Salil A Lachke

List of Publications by Year
in descending order

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69	2,700	186265	214800
papers	citations	28 h-index	47 g-index

75	75	75	2734
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Misexpression of the Opaque-Phase-Specific Gene PEP1 (SAP1) in the White Phase of Candida albicans Confers Increased Virulence in a Mouse Model of Cutaneous Infection. Infection and Immunity, 1999, 67, 6652-6662.	2.2	202
2	Mutations in the RNA Granule Component TDRD7 Cause Cataract and Glaucoma. Science, 2011, 331, 1571-1576.	12.6	186
3	Skin Facilitates Candida albicans Mating. Infection and Immunity, 2003, 71, 4970-4976.	2.2	122
4	Precise temporal control of the eye regulatory gene Pax6 via enhancer-binding site affinity. Genes and Development, 2010, 24, 980-985.	5.9	97
5	Mutations in the Epithelial Cadherin-p120-Catenin Complex Cause Mendelian Non-Syndromic Cleft Lip with or without Cleft Palate. American Journal of Human Genetics, 2018, 102, 1143-1157.	6.2	94
6	Roles of the 15-kDa Selenoprotein (Sep15) in Redox Homeostasis and Cataract Development Revealed by the Analysis of Sep 15 Knockout Mice. Journal of Biological Chemistry, 2011, 286, 33203-33212.	3.4	89
7	iSyTE:<u>I</u>ntegrated<u>Sy</u>stems<u>T</u>ool for<u>E</u>ye Gene Discovery. , 2012, 53, 1617.		89
8	Phenotypic Switching in Candida glabrata Involves Phase-Specific Regulation of the Metallothionein Gene MT-II and the Newly Discovered Hemolysin Gene HLP. Infection and Immunity, 2000, 68, 884-895.	2.2	80
9	Phenotypic switching and filamentation in Candida glabrata. Microbiology (United Kingdom), 2002, 148, 2661-2674.	1.8	80
10	Phenotypic Switching and Mating Type Switching of Candida glabrata at Sites ofColonization. Infection and Immunity, 2003, 71, 7109-7118.	2.2	76
11	Novel phenotypes and loci identified through clinical genomics approaches to pediatric cataract. Human Genetics, 2017, 136, 205-225.	3.8	73
12	iSyTE 2.0: a database for expression-based gene discovery in the eye. Nucleic Acids Research, 2018, 46, D875-D885.	14.5	71
13	Three Mating Type-Like Loci in Candida glabrata. Eukaryotic Cell, 2003, 2, 328-340.	3.4	64
14	Lens induction in vertebrates: Variations on a conserved theme of signaling events. Seminars in Cell and Developmental Biology, 2006, 17, 676-685.	5.0	63
15	Genomic analyses in African populations identify novel risk loci for cleft palate. Human Molecular Genetics, 2019, 28, 1038-1051.	2.9	61
16	Mutation update of transcription factor genesFOXE3,HSF4,MAF, andPITX3causing cataracts and other developmental ocular defects. Human Mutation, 2018, 39, 471-494.	2.5	60
17	Prox1 and fibroblast growth factor receptors form a novel regulatory loop controlling lens fiber differentiation and gene expression. Development (Cambridge), 2015, 143, 318-28.	2.5	59
18	Histone posttranslational modifications and cell fate determination: lens induction requires the lysine acetyltransferases CBP and p300. Nucleic Acids Research, 2013, 41, 10199-10214.	14.5	54

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19	Exome sequencing provides additional evidence for the involvement of ARHGAP29 in Mendelian orofacial clefting and extends the phenotypic spectrum to isolated cleft palate. Birth Defects Research, 2017, 109, 27-37.	1.5	49
20	Compound mouse mutants of bZIP transcription factors Mafg and Mafk reveal a regulatory network of non-crystallin genes associated with cataract. Human Genetics, 2015, 134, 717-735.	3.8	47
21	The cell adhesion gene PVRL3 is associated with congenital ocular defects. Human Genetics, 2012, 131, 235-250.	3.8	46
22	Loss of Sip1 leads to migration defects and retention of ectodermal markers during lens development. Mechanisms of Development, 2014, 131, 86-110.	1.7	45
23	The RNA-binding protein Celf1 post-transcriptionally regulates p27Kip1 and Dnase2b to control fiber cell nuclear degradation in lens development. PLoS Genetics, 2018, 14, e1007278.	3.5	43
24	Deficiency of the RNA binding protein caprin2 causes lens defects and features of peters anomaly. Developmental Dynamics, 2015, 244, 1313-1327.	1.8	42
25	Systems biology of lens development: A paradigm for disease gene discovery in the eye. Experimental Eye Research, 2017, 156, 22-33.	2.6	39
26	A large multiethnic GWAS meta-analysis of cataract identifies new risk loci and sex-specific effects. Nature Communications, 2021, 12, 3595.	12.8	39
27	<scp>RNA</scp>â€binding proteins in eye development and disease: implication of conserved <scp>RNA</scp> granule components. Wiley Interdisciplinary Reviews RNA, 2016, 7, 527-557.	6.4	38
28	Building the developmental oculome: systems biology in vertebrate eye development and disease. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2010, 2, 305-323.	6.6	37
29	N-myc regulates growth and fiber cell differentiation in lens development. Developmental Biology, 2017, 429, 105-117.	2.0	37
30	A systematic genetic analysis and visualization of phenotypic heterogeneity among orofacial cleft GWAS signals. Genetic Epidemiology, 2019, 43, 704-716.	1.3	36
31	The master transcription factor SOX2, mutated in anophthalmia/microphthalmia, is post-transcriptionally regulated by the conserved RNA-binding protein RBM24 in vertebrate eye development. Human Molecular Genetics, 2020, 29, 591-604.	2.9	34
32	Molecular characterization of mouse lens epithelial cell lines and their suitability to study RNA granules and cataract associated genes. Experimental Eye Research, 2015, 131, 42-55.	2.6	29
33	RNA sequencing-based transcriptomic profiles of embryonic lens development for cataract gene discovery. Human Genetics, 2018, 137, 941-954.	3.8	29
34	The regulation of EFG1 in white-opaque switching in Candida albicans involves overlapping promoters. Molecular Microbiology, 2003, 48, 523-536.	2.5	28
35	Transcriptome analysis of developing lens reveals abundance of novel transcripts and extensive splicing alterations. Scientific Reports, 2017, 7, 11572.	3.3	28
36	Crim1 regulates integrin signaling in murine lens development. Development (Cambridge), 2015, 143, 356-66.	2.5	27

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37	An integrative approach to analyze microarray datasets for prioritization of genes relevant to lens biology and disease. Genomics Data, 2015, 5, 223-227.	1.3	27
38	The Tudor-domain protein TDRD7, mutated in congenital cataract, controls the heat shock protein HSPB1 (HSP27) and lens fiber cell morphology. Human Molecular Genetics, 2020, 29, 2076-2097.	2.9	27
39	A zebrafish model of foxe3 deficiency demonstrates lens and eye defects with dysregulation of key genes involved in cataract formation in humans. Human Genetics, 2018, 137, 315-328.	3.8	26
40	Mutations in GDF11 and the extracellular antagonist, Follistatin, as a likely cause of Mendelian forms of orofacial clefting in humans. Human Mutation, 2019, 40, 1813-1825.	2.5	26
41	Pathogenic variants in PLOD3 result in a Stickler syndrome-like connective tissue disorder with vascular complications. Journal of Medical Genetics, 2019, 56, 629-638.	3.2	23
42	An Evolutionarily Conserved Enhancer Regulates Bmp4 Expression in Developing Incisor and Limb Bud. PLoS ONE, 2012, 7, e38568.	2.5	20
43	Development of novel filtering criteria to analyze RNA-sequencing data obtained from the murine ocular lens during embryogenesis. Genomics Data, 2014, 2, 369-374.	1.3	20
44	Î²1-Integrin Deletion From the Lens Activates Cellular Stress Responses Leading to Apoptosis and Fibrosis. , 2017, 58, 3896.		19
45	Express: A database of transcriptome profiles encompassing known and novel transcripts across multiple development stages in eye tissues. Experimental Eye Research, 2018, 168, 57-68.	2.6	18
46	The cataract-linked RNA-binding protein Celf1 post-transcriptionally controls the spatiotemporal expression of the key homeodomain transcription factors Pax6 and Prox1 in lens development. Human Genetics, 2020, 139, 1541-1554.	3.8	17
47	RNA granules and cataract. Expert Review of Ophthalmology, 2011, 6, 497-500.	0.6	16
48	Pax6- and Six3-Mediated Induction of Lens Cell Fate in Mouse and Human ES Cells. PLoS ONE, 2014, 9, e115106.	2.5	15
49	High-throughput transcriptome analysis reveals that the loss of Pten activates a novel NKX6-1/RASGRP1 regulatory module to rescue microphthalmia caused by Fgfr2-deficient lenses. Human Genetics, 2019, 138, 1391-1407.	3.8	14
50	Molecular characterization of the human lens epithelium-derived cell line SRA01/04. Experimental Eye Research, 2019, 188, 107787.	2.6	14
51	Six2 regulates Pax9 expression, palatogenesis and craniofacial bone formation. Developmental Biology, 2020, 458, 246-256.	2.0	13
52	RNA-binding proteins and post-transcriptional regulation in lens biology and cataract: Mediating spatiotemporal expression of key factors that control the cell cycle, transcription, cytoskeleton and transparency. Experimental Eye Research, 2022, 214, 108889.	2.6	13
53	Aged Nrf2-Null Mice Develop All Major Types of Age-Related Cataracts. , 2021, 62, 10.		13
54	Modeling ocular lens disease in Xenopus. Developmental Dynamics, 2020, 249, 610-621.	1.8	12

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55	MS/MS in silico subtraction-based proteomic profiling as an approach to facilitate disease gene discovery: application to lens development and cataract. Human Genetics, 2020, 139, 151-184.	3.8	12
56	Genome-Wide Analysis of Differentially Expressed miRNAs and Their Associated Regulatory Networks in Lenses Deficient for the Congenital Cataract-Linked Tudor Domain Containing Protein TDRD7. Frontiers in Cell and Developmental Biology, 2021, 9, 615761.	3.7	12
57	Crim1 regulates integrin signaling in murine lens development. Journal of Cell Science, 2016, 129, e1.2-e1.2.	2.0	11
58	Whole-genome sequencing reveals de-novo mutations associated with nonsyndromic cleft lip/palate. Scientific Reports, 2022, 12, .	3.3	11
59	Toward a systemsâ€level understanding of the Hedgehog signaling pathway: defining the complex, robust, and fragile. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2013, 5, 83-100.	6.6	9
60	Missense Pathogenic variants in KIF4A Affect Dental Morphogenesis Resulting in X-linked Taurodontism, Microdontia and Dens-Invaginatus. Frontiers in Genetics, 2019, 10, 800.	2.3	7
61	Investigation of eight candidate genes on chromosome 1p36 for autosomal dominant total congenital cataract. Molecular Vision, 2008, 14, 1799-804.	1.1	4
62	Variant analyses of candidate genes in orofacial clefts in multiâ€ethnic populations. Oral Diseases, 2022, 28, 1921-1935.	3.0	3
63	A Novel Mutation in Cse1l Disrupts Brain and Eye Development with Specific Effects on Pax6 Expression. Journal of Developmental Biology, 2021, 9, 27.	1.7	1
64	The Cataractâ€associated RNAâ€Binding Protein Celf1 Postâ€transcriptionally Regulates the Key Eye Transcription Factor Pax6. FASEB Journal, 2019, 33, 460.13.	0.5	1
65	Cover Image, Volume 7, Issue 4. Wiley Interdisciplinary Reviews RNA, 2016, 7, i-i.	6.4	0
66	Cover Image, Volume 39, Issue 4. Human Mutation, 2018, 39, i-i.	2.5	0
67	Front Cover, Volume 40, Issue 10. Human Mutation, 2019, 40, i.	2.5	0
68	Characterization of Celf1 function in mouse lens cell lines (746.1). FASEB Journal, 2014, 28, 746.1.	0.5	0
69	Investigation of RNA Granules in Lens Development. FASEB Journal, 2018, 32, 790.6.	0.5	0