	34
16	Engineering of GlcNAc-1-Phosphotransferase for Production of Highly Phosphorylated Lysosomal Enzymes for Enzyme Replacement Therapy. <i>Molecular Therapy - Methods and Clinical Development</i> , 2017, 5, 59-65.	4.1	27
17	Analysis of Gga Null Mice Demonstrates a Non-Redundant Role for Mammalian GGA2 during Development. <i>PLoS ONE</i> , 2012, 7, e30184.	2.5	23
18	A Conserved Proline-rich Sequence between the N-terminal Signal-anchor and Catalytic Domains Is Required for Assembly of Functional Cytochrome P450 2C2. <i>Archives of Biochemistry and Biophysics</i> , 1998, 350, 233-238.	3.0	22

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19	Antigen glycosylation regulates efficacy of CAR T cells targeting CD19. <i>Nature Communications</i> , 2022, 13, .	12.8	21
20	N-Terminal Deletions and His-Tag Fusions Dramatically Affect Expression of Cytochrome P450 2C2 in Bacteria. <i>Archives of Biochemistry and Biophysics</i> , 2001, 393, 143-153.	3.0	20
21	Efficient Assembly of Functional Cytochrome P450 2C2 Requires a Spacer Sequence between the N-terminal Signal Anchor and Catalytic Domains. <i>Journal of Biological Chemistry</i> , 1997, 272, 22891-22897.	3.4	18
22	Do <sc>GGA</sc> Adaptors Bind Internal <sc>DXXLL</sc> Motifs?. <i>Traffic</i> , 2012, 13, 1315-1325.	2.7	16
23	A weak COPI binding motif in the cytoplasmic tail of SARSâ€CoVâ€2 spike glycoprotein is necessary for its cleavage, glycosylation, and localization. <i>FEBS Letters</i> , 2021, 595, 1758-1767.	2.8	16
24	Impact of Genetic Background on Neonatal Lethality of <i>Gga2</i> Gene-Trap Mice. <i>G3: Genes, Genomes, Genetics</i> , 2014, 4, 885-890.	1.8	8
25	Role of spacerâ€1 in the maturation and function of Glc<sc>NA</sc>-â€1â€phosphotransferase. <i>FEBS Letters</i> , 2017, 591, 47-55.	2.8	8
26	Structure of the human GlcNAc-1-phosphotransferase Î±â€2 subunits reveals regulatory mechanism for lysosomal enzyme glycan phosphorylation. <i>Nature Structural and Molecular Biology</i> , 2022, 29, 348-356.	8.2	6
27	Inactivation of the three GGA genes in HeLa cells partially compromises lysosomal enzyme sorting. <i>FEBS Open Bio</i> , 2021, 11, 367-374.	2.3	5
28	Substitutions in the C-Terminal Portion of the Catalytic Domain Partially Reverse Assembly Defects Introduced by Mutations in the N-Terminal Linker Sequence of Cytochrome P450 2C2â€. <i>Biochemistry</i> , 1999, 38, 12180-12186.	2.5	2
29	Antigen Glycosylation Is a Central Regulator of CAR T Cell Efficacy. <i>Blood</i> , 2021, 138, 1721-1721.	1.4	2
30	Diseaseâ€causing missense mutations within the Nâ€terminal transmembrane domain of GlcNAcâ€1â€phosphotransferase impair endoplasmic reticulum translocation or Golgi retention. <i>Human Mutation</i> , 2020, 41, 1321-1328.	2.5	1
31	Elevated mRNA expression and defective processing of cathepsin D in HeLa cells lacking the mannose 6â€phosphate pathway. <i>FEBS Open Bio</i> , 2021, 11, 1695-1703.	2.3	1