Ricardo F Frausto

List of Publications by Year
in descending order

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49 papers	3,006 citations	331670 21 h-index	289244 40 g-index
54 all docs	54 docs citations	54 times ranked	4205 citing authors

#	Article	IF	Citations
1	Tumor Regression by Targeted Gene Delivery to the Neovasculature. Science, 2002, 296, 2404-2407.	12.6	852
2	Role of Raf in Vascular Protection from Distinct Apoptotic Stimuli. Science, 2003, 301, 94-96.	12.6	322
3	Differential Î±v integrinâ€“mediated Ras-ERK signaling during two pathways of angiogenesis. Journal of Cell Biology, 2003, 162, 933-943.	5.2	248
4	Trans-Signaling Is a Dominant Mechanism for the Pathogenic Actions of Interleukin-6 in the Brain. Journal of Neuroscience, 2014, 34, 2503-2513.	3.6	194
5	Elevated ATG5 expression in autoimmune demyelination and multiple sclerosis. Autophagy, 2009, 5, 152-158.	9.1	132
6	Site-Specific Production of IL-6 in the Central Nervous System Retargets and Enhances the Inflammatory Response in Experimental Autoimmune Encephalomyelitis. Journal of Immunology, 2009, 183, 2079-2088.	0.8	108
7	Fibronectin- and Vitronectin-Induced Microglial Activation and Matrix Metalloproteinase-9 Expression Is Mediated by Integrins Î±5Î²1 and Î±vÎ²5. Journal of Immunology, 2007, 178, 8158-8167.	0.8	105
8	Astrocytic Tissue Inhibitor of Metalloproteinase-1 (TIMP-1) Promotes Oligodendrocyte Differentiation and Enhances CNS Myelination. Journal of Neuroscience, 2011, 31, 6247-6254.	3.6	101
9	Genetics of the corneal endothelial dystrophies: an evidence-based review. Clinical Genetics, 2013, 84, 109-119.	2.0	87
10	Persistent Macrophage/Microglial Activation and Myelin Disruption after Experimental Autoimmune Encephalomyelitis in Tissue Inhibitor of Metalloproteinase-1-Deficient Mice. American Journal of Pathology, 2006, 169, 2104-2116.	3.8	85
11	A novel method to establish microgliaâ€free astrocyte cultures: Comparison of matrix metalloproteinase expression profiles in pure cultures of astrocytes and microglia. Glia, 2008, 56, 1187-1198.	4.9	73
12	Analysis of IL-6/gp130 family receptor expression reveals that in contrast to astroglia, microglia lack the oncostatin M receptor and functional responses to oncostatin M. Glia, 2015, 63, 132-141.	4.9	59
13	Transcriptomic Analysis of Cultured Corneal Endothelial Cells as a Validation for Their Use in Cell Replacement Therapy. Cell Transplantation, 2016, 25, 1159-1176.	2.5	58
14	Classification of Posterior Polymorphous Corneal Dystrophy as a Corneal Ectatic Disorder Following Confirmation of Associated Significant Corneal Steepening. JAMA Ophthalmology, 2013, 131, 1583.	2.5	41
15	Phenotypic and functional characterization of corneal endothelial cells during in vitro expansion. Scientific Reports, 2020, 10, 7402.	3.3	41
16	Multifunctional ion transport properties of human SLC4A11: comparison of the SLC4A11-B and SLC4A11-C variants. American Journal of Physiology - Cell Physiology, 2016, 311, C820-C830.	4.6	40
17	Amelioration of Coxsackievirus B3-Mediated Myocarditis by Inhibition of Tissue Inhibitors of Matrix Metalloproteinase-1. American Journal of Pathology, 2007, 171, 1762-1773.	3.8	35
18	Functional Impact ofZEB1Mutations Associated With Posterior Polymorphous and Fuchs' Endothelial Corneal Dystrophies. , 2014, 55, 6159.		34

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19	Gain-of-Function Mutational Activation of Human tRNA Synthetase Procytokine. Chemistry and Biology, 2007, 14, 1323-1333.	6.0	33
20	Coxsackievirus Preferentially Replicates and Induces Cytopathic Effects in Undifferentiated Neural Progenitor Cells. Journal of Virology, 2011, 85, 5718-5732.	3.4	31
21	Posterior Amorphous Corneal Dystrophy Is Associated with a Deletion of Small Leucine-rich Proteoglycans on Chromosome 12. PLoS ONE, 2014, 9, e95037.	2.5	28
22	Pre-Descemet Corneal Dystrophy and X-Linked Ichthyosis Associated With Deletion of Xp22.31 Containing the STS Gene. Cornea, 2013, 32, 1283-1287.	1.7	26
23	Transcriptomic Profiling of Posterior Polymorphous Corneal Dystrophy. , 2017, 58, 3202.		24
24	Transcriptome Analysis of the Human Corneal Endothelium. Investigative Ophthalmology and Visual Science, 2014, 55, 7821-7830.	3.3	23
25	ZEB1 insufficiency causes corneal endothelial cell state transition and altered cellular processing. PLoS ONE, 2019, 14, e0218279.	2.5	20
26	Confirmation of the OVOL2 Promoter Mutation c.-307T>C in Posterior Polymorphous Corneal Dystrophy 1. PLoS ONE, 2017, 12, e0169215.	2.5	20
27	Posterior polymorphous corneal dystrophy 3 is associated with agenesis and hypoplasia of the corpus callosum. Vision Research, 2014, 100, 88-92.	1.4	18
28	Exclusion of pathogenic promoter region variants and identification of novel nonsense mutations in the zinc finger E-box binding homeobox 1 gene in posterior polymorphous corneal dystrophy. Molecular Vision, 2013, 19, 575-80.	1.1	18
29	Energy Shortage in Human and Mouse Models ofSLC4A11-Associated Corneal Endothelial Dystrophies. , 2020, 61, 39.		16
30	Myelin oligodendrocyte glycoprotein peptide-induced experimental allergic encephalomyelitis and T cell responses are unaffected by immunoproteasome deficiency. Journal of Neuroimmunology, 2007, 192, 124-133.	2.3	14
31	Intravenous administration of human embryonic stem cell-derived neural precursor cells attenuates cuprizone-induced central nervous system (CNS) demyelination. Neuropathology and Applied Neurobiology, 2011, 37, 643-653.	3.2	14
32	Variant lattice corneal dystrophy associated with compound heterozygous mutations in theTGFBIgene. British Journal of Ophthalmology, 2017, 101, 509-513.	3.9	13
33	Elucidating the molecular basis of PPCD: Effects of decreased ZEB1 expression on corneal endothelial cell function. Molecular Vision, 2017, 23, 740-752.	1.1	13
34	X-linked Megalocornea Associated with the NovelCHRDL1Gene Mutation p.(Pro56Leu*8). Ophthalmic Genetics, 2015, 36, 145-148.	1.2	10
35	Whole Exome Sequencing and Segregation Analysis Confirms That a Mutation in COL17A1 Is the Cause of Epithelial Recurrent Erosion Dystrophy in a Large Dominant Pedigree Previously Mapped to Chromosome 10q23-q24. PLoS ONE, 2016, 11, e0157418.	2.5	10
36	Identification of novel PIKFYVE gene mutations associated with Fleck corneal dystrophy. Molecular Vision, 2015, 21, 1093-100.	1.1	10

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37	Hereditary Benign Intraepithelial Dyskeratosis: Report of a Case and Re-examination of the Evidence for Locus Heterogeneity. Ophthalmic Genetics, 2016, 37, 1-5.	1.2	9
38	Identification of the FirstDe Novo UBIAD1Gene Mutation Associated with Schnyder Corneal Dystrophy. Journal of Ophthalmology, 2016, 2016, 1-9.	1.3	9
39	Identification of Potentially Pathogenic Variants in the Posterior Polymorphous Corneal Dystrophy 1 Locus. PLoS ONE, 2016, 11, e0158467.	2.5	9
40	Investigating the Molecular Basis of PPCD3: Characterization of ZEB1 Regulation of COL4A3 Expression. , 2016, 57, 4136.		5
41	Identification of presumed pathogenic KRT3 and KRT12 gene mutations associated with Meesmann corneal dystrophy. Molecular Vision, 2015, 21, 1378-86.	1.1	5
42	Vortex Pattern of Corneal Deposits in Granular Corneal Dystrophy Associated With the p.(Arg555Trp) Mutation in TGFBI. Cornea, 2017, 36, 210-216.	1.7	4
43	Multimodal Imaging of Pre-Descemet Corneal Dystrophy Associated With X-Linked Ichthyosis and Deletion of the STS Gene. Cornea, 2020, 39, 1442-1445.	1.7	4
44	Confirmation and refinement of the heterozygous deletion of the small leucine-rich proteoglycans associated with posterior amorphous corneal dystrophy. Ophthalmic Genetics, 2018, 39, 419-424.	1.2	3
45	PS1-051 The role of transsignaling in mediating interleukin-6 (IL-6) actions in the central nervous system (CNS). Cytokine, 2011, 56, 30.	3.2	0
46	121. Cytokine, 2013, 63, 271.	3.2	0
47	Achieving specificity in the glial cell response to the gp130 cytokines. Journal of Neuroimmunology, 2014, 275, 142.	2.3	0
48	Corneal ectasia associated with posterior lamellar opacification. Ophthalmic Genetics, 2021, 42, 486-492.	1.2	0
49	Anti-desmoglein 3-mediated pathology of the human corneal epithelium in pemphigus vulgaris. Revista Mexicana De OftalmologÃa (English Edition), 2019, 93, .	0.0	0