CITATION REPORT List of articles citing

A large genome-wide association study of age-related macular degeneration highlights contributions of rare and common variants

DOI: 10.1038/ng.3448 Nature Genetics, 2016, 48, 134-43.

Source: https://exaly.com/paper-pdf/65647094/citation-report.pdf

Version: 2024-04-09

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
1001	Epigenetic Mechanisms of the Aging Human Retina. 2015 , 9, 51-79		25
1000	Genetisches Risiko bei der altersabhfigigen Makuladegeneration. 2015 , 21, 703-705		
999	Association of Hyperreflective Foci Present in Early Forms of Age-Related Macular Degeneration With Known Age-Related Macular Degeneration Risk Polymorphisms. 2016 , 57, 4315-20		15
998	Genetics and age-related macular degeneration: a practical review for the clinician. 2016 , 10, 1229-35		8
997	Progression Rate From Intermediate to Advanced Age-Related Macular Degeneration Is Correlated With the Number of Risk Alleles at the CFH Locus. 2016 , 57, 6107-6115		15
996	Genetic Association Analysis of Drusen Progression. 2016 , 57, 2225-31		10
995	Quantitative Autofluorescence and ABCA4 Disease. 2016 , 57, 3297-8		
994	Whole-genome characterization in pedigreed non-human primates using genotyping-by-sequencing (GBS) and imputation. 2016 , 17, 676		6
993	Distinct Genetic Risk Profile of the Rapidly Progressing Diffuse-Trickling Subtype of Geographic Atrophy in Age-Related Macular Degeneration (AMD). 2016 , 57, 2463-71		14
992	Integrated Approaches to Drug Discovery for Oxidative Stress-Related Retinal Diseases. 2016 , 2016, 2370252		8
991	Omics in Ophthalmology: Advances in Genomics and Precision Medicine for Leber Congenital Amaurosis and Age-Related Macular Degeneration. 2016 , 57, 1378-87		16
990	The Application of Genetic Risk Scores in Age-Related Macular Degeneration: A Review. 2016 , 5,		26
989	High-Density Lipoprotein Function in Exudative Age-Related Macular Degeneration. 2016 , 11, e015439	7	4
988	Genetics of Unilateral and Bilateral Age-Related Macular Degeneration Severity Stages. 2016 , 11, e0156	5778	6
987	Features of Age-Related Macular Degeneration in the General Adults and Their Dependency on Age, Sex, and Smoking: Results from the German KORA Study. 2016 , 11, e0167181		19
986	Association of ABCG1 With Neovascular Age-Related Macular Degeneration and Polypoidal Choroidal Vasculopathy in Chinese and Japanese. 2016 , 57, 5758-5763		8
985	Gene-Based Association Analysis for Censored Traits Via Fixed Effect Functional Regressions. 2016 , 40, 133-43		10

(2016-2016)

984	GWAS study using DNA pooling strategy identifies association of variant rs4910623 in OR52B4 gene with anti-VEGF treatment response in age-related macular degeneration. 2016 , 6, 37924	18
983	Genetic and environmental factors strongly influence risk, severity and progression of age-related macular degeneration. 2016 , 1, 16016	9
982	AMD and the alternative complement pathway: genetics and functional implications. 2016 , 10, 23	42
981	The Alzheimer's-related amyloid beta peptide is internalised by R28 neuroretinal cells and disrupts the microtubule associated protein 2 (MAP-2). 2016 , 153, 110-121	14
980	In silico Mapping of Protein Unfolding Mutations for Inherited Disease. 2016 , 6, 37298	16
979	Protective coding variants in CFH and PELI3 and a variant near CTRB1 are associated with age-related macular degeneration 2016 , 25, 5276-5285	11
978	Heritability of Choroidal Thickness in the Amish. 2016 , 123, 2537-2544	17
977	Gut microbiota influences pathological angiogenesis in obesity-driven choroidal neovascularization. 2016 , 8, 1366-1379	75
976	Epidemiology of age-related macular degeneration (AMD): associations with cardiovascular disease phenotypes and lipid factors. 2016 , 3, 34	223
975	Risk factors and biomarkers of age-related macular degeneration. 2016 , 54, 64-102	185
974	Challenges in Rare Variant Association Studies for Complex Kidney Traits: CFHR5 and IgA Nephropathy. 2016 , 27, 2547-51	3
973	PNPLA3 gene in liver diseases. 2016 , 65, 399-412	140
972	Genetics and the Variable Phenotype of Age-Related Macular Degeneration. 2016, 134, 681-2	
971	Vitamin A-aldehyde adducts: AMD risk and targeted therapeutics. 2016 , 113, 4564-9	26
970	Monomeric C-reactive protein and inflammation in age-related macular degeneration. 2016 , 240, 173-83	34
969	Low-frequency coding variants in CETP and CFB are associated with susceptibility of exudative age-related macular degeneration in the Japanese population. 2016 , 25, 5027-5034	33
968	Next-generation genotype imputation service and methods. <i>Nature Genetics</i> , 2016 , 48, 1284-1287 36.3	1369
96 7	Missing heritability of complex diseases: Enlightenment by genetic variants from intermediate phenotypes. 2016 , 38, 664-73	29

966	NRL-Regulated Transcriptome Dynamics of Developing Rod Photoreceptors. 2016 , 17, 2460-2473		70
965	[Epidemiology of age-related macular degeneration]. 2016 , 113, 735-45		7
964	Genetic Risk Scores. 2016 , 91, 1.29.1-1.29.9		14
963	Assessment of polygenic effects links primary open-angle glaucoma and age-related macular degeneration. 2016 , 6, 26885		17
962	Complement component C3 - The "Swiss Army Knife" of innate immunity and host defense. 2016 , 274, 33-58		168
961	A Novel Complotype Combination Associates with Age-Related Macular Degeneration and High Complement Activation Levels in vivo. 2016 , 6, 26568		20
960	Age-Related Macular Degeneration: Genetics and Biology. 2016 , 5, 229-35		5
959	Multiallelic copy number variation in the complement component 4A (C4A) gene is associated with late-stage age-related macular degeneration (AMD). 2016 , 13, 81		19
958	Next generation sequencing technology and genomewide data analysis: Perspectives for retinal research. 2016 , 55, 1-31		39
957	Increased retinal mtDNA damage in the CFH variant associated with age-related macular degeneration. 2016 , 145, 269-277		47
956	Regression of Some High-risk Features of Age-related Macular Degeneration (AMD) in Patients Receiving Intensive Statin Treatment. 2016 , 5, 198-203		79
955	Cell-based therapeutic strategies for replacement and preservation in retinal degenerative diseases. 2017 , 58, 1-27		61
954	The complement system in age-related macular degeneration: A review of rare genetic variants and implications for personalized treatment. 2017 , 84, 65-76		93
953	Local complement activation in aqueous humor in patients with age-related macular degeneration. 2017 , 31, 810-813		52
952	Genome-wide analyses identify common variants associated with macular telangiectasia type 2. <i>Nature Genetics</i> , 2017 , 49, 559-567	36.3	75
951	Can innate and autoimmune reactivity forecast early and advance stages of age-related macular degeneration?. 2017 , 16, 231-236		11
950	Drug discovery using induced pluripotent stem cell models of neurodegenerative and ocular diseases. 2017 , 177, 32-43		30
949	Genetic variants in microRNAs and their binding sites within gene 3'UTRs associate with susceptibility to age-related macular degeneration. 2017 , 38, 827-838		21

948 Advances in Vision Research, Volume I. **2017**,

947	Mendelian Randomization Implicates High-Density Lipoprotein Cholesterol-Associated Mechanisms in Etiology of Age-Related Macular Degeneration. 2017 , 124, 1165-1174		70
946	Quercetin and cyanidin-3-glucoside protect against photooxidation and photodegradation of A2E in retinal pigment epithelial cells. 2017 , 160, 45-55		34
945	Genome-Wide Association Studies of Glaucoma. 2017 , 275-290		1
944	An in silico model of retinal cholesterol dynamics (RCD model): insights into the pathophysiology of dry AMD. 2017 , 58, 1325-1337		10
943	Frequent hypomorphic alleles account for a significant fraction of ABCA4 disease and distinguish it from age-related macular degeneration. 2017 , 54, 404-412		97
942	1000 Genomes-based meta-analysis identifies 10 novel loci for kidney function. 2017 , 7, 45040		70
941	Recombinant Haplotypes Narrow the ARMS2/HTRA1 Association Signal for Age-Related Macular Degeneration. 2017 , 205, 919-924		42
940	Autophagy regulates death of retinal pigment epithelium cells in age-related macular degeneration. 2017 , 33, 113-128		96
939	From compliment to insult: genetics of the complement system in physiology and disease in the human retina. 2017 , 26, R51-R57		10
938	Loss of Function of P2X7 Receptor Scavenger Activity in Aging Mice: A Novel Model for Investigating the Early Pathogenesis of Age-Related Macular Degeneration. 2017 , 187, 1670-1685		22
937	Concerted regulation of retinal pigment epithelium basement membrane and barrier function by angiocrine factors. 2017 , 8, 15374		39
936	Bivariate Analysis of Age-Related Macular Degeneration Progression Using Genetic Risk Scores. 2017 , 206, 119-133		31
935	Genetic association study of exfoliation syndrome identifies a protective rare variant at LOXL1 and five new susceptibility loci. <i>Nature Genetics</i> , 2017 , 49, 993-1004	36.3	72
934	On phagocytes and macular degeneration. 2017 , 61, 98-128		80
933	Multimodal Regulation Orchestrates Normal and Complex Disease States in the Retina. 2017 , 7, 690		8
932	miRNAs, single nucleotide polymorphisms (SNPs) and age-related macular degeneration (AMD). 2017 , 55, 763-775		25
931	The Functional Effect of Rare Variants in Complement Genes on C3b Degradation in Patients With Age-Related Macular Degeneration. 2017 , 135, 39-46		33

930	A decade of age-related macular degeneration risk models: What have we learned from them and where are we going?. 2017 , 38, 301-307	1
929	Polysialic acid blocks mononuclear phagocyte reactivity, inhibits complement activation, and protects from vascular damage in the retina. 2017 , 9, 154-166	43
928	Complement factor H in host defense and immune evasion. 2017 , 74, 1605-1624	91
927	Serum Levels of TIMP-3, LIPC, IER3, and SLC16A8 in CFH-Negative AMD Cases. 2017, 118, 2087-2095	11
926	The Rotterdam Study: 2018 update on objectives, design and main results. 2017, 32, 807-850	296
925	Exome-wide association study of plasma lipids in >300,000 individuals. <i>Nature Genetics</i> , 2017 , 49, 1758-1 36 .6	310
924	Regulated efflux of photoreceptor outer segment-derived cholesterol by human RPE cells. 2017 , 165, 65-77	39
923	RPE65 takes on another role in the vertebrate retina. 2017 , 114, 10818-10820	4
922	Wet Age-Related Macular Degeneration. 2017 , 1-13	
921	Complement C3 Associates With Incidence of Diabetes, but No Evidence of a Causal Relationship. 2017 , 102, 4477-4485	17
920	Shared genetic variants for polypoidal choroidal vasculopathy and typical neovascular age-related macular degeneration in East Asians. 2017 , 62, 1049-1055	26
919	A Scalable Bayesian Method for Integrating Functional Information in Genome-wide Association Studies. 2017 , 101, 404-416	41
918	Deletion of Endothelial Transforming Growth Factor-	17
917	Phenotype Characteristics of Patients With Age-Related Macular Degeneration Carrying a Rare Variant in the Complement Factor H Gene. 2017 , 135, 1037-1044	12
916	Non-parametric genetic prediction of complex traits with latent Dirichlet process regression models. 2017 , 8, 456	53
915	An Induced Pluripotent Stem Cell Patient Specific Model of Complement Factor H (Y402H) Polymorphism Displays Characteristic Features of Age-Related Macular Degeneration and Indicates a Beneficial Role for UV Light Exposure. 2017 , 35, 2305-2320	38
914	Monocyte infiltration and proliferation reestablish myeloid cell homeostasis in the mouse retina following retinal pigment epithelial cell injury. 2017 , 7, 8433	45
913	Association of C-Reactive Protein Genetic Polymorphisms With Late Age-Related Macular Degeneration. 2017 , 135, 909-916	13

(2017-2017)

912	2017, 7, 41835	10
911	A genome-wide association study identified a novel genetic loci STON1-GTF2A1L/LHCGR/FSHR for bilaterality of neovascular age-related macular degeneration. 2017 , 7, 7173	6
910	Genetische Risiken und Therapieentwicklung bei Netzhautdegenerationen. 2017, 29, 195-201	
909	Zelltherapie am Augenhintergrund lgestern, heute, morgen. 2017 , 29, 208-216	1
908	Current drug and molecular therapies for the treatment of atrophic age-related macular degeneration: phase I to phase III clinical development. 2017 , 26, 1103-1114	15
907	A large multi-ethnic genome-wide association study identifies novel genetic loci for intraocular pressure. 2017 , 8, 2108	58
906	From Gene to Therapy: Understanding Human Disease through Genetics. 2017 , 5, i-89	
905	Progression From No AMD to Intermediate AMD as Influenced by Antioxidant Treatment and Genetic Risk: An Analysis of Data From the Age-Related Eye Disease Study Cataract Trial. 2017 , 1, 45-51	
904	RNA expression in human retina. 2017 , 26, R68-R74	8
903	Age-related macular degeneration associated polymorphism rs10490924 in ARMS2 results in deficiency of a complement activator. 2017 , 14, 4	52
902	Genetic pleiotropy between age-related macular degeneration and 16 complex diseases and traits. 2017 , 9, 29	41
901	Genetics of age-related macular degeneration (AMD). 2017 , 26, R45-R50	53
900	Multiple rare genetic variants co-segregating with familial IgA nephropathy all act within a single immune-related network. 2017 , 281, 189-205	13
899	Lipids, oxidized lipids, oxidation-specific epitopes, and Age-related Macular Degeneration. 2017 , 1862, 430-440	65
898	An Eye on Age-Related Macular Degeneration: The Role of MicroRNAs in Disease Pathology. 2017 , 21, 31-43	55
897	HDL-cholesterol levels and risk of age-related macular degeneration: a multiethnic genetic study using Mendelian randomization. 2017 , 46, 1891-1902	45
896	New Treatment Modalities for Geographic Atrophy. 2017 , 6, 508-513	8
895	Recent developments in age-related macular degeneration: a review. 2017 , 12, 1313-1330	168

894	Joint Analysis of Nuclear and Mitochondrial Variants in Age-Related Macular Degeneration Identifies Novel Loci TRPM1 and ABHD2/RLBP1. 2017 , 58, 4027-4038	13
893	Identification of candidate protective variants for common diseases and evaluation of their protective potential. 2017 , 18, 575	11
892	A Genome-Wide Scan for MicroRNA-Related Genetic Variants Associated With Primary Open-Angle Glaucoma. 2017 , 58, 5368-5377	14
891	Protective Mechanisms of the Mitochondrial-Derived Peptide Humanin in Oxidative and Endoplasmic Reticulum Stress in RPE Cells. 2017 , 2017, 1675230	37
890	Omics Biomarkers in Ophthalmology. 2017 , 58, BIO88-BIO98	32
889	Assessing and Exploiting Functional Diversity in Germplasm Pools to Enhance Abiotic Stress Adaptation and Yield in Cereals and Food Legumes. 2017 , 8, 1461	46
888	Bruch's Membrane Compartmentalizes Complement Regulation in the Eye with Implications for Therapeutic Design in Age-Related Macular Degeneration. 2017 , 8, 1778	32
887	DNA Sequence Analysis in Clinical Medicine, Proceeding Cautiously. 2017 , 4, 24	9
886	PTEN Reduced UVB-Mediated Apoptosis in Retinal Pigment Epithelium Cells. 2017, 2017, 3681707	9
885	Mutation Spectrum of the ABCA4 Gene in 335 Stargardt Disease Patients From a Multicenter German Cohort-Impact of Selected Deep Intronic Variants and Common SNPs. 2017 , 58, 394-403	77
884	Identification of ANGPT2 as a New Gene for Neovascular Age-Related Macular Degeneration and Polypoidal Choroidal Vasculopathy in the Chinese and Japanese Populations. 2017 , 58, 1076-1083	21
883	Optical Coherence Tomography Features Preceding the Onset of Advanced Age-Related Macular Degeneration. 2017 , 58, 3519-3529	42
882	Macular Degeneration Epidemiology: Nature-Nurture, Lifestyle Factors, Genetic Risk, and Gene-Environment Interactions - The Weisenfeld Award Lecture. 2017 , 58, 6513-6528	23
881	Adiponectin Mediates Dietary Omega-3 Long-Chain Polyunsaturated Fatty Acid Protection Against Choroidal Neovascularization in Mice. 2017 , 58, 3862-3870	16
880	Development and Validation of a Risk Score for Age-Related Macular Degeneration: The STARS Questionnaire. 2017 , 58, 6399-6407	5
879	Myocilin Regulates Metalloprotease 2 Activity Through Interaction With TIMP3. 2017 , 58, 5308-5318	9
878	Human induced pluripotent stem cells illuminate pathways and novel treatment targets for age-related macular degeneration. 2017 , 4, 92	1
877	The Foundation of the American Society of Retina Specialists Presidents Young Investigator Award Lecture: Solving AMD: Moving Forward by Stepping Back. 2017 , 1, 24-26	

(2018-2017)

876	Investigation of associations of , , and gene polymorphisms with wet age-related macular degeneration in a Greek population. 2017 , 11, 1347-1358		6
875	The importance of cohort studies in the post-GWAS era. <i>Nature Genetics</i> , 2018 , 50, 322-328	36.3	38
874	Anti-vascular endothelial growth factors treatment of wet age-related macular degeneration: from neurophysiology to cost-effectiveness. 2018 , 96 Suppl A109, 1-46		2
873	Recurrent structural variation, clustered sites of selection, and disease risk for the complement factor H () gene family. 2018 , 115, E4433-E4442		24
872	Whole genome sequencing of Caribbean Hispanic families with late-onset Alzheimer's disease. 2018 , 5, 406-417		25
871	A mega-analysis of expression quantitative trait loci (eQTL) provides insight into the regulatory architecture of gene expression variation in liver. 2018 , 8, 5865		39
870	Clinical and Functional Relevance of the Monocarboxylate Transporter Family in Disease Pathophysiology and Drug Therapy. 2018 , 11, 352-364		55
869	ATAC-Seq analysis reveals a widespread decrease of chromatin accessibility in age-related macular degeneration. 2018 , 9, 1364		66
868	A Deep Learning Algorithm for Prediction of Age-Related Eye Disease Study Severity Scale for Age-Related Macular Degeneration from Color Fundus Photography. 2018 , 125, 1410-1420		206
867	Blockade of microglial adenosine A2A receptor impacts inflammatory mechanisms, reduces ARPE-19 cell dysfunction and prevents photoreceptor loss in vitro. 2018 , 8, 2272		29
866	Analysis combining correlated glaucoma traits identifies five new risk loci for open-angle glaucoma. 2018 , 8, 3124		25
865	Genome-Wide Association Study Reveals Variants in CFH and CFHR4 Associated with Systemic Complement Activation: Implications in Age-Related Macular Degeneration. 2018 , 125, 1064-1074		34
864	C-reactive protein and pentraxin-3 binding of factor H-like protein 1 differs from complement factor H: implications for retinal inflammation. 2018 , 8, 1643		19
863	Association of IGFN1 variant with polypoidal choroidal vasculopathy. 2018 , 20, e3007		5
862	Causal associations between risk factors and common diseases inferred from GWAS summary data. 2018 , 9, 224		346
861	Genome-wide analysis of disease progression in age-related macular degeneration. 2018 , 27, 929-940		37
860	HtrA1 Mediated Intracellular Effects on Tubulin Using a Polarized RPE Disease Model. 2018 , 27, 258-27	'4	12
859	Treatment of Geographic Atrophy with Intravitreal Sirolimus: The Age-Related Eye Disease Study 2 Ancillary Study. 2018 , 2, 441-450		15

858	Genetic risk factors for late age-related macular degeneration in India. 2018 , 102, 1213-1217	8
857	Splitting the Lumps: The Importance of Phenotyping Drusen. 2018 , 125, 6-7	3
856	Genetic variation in predicts phenytoin-induced maculopapular exanthema in European-descent patients. 2018 , 90, e332-e341	33
855	Targeting Hif1a rescues cone degeneration and prevents subretinal neovascularization in a model of chronic hypoxia. 2018 , 13, 12	17
854	Improved score statistics for meta-analysis in single-variant and gene-level association studies. 2018 , 42, 333-343	3
853	Pleiotropic Effects of Risk Factors in Age-Related Macular Degeneration and Seemingly Unrelated Complex Diseases. 2018 , 1074, 247-255	1
852	A new perspective on lipid research in age-related macular degeneration. 2018 , 67, 56-86	94
851	Exploring the Use of Molecular Biomarkers for Precision Medicine in Age-Related Macular Degeneration. 2018 , 22, 315-343	14
850	Replicability and Prediction: Lessons and Challenges from GWAS. 2018, 34, 504-517	77
849	Whole-Exome Sequencing in Age-Related Macular Degeneration Identifies Rare Variants in COL8A1, a Component of Bruch's Membrane. 2018 , 125, 1433-1443	20
848	Changing vision: a review of pharmacogenetic studies for treatment response in age-related macular degeneration patients. 2018 , 19, 435-461	4
847	The genetics of retinopathy of prematurity: a model for neovascular retinal disease. 2018 , 2, 949-962	13
846	Epigenetic control of gene regulation during development and disease: A view from the retina. 2018 , 65, 1-27	60
845	Mouse Retinal Phenotyping. 2018 ,	2
844	CRISPR-Cas9 genome engineering: Treating inherited retinal degeneration. 2018, 65, 28-49	43
843	Determination of Mitochondrial Oxygen Consumption in the Retina Ex Vivo: Applications for Retinal Disease. 2018 , 1753, 167-177	2
842	N-Terminomics identifies HtrA1 cleavage of thrombospondin-1 with generation of a proangiogenic fragment in the polarized retinal pigment epithelial cell model of age-related macular degeneration. 2018 , 70, 84-101	16
841	Genotype-Phenotype Association Study Reveals CFI-Rs13104777 to be a Protective Genetic Marker Against Acute Anterior Uveitis. 2018 , 26, 51-56	1

(2018-2018)

840	Systemic and ocular fluid compounds as potential biomarkers in age-related macular degeneration. 2018 , 63, 9-39	64
839	Geographic atrophy phenotype identification by cluster analysis. 2018 , 102, 388-392	10
838	Evaluation of sFLT1 protein levels in human eyes with the FLT1 rs9943922 polymorphism. 2018, 39, 68-72	2
837	Applying family analyses to electronic health records to facilitate genetic research. 2018 , 34, 635-642	5
836	The Progression of Geographic Atrophy Secondary to Age-Related Macular Degeneration. 2018 , 125, 369-390	174
835	ApoA-I Mimetic Peptide 4F Reduces Age-Related Lipid Deposition in Murine Bruch's Membrane and Causes Its Structural Remodeling. 2018 , 43, 135-146	18
834	The eye as a complement dysregulation hotspot. 2018 , 40, 65-74	57
833	Complement factor H in AMD: Bridging genetic associations and pathobiology. 2018 , 62, 38-57	65
832	Association between CFH, CFB, ARMS2, SERPINF1, VEGFR1 and VEGF polymorphisms and anatomical and functional response to ranibizumab treatment in neovascular age-related macular degeneration. 2018 , 96, e201-e212	14
831	Assessing individual risk for AMD with genetic counseling, family history, and genetic testing. 2018 , 32, 446-450	14
830	Human Plasma Metabolomics Study across All Stages of Age-Related Macular Degeneration Identifies Potential Lipid Biomarkers. 2018 , 125, 245-254	42
829	A Deep Phenotype Association Study Reveals Specific Phenotype Associations with Genetic Variants in Age-related Macular Degeneration: Age-Related Eye Disease Study 2 (AREDS2) Report No. 14. 2018 , 125, 559-568	19
828	Towards the application of precision medicine in Age-Related Macular Degeneration. 2018, 63, 132-146	44
827	Association of Rare Predicted Loss-of-Function Variants in Cellular Pathways with Sub-Phenotypes in Age-Related Macular Degeneration. 2018 , 125, 398-406	7
826	Exome-wide association study identifies four novel loci for systemic lupus erythematosus in Han Chinese population. 2018 , 77, 417	31
825	Delivery of CR2-fH Using AAV Vector Therapy as Treatment Strategy in the Mouse Model of Choroidal Neovascularization. 2018 , 9, 1-11	18
824	Nonclinical Safety Assessment of Anti-Factor D: Key Strategies and Challenges for the Nonclinical Development of Intravitreal Biologics. 2018 , 34, 204-213	11
823	Genetics and genetic testing for age-related macular degeneration. 2018 , 32, 849-857	27

822	Retinal Structure in Pre-Clinical Age-Related Macular Degeneration. 2018, 43, 376-382	8
821	Genes and genetics in eye diseases: a genomic medicine approach for investigating hereditary and inflammatory ocular disorders. 2018 , 11, 117-134	15
820	Progress and challenges in genome-wide studies to understand the genetics of diabetic retinopathy. 2018 , 3, 46-46	O
819	Inferring Gene-Disease Association by an Integrative Analysis of eQTL Genome-Wide Association Study and Protein-Protein Interaction Data. 2018 , 83, 117-129	6
818	Genetics of Exfoliation Syndrome. 2018 , 27 Suppl 1, S12-S14	14
817	Thermal Stimulation of the Retina Reduces Bruch's Membrane Thickness in Age Related Macular Degeneration Mouse Models. 2018 , 7, 2	19
816	variants as genetic determinants of adiposity status, visceral adiposity indicators, and triglyceride-glucose (TyG) index-related parameters mediated by serum triglyceride levels. 2018 , 10, 79	3
815	Views of ophthalmologists on the genetics of age-related macular degeneration: Results of a qualitative study. 2018 , 13, e0209328	6
814	New insight into the role of the complement in the most common types of retinopathy-current literature review. 2018 , 11, 1856-1864	8
813	Genome-wide mega-analysis identifies 16 loci and highlights diverse biological mechanisms in the common epilepsies. 2018 , 9, 5269	169
812	Prevalence of Subclinical CNV and Choriocapillaris Nonperfusion in Fellow Eyes of Unilateral Exudative AMD on OCT Angiography. 2018 , 7, 19	34
811	Encapsulated Cell Technology-Based Delivery of a Complement Inhibitor Reduces Choroidal Neovascularization in a Mouse Model. 2018 , 7, 3	8
810	Age-related macular degeneration. 2018 , 392, 1147-1159	455
809	High-Temperature Requirement A 1 Causes Photoreceptor Cell Death in Zebrafish Disease Models. 2018 , 188, 2729-2744	6
808	Phenotype-Specific Enrichment of Mendelian Disorder Genes near GWAS Regions across 62 Complex Traits. 2018 , 103, 535-552	43
807	A Novel Choroidal Endothelial Cell Line Has a Decreased Affinity for the Age-Related Macular Degeneration-Associated Complement Factor H Variant 402H. 2018 , 59, 722-730	8
806	Genetic variation in the locus is associated with erectile dysfunction. 2018 , 115, 11018-11023	14
805	Soft Drusen in Age-Related Macular Degeneration: Biology and Targeting Via the Oil Spill Strategies. 2018 , 59, AMD160-AMD181	110

(2018-2018)

804	Paired Immunoglobulin-like Type 2 Receptor Alpha G78R variant alters ligand binding and confers protection to Alzheimer's disease. 2018 , 14, e1007427		34
803	FUT2 Variants Confer Susceptibility to Familial Otitis Media. 2018 , 103, 679-690		27
802	CFH and ARMS2 Polymorphisms Interact with Zinc Supplements in Cognitive Impairment in the Women's Health Initiative Hormone Trial. 2018 , 66, 707-715		
801	Genome-wide association studies for corneal and refractive astigmatism in UK Biobank demonstrate a shared role for myopia susceptibility loci. 2018 , 137, 881-896		25
800	The Carnitine Shuttle Pathway is Altered in Patients With Neovascular Age-Related Macular Degeneration. 2018 , 59, 4978-4985		21
799	Deciphering the Emerging Complexities of Molecular Mechanisms at GWAS Loci. 2018 , 103, 637-653		62
798	Inherited Retinal Degenerations: Current Landscape and Knowledge Gaps. 2018 , 7, 6		87
797	Genetic Risk Factors for Radiation Vasculopathy. 2018 , 59, 1547-1553		2
796	Another Round of "Clue" to Uncover the Mystery of Complex Traits. 2018, 9,		5
795	Modulation of three key innate immune pathways for the most common retinal degenerative diseases. 2018 , 10,		58
794	Complement System and Age-Related Macular Degeneration: Implications of Gene-Environment Interaction for Preventive and Personalized Medicine. 2018 , 2018, 7532507		19
793	Perspective on AMD Pathobiology: A Bioenergetic Crisis in the RPE. 2018 , 59, AMD41-AMD47		95
79 ²	Genome-wide association meta-analysis highlights light-induced signaling as a driver for refractive error. <i>Nature Genetics</i> , 2018 , 50, 834-848	36.3	135
791	Bisretinoid Photodegradation Is Likely Not a Good Thing. 2018 , 1074, 395-401		6
790	Functional analyses of rare genetic variants in complement component C9 identified in patients with age-related macular degeneration. 2018 , 27, 2678-2688		11
789	Association of Genetic Variants With Response to Anti-Vascular Endothelial Growth Factor Therapy in Age-Related Macular Degeneration. 2018 , 136, 875-884		20
788	Identifying core biological processes distinguishing human eye tissues with precise systems-level gene expression analyses and weighted correlation networks. 2018 , 27, 3325-3339		27
787	Genome-Wide Association Studies Identify Disease Mechanisms in Age-Related Macular Degeneration. 2018 , 125, 962-964		4

786 Words of Uncertain Significance. **2018**, 2, 387-388

785	Progression of Geographic Atrophy in Age-related Macular Degeneration: AREDS2 Report Number 16. 2018 , 125, 1913-1928	71
784	Precision medicine for age-related macular degeneration: current developments and prospects. 2018 , 3, 249-263	2
783	Self-Damage Caused by Dysregulation of the Complement Alternative Pathway: Relevance of the Factor H Protein Family. 2018 , 9, 1607	25
782	A Perspective of AMD Through the Eyes of Immunology. 2018 , 59, AMD83-AMD92	31
781	Prediction of Individual Disease Conversion in Early AMD Using Artificial Intelligence. 2018 , 59, 3199-3208	94
780	Resveratrol Modulates SIRT1 and DNMT Functions and Restores LINE-1 Methylation Levels in ARPE-19 Cells under Oxidative Stress and Inflammation. 2018 , 19,	60
779	Printable Graphene Oxide Micropatterns for a Bio-Subretinal Chip. 2018 , 7, e1800365	13
778	Role of the Complement System in Chronic Central Serous Chorioretinopathy: A Genome-Wide Association Study. 2018 , 136, 1128-1136	27
777	Evaluation of serum sphingolipids and the influence of genetic risk factors in age-related macular degeneration. 2018 , 13, e0200739	9
776	C-Reactive Protein as a Therapeutic Target in Age-Related Macular Degeneration. 2018, 9, 808	25
775	Multimarker and rare variants genomewide association studies for bone weight in Simmental cattle. 2018 , 135, 159-169	5
774	Impaired Cargo Clearance in the Retinal Pigment Epithelium (RPE) Underlies Irreversible Blinding Diseases. 2018 , 7,	34
773	The Cilioretinal Artery-A Friend to Age-Related Macular Degeneration?. 2018 , 136, 1015-1016	
772	A Randomized Phase 2 Study of an Anti-Amyloid Monoclonal Antibody in Geographic Atrophy Secondary to Age-Related Macular Degeneration. 2018 , 2, 1028-1040	30
771	Association of coding and UTR variants in the known regions with wet age-related macular degeneration in Han Chinese population. 2018 , 63, 1055-1070	2
77°	Frontiers of Complex Disease Mechanisms: Membrane Surface Tension May Link Genotype to Phenotype in Glaucoma. 2018 , 6, 32	6
769	Secure genome-wide association analysis using multiparty computation. 2018 , 36, 547-551	72

768	monocyte-dependent retinal atrophy. 2018 , 8, 7348	23
767	Be on Target: Strategies of Targeting Alternative and Lectin Pathway Components in Complement-Mediated Diseases. 2018 , 9, 1851	39
766	Directional ABCA1-mediated cholesterol efflux and apoB-lipoprotein secretion in the retinal pigment epithelium. 2018 , 59, 1927-1939	12
765	Genetic architecture of gene expression traits across diverse populations. 2018, 14, e1007586	57
764	Induction of Ocular Complement Activation by Inflammatory Stimuli and Intraocular Inhibition of Complement Factor D in Animal Models. 2018 , 59, 940-951	9
763	Gene editing in the context of an increasingly complex genome. 2018 , 19, 595	5
762	Selective permeability of mouse blood-aqueous barrier as determined by N-heavy isotope tracing and mass spectrometry. 2018 , 115, 9032-9037	8
761	Age-Related Macular Degeneration. 2018 , 35-70	
760	Genetic study of multimodal imaging Alzheimer's disease progression score implicates novel loci. 2018 , 141, 2167-2180	34
759	Omics studies for comprehensive understanding of immunoglobulin A nephropathy: state-of-the-art and future directions. 2018 , 33, 2101-2112	4
75 ⁸	Investigating the modulation of genetic effects on late AMD by age and sex: Lessons learned and two additional loci. 2018 , 13, e0194321	14
757	Genotype-phenotype correlations of low-frequency variants in the complement system in renal disease and age-related macular degeneration. 2018 , 94, 330-338	12
756	A decade in psychiatric GWAS research. 2019 , 24, 378-389	40
755	Sorsby fundus dystrophy: Insights from the past and looking to the future. 2019 , 97, 88-97	17
754	On the accuracy in high-dimensional linear models and its application to genomic selection. 2019 , 46, 289-313	3
753	Heritability of Regional Brain Volumes in Large-Scale Neuroimaging and Genetic Studies. 2019 , 29, 2904-2914	10
75 ²	Inflammatory and cell death mechanisms induced by 7-ketocholesterol in the retina. Implications for age-related macular degeneration. 2019 , 187, 107746	14
75 ¹	FEZ1 Is Recruited to a Conserved Cofactor Site on Capsid to Promote HIV-1 Trafficking. 2019 , 28, 2373-2385.6	2731

750	Rare variants and loci for age-related macular degeneration in the Ohio and Indiana Amish. 2019 , 138, 1171-1182	2
749	The Association of Aspirin Use with Age-Related Macular Degeneration Progression in the Age-Related Eye Disease Studies: Age-Related Eye Disease Study 2 Report No. 20. 2019 , 126, 1647-1656	6
748	Complement deficiencies and dysregulation: Pathophysiological consequences, modern analysis, and clinical management. 2019 , 114, 299-311	34
747	Prioritising research into age-related macular degeneration. 2019 , 30, 10-17	
746	Single nucleotide polymorphism rs13079080 is associated with differential regulation of the succinate receptor 1 (SUCNR1) gene by miRNA-4470. 2019 , 16, 1547-1554	3
745	Metabolomics in serum of patients with non-advanced age-related macular degeneration reveals aberrations in the glutamine pathway. 2019 , 14, e0218457	8
744	Human Plasma Metabolomics in Age-Related Macular Degeneration: Meta-Analysis of Two Cohorts. 2019 , 9,	13
743	Early local activation of complement in aqueous humour of patients with age-related macular degeneration. 2019 , 33, 1859-1864	12
742	A systems biology approach towards understanding and treating non-neovascular age-related macular degeneration. 2019 , 10, 3347	104
741	Causal Association Between Birth Weight and Adult Diseases: Evidence From a Mendelian Randomization Analysis. 2019 , 10, 618	24
740	No CFH or ARMS2 Interaction with Omega-3 Fatty Acids, Low versus High Zinc, or 配arotene versus Lutein and Zeaxanthin on Progression of Age-Related Macular Degeneration in the Age-Related Eye Disease Study 2 Report No. 18. 2019 , 126, 1541-1548	12
739	Single-cell transcriptomic atlas of the human retina identifies cell types associated with age-related macular degeneration. 2019 , 10, 4902	100
738	Functional Genomics of the Retina to Elucidate its Construction and Deconstruction. 2019, 20,	3
737	Complement Factor H Gene Mutations: Implications for Genetic Testing and Precision Medicine in Macular Degeneration. 2019 , 126, 1422-1423	1
736	Informing disease modelling with brain-relevant functional genomic annotations. 2019 , 142, 3694-3712	3
735	Trends in intracranial meningioma incidence in the United States, 2004-2015. 2019 , 8, 6458-6467	15
734	Association of Genetic Variants With Primary Open-Angle Glaucoma Among Individuals With African Ancestry. 2019 , 322, 1682-1691	31
733	Dyslipidemia in retinal metabolic disorders. 2019 , 11, e10473	28

732	Pluripotent Stem Cells to Model Degenerative Retinal Diseases: The RPE Perspective. 2019 , 1186, 1-31	5
731	A comprehensive study of metabolite genetics reveals strong pleiotropy and heterogeneity across time and context. 2019 , 10, 4788	25
730	The transcriptome of peripheral blood mononuclear cells in patients with clinical subtypes of late age-related macular degeneration. 2019 , 16, 20	7
729	Prevalence, Risk, and Genetic Association of Reticular Pseudodrusen in Age-related Macular Degeneration: Age-Related Eye Disease Study 2 Report 21. 2019 , 126, 1659-1666	37
728	Pathway Analysis Integrating Genome-Wide and Functional Data Identifies PLCG2 as a Candidate Gene for Age-Related Macular Degeneration. 2019 , 60, 4041-4051	7
727	[Dry Age-Related Macular Degeneration - Epidemiology and Classification]. 2019, 236, 1068-1075	О
726	Haplotypes of rs1120638, rs9621532, rs833068, rs10033900, rs3793784, and rs56209061 Gene Polymorphisms in Age-Related Macular Degeneration. 2019 , 2019, 9602949	4
725	Modification of the disease phenotype by a mutation in. 2019 , 40, 369-375	9
724	Mechanisms Underlying the Visual Benefit of Cell Transplantation for the Treatment of Retinal Degenerations. 2019 , 20,	3
723	Molecular Classification and Comparative Taxonomics of Foveal and Peripheral Cells in Primate Retina. 2019 , 176, 1222-1237.e22	184
722	A lasered mouse model of retinal degeneration displays progressive outer retinal pathology providing insights into early geographic atrophy. 2019 , 9, 7475	11
721	Genetic analyses of human fetal retinal pigment epithelium gene expression suggest ocular disease mechanisms. 2019 , 2, 186	10
720	Assessment of Novel Genome-Wide Significant Gene Loci and Lesion Growth in Geographic Atrophy Secondary to Age-Related Macular Degeneration. 2019 , 137, 867-876	15
719	Genetic and Epigenetic Fine Mapping of Complex Trait Associated Loci in the Human Liver. 2019 , 105, 89-107	20
718	Overview of Risk Factors for Age-Related Macular Degeneration. 2019 , 17-30	
717	Vascular Inflammation Risk Factors in Retinal Disease. 2019 , 5, 99-122	3
716	When Genetics Can Point Researchers and Clinicians in New Directions. 2019 , 137, 876-877	1
715	The Utah Protocol for Postmortem Eye Phenotyping and Molecular Biochemical Analysis. 2019 , 60, 1204-121	2 11

714	Birth weight is not causally associated with adult asthma: results from instrumental variable analyses. 2019 , 9, 7647	3
713	Loss-of-Function Mutations in the CFH Gene Affecting Alternatively Encoded Factor H-like 1 Protein Cause Dominant Early-Onset Macular Drusen. 2019 , 126, 1410-1421	17
712	Genetic risk score has added value over initial clinical grading stage in predicting disease progression in age-related macular degeneration. 2019 , 9, 6611	10
711	A commonly occurring genetic variant within the NPLOC4-TSPAN10-PDE6G gene cluster is associated with the risk of strabismus. 2019 , 138, 723-737	16
710	Human iPSC-Derived Retinal Pigment Epithelium: A Model System for Prioritizing and Functionally Characterizing Causal Variants at AMD Risk Loci. 2019 , 12, 1342-1353	24
709	Imaging, Genetic, and Demographic Factors Associated With Conversion to Neovascular Age-Related Macular Degeneration: Secondary Analysis of a Randomized Clinical Trial. 2019 , 137, 738-744	15
708	A Prospective Study on Hereditary Bias of Age-Related Macular Degeneration. 2019 , 3, 90-93	
707	The Placental Growth Factor Pathway and Its Potential Role in Macular Degenerative Disease. 2019 , 44, 813-822	6
706	Gene and Induced Pluripotent Stem Cell Therapy for Retinal Diseases. 2019 , 20, 201-216	18
705	On the differences between mega- and meta-imputation and analysis exemplified on the genetics of age-related macular degeneration. 2019 , 43, 559-576	2
704	Association of rs10490924 in ARMS2/HTRA1 with age-related macular degeneration in the Pakistani population. 2019 , 83, 285-290	3
703	Transcriptome-wide analysis of differentially expressed chemokine receptors, SNPs, and SSRs in the age-related macular degeneration. 2019 , 13, 15	12
702	Using Human Genetics to Drive Drug Discovery: A Perspective. 2019 , 74, 111-119	5
701	Analysis of genetic polymorphisms for age-related macular degeneration (AMD) in Chinese Tujia ethnic minority group. 2019 , 20, 25	8
700	Importance of the intestinal microbiota in ocular inflammatory diseases: A review. 2019, 47, 418-422	26
699	Recombinant Production of MFHR1, A Novel Synthetic Multitarget Complement Inhibitor, in Moss Bioreactors. 2019 , 10, 260	12
698	Meta-analysis of the rs243865 MMP-2 polymorphism and age-related macular degeneration risk. 2019 , 14, e0213624	3
697	A gene-based recessive diplotype exome scan discovers , a novel hepcidin-regulating iron-metabolism gene. 2019 , 133, 1888-1898	12

(2019-2019)

696	Refractive Error Has Minimal Influence on the Risk of Age-Related Macular Degeneration: A Mendelian Randomization Study. 2019 , 206, 87-93		6
695	Cohort profile: design and methods in the eye and vision consortium of UK Biobank. 2019 , 9, e025077		31
694	Microglial Function Is Distinct in Different Anatomical Locations during Retinal Homeostasis and Degeneration. 2019 , 50, 723-737.e7		105
693	The Common Antidiabetic Drug Metformin Reduces Odds of Developing Age-Related Macular Degeneration. 2019 , 60, 1470-1477		34
692	Genetics. 2019 , 49-70		
691	The Interplay between miRNA-Related Variants and Age-Related Macular Degeneration: EVIDENCE of Association of and. 2019 , 20,		11
690	Non-viral vectors based on cationic niosomes and minicircle DNA technology enhance gene delivery efficiency for biomedical applications in retinal disorders. 2019 , 17, 308-318		19
689	Geriatric Ophthalmology. 2019 ,		1
688	Exome sequencing in families with chronic central serous chorioretinopathy. 2019 , 7, e00576		9
687	Retinal transcriptome and eQTL analyses identify genes associated with age-related macular degeneration. <i>Nature Genetics</i> , 2019 , 51, 606-610	5.3	93
686	GRIK5 Genetically Regulated Expression Associated with Eye and Vascular Phenomes: Discovery through Iteration among Biobanks, Electronic Health Records, and Zebrafish. 2019 , 104, 503-519		10
685	Genetic meta-analysis of diagnosed Alzheimer's disease identifies new risk loci and implicates A# tau, immunity and lipid processing. <i>Nature Genetics</i> , 2019 , 51, 414-430	5.3	917
684	Age-Related Macular Degeneration: Clinical Management. 2019 , 53-66		
683	Is Retinal Metabolic Dysfunction at the Center of the Pathogenesis of Age-related Macular Degeneration?. 2019 , 20,		39
682	Impaired ABCA1/ABCG1-mediated lipid efflux in the mouse retinal pigment epithelium (RPE) leads to retinal degeneration. 2019 , 8,		32
681	Protecting the Aging Retina. 2019 ,		1
680	Evaluation of the association of with neovascular age-related macular degeneration and polypoidal choroidal vasculopathy. 2019 , 6, 34		2
679	Genetic Risk Scores. 2019 , 104, e95		19

678	Low Birth Weight Is Linked to Age-Related Macular Degeneration: Results From the Population-Based Gutenberg Health Study (GHS). 2019 , 60, 4943-4950	8
677	Cell-Type-Specific Complement Expression in the Healthy and Diseased Retina. 2019 , 29, 2835-2848.e4	44
676	Sorsby Fundus Dystrophy Mutation in Tissue Inhibitor of Metalloproteinase 3 (TIMP3) promotes Choroidal Neovascularization via a Fibroblast Growth Factor-dependent Mechanism. 2019 , 9, 17429	7
675	Do age-related macular degeneration genes show association with keratoconus?. 2019 , 6, 38	5
674	Genome-wide association analyses identify two susceptibility loci for pachychoroid disease central serous chorioretinopathy. 2019 , 2, 468	19
673	Assessing the performance of genome-wide association studies for predicting disease risk. 2019 , 14, e0220215	19
672	Oxidative stress induces ferroptotic cell death in retinal pigment epithelial cells. 2019 , 181, 316-324	52
671	Y chromosome mosaicism is associated with age-related macular degeneration. 2019 , 27, 36-41	27
670	Metabolomics and Age-Related Macular Degeneration. 2018, 9,	21
669	Pharmaceutical Development of AAV-Based Gene Therapy Products for the Eye. 2018 , 36, 29	88
668	Genome-wide association analyses identify 139 loci associated with macular thickness in the UK Biobank cohort. 2019 , 28, 1162-1172	38
667	On the origin of proteins in human drusen: The meet, greet and stick hypothesis. 2019 , 70, 55-84	44
666	Validated Prediction Models for Macular Degeneration Progression and Predictors of Visual Acuity Loss Identify High-Risk Individuals. 2019 , 198, 223-261	22
665	The ARMS2 A69S Polymorphism Is Associated with Delayed Rod-Mediated Dark[Adaptation in Eyes at Risk for Incident Age-Related Macular Degeneration. 2019 , 126, 591-600	20
664	Copula-based score test for bivariate time-to-event data, with application to a genetic study of AMD progression. 2019 , 25, 546-568	8
663	Whole genome sequence association with E-selectin levels reveals loss-of-function variant in African Americans. 2019 , 28, 515-523	10
662	Enabling genome-wide association testing with multiple diseases and no healthy controls. 2019 , 684, 118-123	О
661	Asian age-related macular degeneration: from basic science research perspective. 2019 , 33, 34-49	12

660	Genomic and Phenomic Research in the 21st Century. 2019 , 35, 29-41	13
659	Onset of Retinal Pigment Epithelium Atrophy Subsequent to Anti-VEGF Therapy in Patients with Neovascular Age-Related Macular Degeneration. 2019 , 241, 154-160	5
658	In Vivo Stability Profiles of Anti-factor D Molecules Support Long-Acting Delivery Approaches. 2019 , 16, 86-95	1
657	Increased High-Density Lipoprotein Levels Associated with Age-Related Macular Degeneration: Evidence from the EYE-RISK and European Eye Epidemiology Consortia. 2019 , 126, 393-406	49
656	The impact of lipids, lipid oxidation, and inflammation on AMD, and the potential role of miRNAs on lipid metabolism in the RPE. 2019 , 181, 346-355	37
655	Natural History of Drusenoid Pigment Epithelial Detachment Associated with Age-Related Macular Degeneration: Age-Related Eye Disease Study 2 Report No. 17. 2019 , 126, 261-273	19
654	The association between complement factor H rs1061170 polymorphism and age-related macular degeneration: a comprehensive meta-analysis stratified by stage of disease and ethnicity. 2019 , 97, e8-e21	12
653	Exploring the role of genetic confounding in the association between maternal and offspring body mass index: evidence from three birth cohorts. 2020 , 49, 233-243	7
652	Integrative analysis of rare copy number variants and gene expression data in alopecia areata implicates an aetiological role for autophagy. 2020 , 29, 243-253	8
651	Genetic testing of various eye disorders. 2020 , 239-258	
650	Clinical implications of recent advances in primary open-angle glaucoma genetics. 2020, 34, 29-39	28
649	Age-related macular degeneration. 2020 , 155-180	10
648	Complement C3 Inhibitor Pegcetacoplan for Geographic Atrophy Secondary to Age-Related Macular Degeneration: A Randomized Phase 2 Trial. 2020 , 127, 186-195	101
647	Segregation, linkage, GWAS, and sequencing. 2020 , 7-23	
646	Genetic risk scores in complex eye disorders. 2020 , 259-275	4
645	Pleiotropy in eye disease and related traits. 2020 , 315-336	1
644	The genetics of human ageing. 2020 , 21, 88-101	86
643	Gene-based association analysis for bivariate time-to-event data through functional regression with copula models. 2020 , 76, 619-629	4

642	The role of hypoxia-inducible factors in neovascular age-related macular degeneration: a gene therapy perspective. 2020 , 77, 819-833	21
641	Using Mendelian randomization to evaluate the causal relationship between serum C-reactive protein levels and age-related macular degeneration. 2020 , 35, 139-146	19
640	Age-related macular degeneration: A two-level model hypothesis. 2020 , 76, 100825	58
639	Selecting likely causal risk factors from high-throughput experiments using multivariable Mendelian randomization. 2020 , 11, 29	34
638	Predictive genetics for AMD: Hype and hopes for genetics-based strategies for treatment and prevention. 2020 , 191, 107894	7
637	Association of Genetic Variation With Keratoconus. 2020 , 138, 174-181	24
636	Age-Related Macular Degeneration Preferred Practice Pattern . 2020, 127, P1-P65	76
635	Mitochondrial Defects Drive Degenerative Retinal Diseases. 2020 , 26, 105-118	35
634	Protective effect of Prunella vulgaris var. L extract against blue light induced damages in ARPE-19 cells and mouse retina. 2020 , 152, 622-631	9
633	Incidence of Macular Atrophy after Untreated Neovascular Age-Related Macular Degeneration: Age-Related Eye Disease Study Report 40. 2020 , 127, 784-792	7
632	CHOROIDAL THICKNESS AND VASCULARITY VARY WITH DISEASE SEVERITY AND SUBRETINAL DRUSENOID DEPOSIT PRESENCE IN NONADVANCED AGE-RELATED MACULAR DEGENERATION. 2020 , 40, 632-642	25
631	The Diverse Roles of TIMP-3: Insights into Degenerative Diseases of the Senescent Retina and Brain. 2019 , 9,	8
630	Bone Marrow-Derived Mononuclear Cell Transplants Decrease Retinal Gliosis in Two Animal Models of Inherited Photoreceptor Degeneration. 2020 , 21,	1
629	Modeling the activation of the alternative complement pathway and its effects on hemolysis in health and disease. 2020 , 16, e1008139	1
628	[On the inflammatory origins of AMD]. 2020 , 36, 886-892	3
627	A Multi-Omics Approach Identifies Key Regulatory Pathways Induced by Long-Term Zinc Supplementation in Human Primary Retinal Pigment Epithelium. 2020 , 12,	4
626	T and genetic variations between Asian and Caucasian polypoidal choroidal vasculopathy. 2021 , 105, 1716-1723	2
625	Retinal Manifestations of Mitochondrial Oxidative Phosphorylation Disorders. 2020 , 61, 12	3

624	Genome-wide association study-based deep learning for survival prediction. 2020 , 39, 4605-4620	8
623	Epigenetic hallmarks of age-related macular degeneration are recapitulated in a photosensitive mouse model. 2020 , 29, 2611-2624	7
622	GADL1 is a multifunctional decarboxylase with tissue-specific roles in alanine and carnosine production. 2020 , 6, eabb3713	12
621	Measuring the Contributions of Basal Laminar Deposit and Bruch's Membrane in Age-Related Macular Degeneration. 2020 , 61, 19	22
620	Baseline characteristics and age-related macular degeneration in participants of the "ASPirin in Reducing Events in the Elderly" (ASPREE)-AMD trial. 2020 , 20, 100667	1
619	Superficial peroneal nerve accessory artery (SPNAA) flap for head and neck reconstruction: A cadaveric anatomical study and retrospective case series review. 2021 , 74, 1524-1533	1
618	Control of Complement Activation by the Long Pentraxin PTX3: Implications in Age-Related Macular Degeneration. 2020 , 11, 591908	4
617	Altered Protein Function Caused by AMD-associated Variant rs704 Links Vitronectin to Disease Pathology. 2020 , 61, 2	3
616	Choroidal vascular changes in age-related macular degeneration: A protocol for systematic review and meta-analysis. 2020 , 99, e23200	1
615	The Aging Stress Response and Its Implication for AMD Pathogenesis. 2020 , 21,	8
614	Genetic Risk, Lifestyle, and Age-Related Macular Degeneration in Europe: The EYE-RISK Consortium. 2021 , 128, 1039-1049	11
614		3
	Consortium. 2021 , 128, 1039-1049 The retinal pigment epithelium in Sorsby Fundus Dystrophy shows increased sensitivity to oxidative	
613	Consortium. 2021, 128, 1039-1049 The retinal pigment epithelium in Sorsby Fundus Dystrophy shows increased sensitivity to oxidative stress-induced degeneration. 2020, 37, 101681 Complement activation, lipid metabolism, and mitochondrial injury: Converging pathways in	3
613	Consortium. 2021, 128, 1039-1049 The retinal pigment epithelium in Sorsby Fundus Dystrophy shows increased sensitivity to oxidative stress-induced degeneration. 2020, 37, 101681 Complement activation, lipid metabolism, and mitochondrial injury: Converging pathways in age-related macular degeneration. 2020, 37, 101781 Autophagy Genes for Wet Age-Related Macular Degeneration in a Finnish Case-Control Study. 2020	6
613 612	Consortium. 2021, 128, 1039-1049 The retinal pigment epithelium in Sorsby Fundus Dystrophy shows increased sensitivity to oxidative stress-induced degeneration. 2020, 37, 101681 Complement activation, lipid metabolism, and mitochondrial injury: Converging pathways in age-related macular degeneration. 2020, 37, 101781 Autophagy Genes for Wet Age-Related Macular Degeneration in a Finnish Case-Control Study. 2020, 11, Association of plasma trace element levels with neovascular age-related macular degeneration.	364
613 612 611	Consortium. 2021, 128, 1039-1049 The retinal pigment epithelium in Sorsby Fundus Dystrophy shows increased sensitivity to oxidative stress-induced degeneration. 2020, 37, 101681 Complement activation, lipid metabolism, and mitochondrial injury: Converging pathways in age-related macular degeneration. 2020, 37, 101781 Autophagy Genes for Wet Age-Related Macular Degeneration in a Finnish Case-Control Study. 2020, 11, Association of plasma trace element levels with neovascular age-related macular degeneration. 2020, 201, 108324 In vitro stem cell modelling demonstrates a proof-of-concept for excess functional mutant TIMP3	3645

606	Chances and challenges of machine learning-based disease classification in genetic association studies illustrated on age-related macular degeneration. 2020 , 44, 759-777	3
605	Sharing of Genetic Association Signals by Age-Related Macular Degeneration and Alzheimer's Disease at Multiple Levels. 2020 , 57, 4488-4499	2
604	High-density lipoproteins are a potential therapeutic target for age-related macular degeneration. 2020 , 295, 13601-13616	5
603	Development of a Genotype Assay for Age-Related Macular Degeneration: The EYE-RISK Consortium. 2021 , 128, 1604-1617	19
602	Statistical driver genes as a means to uncover missing heritability for age-related macular degeneration. 2020 , 13, 95	
601	Combining Gene-Disease Associations with Single-Cell Gene Expression Data Provides Anatomy-Specific Subnetworks in Age-Related Macular Degeneration. 2020 , 3, 105-121	8
600	Pleiotropic Locus 15q24.1 Reveals a Gender-Specific Association with Neovascular but Not Atrophic Age-Related Macular Degeneration (AMD). 2020 , 9,	2
599	The Role of SNPs in and Genes in Age-related Macular Degeneration Development and Treatment Efficacy. 2020 , 34, 2443-2451	2
598	Drug Delivery Challenges and Novel Therapeutic Approaches for Retinal Diseases. 2020,	О
597	Cell Types of the Human Retina and Its Organoids at Single-Cell Resolution. 2020 , 182, 1623-1640.e34	130
596	Role of retinal pigment epithelium in age-related macular disease: a systematic review. 2021 , 105, 1469-1474	8
595	Matrix Metalloproteinases in Age-Related Macular Degeneration (AMD). 2020 , 21,	9
594	NEI-Supported Age-Related Macular Degeneration Research: Past, Present, and Future. 2020 , 9, 49	4
593	Genome-wide association meta-analysis for early age-related macular degeneration highlights novel loci and insights for advanced disease. 2020 , 13, 120	19
592	Properdin Modulates Complement Component Production in Stressed Human Primary Retinal Pigment Epithelium Cells. 2020 , 9,	5
591	Predicting risk of late age-related macular degeneration using deep learning. 2020 , 3, 111	12
590	Pluripotent Stem Cells for the Treatment of Retinal Degeneration: Current Strategies and Future Directions. 2020 , 8, 743	6
589	Plasma Biomarkers of Reticular Pseudodrusen and the Risk of Progression to Advanced Age-Related Macular Degeneration. 2020 , 9, 12	8

(2020-2020)

588	Genome sequencing and population genomics modeling provide insights into the local adaptation of weeping forsythia. 2020 , 7, 130	12
587	Oxidative Stress and Vascular Dysfunction in the Retina: Therapeutic Strategies. 2020 , 9,	20
586	Macular retinal thickness differs markedly in age-related macular degeneration driven by risk polymorphisms on chromosomes 1 and 10. 2020 , 10, 21093	10
585	The Effect of Genetic Variants Associated With Age-Related Macular Degeneration Varies With Age. 2020 , 61, 17	1
584	Ocular Microbiota and Intraocular Inflammation. 2020 , 11, 609765	12
583	Metabolomics in Age-Related Macular Degeneration: A Systematic Review. 2020 , 61, 13	8
582	Quantitative multiplex profiling of the complement system to diagnose complement-mediated diseases. 2020 , 9, e1225	5
581	Gloomy Prospects and Roller Coasters: Finding Coherence in Genome-Wide Association Studies. 2020 , 87, 1084-1095	1
580	IFN-Bignaling dampens microglia reactivity but does not prevent from light-induced retinal degeneration. 2020 , 24, 100866	1
579	Learning from Fifteen Years of Genome-Wide Association Studies in Age-Related Macular Degeneration. 2020 , 9,	5
578	APOE2: protective mechanism and therapeutic implications for Alzheimer's disease. 2020 , 15, 63	35
577	Adherence to the Mediterranean Diet and Progression to Late Age-Related Macular Degeneration in the Age-Related Eye Disease Studies 1 and 2. 2020 , 127, 1515-1528	13
576	The exhaustive genomic scan approach, with an application to rare-variant association analysis. 2020 , 28, 1283-1291	0
575	Genetic Association of Age-Related Macular Degeneration and Polypoidal Choroidal Vasculopathy. 2020 , 9, 104-109	5
574	Genotype- and Phenotype-Based Subgroups in Geographic Atrophy Secondary to Age-Related Macular Degeneration: The EYE-RISK Consortium. 2020 , 4, 1129-1137	12
573	Secure large-scale genome-wide association studies using homomorphic encryption. 2020 , 117, 11608-11613	22
572	Genetic Susceptibility, Diet Quality, and Two-Step Progression in Drusen Size. 2020 , 61, 17	5
571	Integrating Metabolomics, Genomics, and Disease Pathways in Age-Related Macular Degeneration: The EYE-RISK Consortium. 2020 , 127, 1693-1709	11

570	A multiethnic genome-wide analysis of 44,039 individuals identifies 41 new loci associated with central corneal thickness. 2020 , 3, 301	14
569	Pluripotent stem cell-derived retinal organoids for disease modeling and development of therapies. 2020 , 38, 1206-1215	37
568	Effect of rare coding variants in the CFI gene on Factor I expression levels. 2020 , 29, 2313-2324	11
567	Rare Genetic Variants in Complement Factor I Lead to Low FI Plasma Levels Resulting in Increased Risk of Age-Related Macular Degeneration. 2020 , 61, 18	12
566	Cell Atlas of The Human Fovea and Peripheral Retina. 2020 , 10, 9802	52
565	Complement Activation Levels Are Related to Disease Stage in AMD. 2020 , 61, 18	24
564	MiR-1246 promotes anti-apoptotic effect of mini-A in oxidative stress-induced apoptosis in retinal pigment epithelial cells. 2020 , 48, 682-688	3
563	Major Predictive Factors for Progression of Early to Late Age-Related Macular Degeneration. 2020 , 243, 444-452	8
562	All-relevant feature selection using multidimensional filters with exhaustive search. 2020, 524, 277-297	15
561	Integrated bioinformatics analysis of aberrantly-methylated differentially-expressed genes and pathways in age-related macular degeneration. 2020 , 20, 119	2
560	Site-Specific and Quantitative N-Glycan Heterogeneity Analysis of the Charge Isomers of an Anti-VEGF Recombinant Fusion Protein by High-Resolution Two-Dimensional Gel Electrophoresis and Mass Spectrometry. 2020 , 92, 5695-5700	3
559	Identification of as a susceptibility gene for neovascular age-related macular degeneration and polypoidal choroidal vasculopathy. 2021 , 105, 1035-1040	1
558	Neovascular Age-Related Macular Degeneration and its Association with Alzheimer's Disease. 2020 , 13, 102-112	2
557	Modulation of inflammatory processes by thermal stimulating and RPE regenerative laser therapies in age related macular degeneration mouse models. 2020 , 2, 100031	2
556	Characteristics of Pachychoroid Diseases and Age-Related Macular Degeneration: Multimodal Imaging and Genetic Backgrounds. 2020 , 9,	14
555	Retinal pigment epithelium transcriptome analysis in chronic smoking reveals a suppressed innate immune response and activation of differentiation pathways. 2020 , 156, 176-189	2
554	Human pluripotent stem cells: A toolbox to understand and treat retinal degeneration. 2020 , 107, 103523	6
553	RNA sequencing analysis of the human retina and associated ocular tissues. 2020 , 7, 199	3

(2020-2020)

552	Age-related Macular Degeneration: Nutrition, Genes and Deep Learning-The LXXVI Edward Jackson Memorial Lecture. 2020 , 217, 335-347	4
551	The role of semaphorins in small vessels of the eye and brain. 2020 , 160, 105044	6
550	Inflammation and matrix metalloproteinase 9 (Mmp-9) regulate photoreceptor regeneration in adult zebrafish. 2020 , 68, 1445-1465	22
549	Increased circulating levels of Factor H-Related Protein 4 are strongly associated with age-related macular degeneration. 2020 , 11, 778	36
548	Risk factors for progression of age-related macular degeneration. 2020 , 40, 140-170	69
547	Deep-learning-based Prediction of Late Age-Related Macular Degeneration Progression. 2020 , 2, 141-150	35
546	Identification of differentially expressed genes under heat stress conditions in rice (Oryza sativa L.). 2020 , 47, 1935-1948	7
545	The cell biology of the retinal pigment epithelium. 2020 , 78, 100846	86
544	Association of a Variant in VWA3A with Response to Anti-Vascular Endothelial Growth Factor Treatment in Neovascular AMD. 2020 , 61, 48	2
543	LINC00167 Regulates RPE Differentiation by Targeting the miR-203a-3p/SOCS3 Axis. 2020 , 19, 1015-1026	10
542	Higher Intake of Polyunsaturated Fatty Acid and Monounsaturated Fatty Acid is Inversely Associated With AMD. 2020 , 61, 20	6
541	An association of neovascular age-related macular degeneration with polymorphisms of CFH, ARMS2, HTRA1 and C3 genes in Czech population. 2020 , 98, e691-e699	7
540	Integration of eQTL and a Single-Cell Atlas in the Human Eye Identifies Causal Genes for Age-Related Macular Degeneration. 2020 , 30, 1246-1259.e6	62
539	C3 Function and Inhibition in Geographic Atrophy: Interesting Insights from a Phase 2 Study. 2020 , 127, 196-197	5
538	Repository of proposed pathways and protein-protein interaction networks in age-related macular degeneration. 2020 , 6, 2	15
537	A transcriptome-wide association study based on 27 tissues identifies 106 genes potentially relevant for disease pathology in age-related macular degeneration. 2020 , 10, 1584	14
536	Development of a therapeutic anti-HtrA1 antibody and the identification of DKK3 as a pharmacodynamic biomarker in geographic atrophy. 2020 , 117, 9952-9963	12
535	Retinal degeneration. 2020 , 1145-1162	

534	Models of Pathologies Associated with Age-Related Macular Degeneration and Their Utilities in Drug Discovery. 2020 , 83-123	O
533	Genome-wide meta-analysis identifies novel loci associated with age-related macular degeneration. 2020 , 65, 657-665	21
532	Family-based exome sequencing identifies rare coding variants in age-related macular degeneration. 2020 , 29, 2022-2034	9
531	The Genetics of Epilepsy. 2020 , 21, 205-230	30
530	Improving the coverage of credible sets in Bayesian genetic fine-mapping. 2020 , 16, e1007829	16
529	Anaphylatoxin concentration in aqueous and vitreous humor in the eyes with vitreoretinal interface abnormalities. 2020 , 195, 108025	2
528	Large Animal Models of Inherited Retinal Degenerations: A Review. 2020 , 9,	17
527	Adherence to a Mediterranean diet and cognitive function in the Age-Related Eye Disease Studies 1 & 2. 2020 , 16, 831-842	14
526	Response of Retinal Pigment Epithelium (RPE)-Choroid Explants to Thermal Stimulation Therapy of the RPE (TSR). 2021 , 53, 359-369	1
525	Gene-Based Association Testing of Dichotomous Traits With Generalized Functional Linear Mixed Models Using Extended Pedigrees: Applications to Age-Related Macular Degeneration. 2021 , 116, 531-545	1
524	Predicting Progression to Advanced Age-Related Macular Degeneration from Clinical, Genetic, and Lifestyle Factors Using[Machine Learning. 2021 , 128, 587-597	8
523	Identification of aberrantly expressed circular RNAs in hyperlipidemia-induced retinal vascular dysfunction in mice. 2021 , 113, 593-600	O
522	Novel score test to increase power in association test by integrating external controls. 2021 , 45, 293-304	3
521	The effects of eight serum lipid biomarkers on age-related macular degeneration risk: a Mendelian randomization study. 2021 , 50, 325-336	4
520	Revisiting the role of factor H in age-related macular degeneration: Insights from complement-mediated renal disease and rare genetic variants. 2021 , 66, 378-401	7
519	EFEMP1 Overexpression Contributes to Neovascularization in Age-Related Macular Degeneration. 2020 , 11, 547436	3
518	Microfluidic organ-on-a-chip model of the outer blood-retinal barrier with clinically relevant read-outs for tissue permeability and vascular structure. 2021 , 21, 272-283	7
517	An exploration of genetic association tests for disease risk and age at onset. 2021 , 45, 249-279	O

(2021-2021)

516	Nonclinical Safety Assessment of FHTR2163, An Antigen-Binding Fragment Against HTRA1 for the Treatment of Geographic Atrophy. 2021 , 49, 610-620	0
515	Multi-omics study for interpretation of genome-wide association study. 2021 , 66, 3-10	10
514	Association of imaging biomarkers and local activation of complement in aqueous humor of patients with early forms of age-related macular degeneration. 2021 , 259, 623-632	3
513	Dietary Nutrient Intake and Progression to Late Age-Related Macular Degeneration in the Age-Related Eye Disease Studies 1 and 2. 2021 , 128, 425-442	21
512	Copula-based semiparametric regression method for bivariate data under general interval censoring. 2021 , 22, 315-330	14
511	Age-Related Macular Degeneration: From Epigenetics to Therapeutic Implications. 2021 , 1256, 221-235	2
510	A hypomorphic variant in EYS detected by genome-wide association study contributes toward retinitis pigmentosa. 2021 , 4, 140	1
509	Contributions of Promoter Variants to Complex Eye Diseases. 2021 , 251-273	
508	Naturally occurring combinations of receptors from single cell transcriptomics in endothelial cells.	
507	Age-Related Macular Degeneration: Role of Oxidative Stress and Blood Vessels. 2021, 22,	19
507 506	Age-Related Macular Degeneration: Role of Oxidative Stress and Blood Vessels. 2021 , 22, Regenerative nanomedicine applications for neurodegenerative diseases of central nervous system. 2021 , 259-287	19
	Regenerative nanomedicine applications for neurodegenerative diseases of central nervous	, i
506	Regenerative nanomedicine applications for neurodegenerative diseases of central nervous system. 2021 , 259-287	, i
506	Regenerative nanomedicine applications for neurodegenerative diseases of central nervous system. 2021, 259-287 Pharmacotherapy of Age-Related Macular Degeneration. 2021, 1-26 The Impact of Oxidative Stress on Blood-Retinal Barrier Physiology in Age-Related Macular	1
506 505 504	Regenerative nanomedicine applications for neurodegenerative diseases of central nervous system. 2021, 259-287 Pharmacotherapy of Age-Related Macular Degeneration. 2021, 1-26 The Impact of Oxidative Stress on Blood-Retinal Barrier Physiology in Age-Related Macular Degeneration. 2021, 10, Age-Related Macular Degeneration Revisited: From Pathology and Cellular Stress to Potential	1 20
506 505 504 503	Regenerative nanomedicine applications for neurodegenerative diseases of central nervous system. 2021, 259-287 Pharmacotherapy of Age-Related Macular Degeneration. 2021, 1-26 The Impact of Oxidative Stress on Blood-Retinal Barrier Physiology in Age-Related Macular Degeneration. 2021, 10, Age-Related Macular Degeneration Revisited: From Pathology and Cellular Stress to Potential Therapies. 2020, 8, 612812	1 20
506 505 504 503 502	Regenerative nanomedicine applications for neurodegenerative diseases of central nervous system. 2021, 259-287 Pharmacotherapy of Age-Related Macular Degeneration. 2021, 1-26 The Impact of Oxidative Stress on Blood-Retinal Barrier Physiology in Age-Related Macular Degeneration. 2021, 10, Age-Related Macular Degeneration Revisited: From Pathology and Cellular Stress to Potential Therapies. 2020, 8, 612812 Epigenetics in ocular medicine. 2021, 347-373 Genome-wide functional screen of 3DTR variants uncovers causal variants for human disease and	1 20 13

498 Gene Therapy in the Treatment of Geographic Atrophy. **2021**, 61, 241-247

497	Cellular senescence in the aging retina and developments of senotherapies for age-related macular degeneration. 2021 , 18, 32	20
496	New Technologies to Study Functional Genomics of Age-Related Macular Degeneration. 2020 , 8, 604220	4
495	Biometrics, Impact, and Significance of Basal Linear Deposit and Subretinal Drusenoid Deposit in Age-Related Macular Degeneration. 2021 , 62, 33	12
494	Immunological Aspects of Age-Related Macular Degeneration. 2021 , 1256, 143-189	3
493	Oxidative stress alters transcript localization of disease-causing genes in the retinal pigment epithelium.	O
492	Topological analysis of single-cell data reveals shared glial landscape of macular degeneration and neurodegenerative diseases.	О
49 ¹	The Contribution of Rare Allele and Junk Genome in AMD Pathogenesis. 2021 , 89-96	O
490	Functional Characterization of Rare Genetic Variants in the N-Terminus of Complement Factor H in aHUS, C3G, and AMD. 2020 , 11, 602284	4
489	Innate Immunity in Age-Related Macular Degeneration. 2021 , 1256, 121-141	2
488	The ocular tissue-specificity of differentially expressed age-related macular degeneration associated genes.	
487	The interplay of oxidative stress and ARMS2-HTRA1 genetic risk in neovascular AMD. 2021 , 5,	1
486	Multi-omic Analysis of Developing Human Retina and Organoids Reveals Cell-Specific Cis-Regulatory Elements and Mechanisms of Non-Coding Genetic Disease Risk.	1
485	Proteome Landscape of Epithelial-to-Mesenchymal Transition (EMT) of Retinal Pigment Epithelium Shares Commonalities With Malignancy-Associated EMT. 2021 , 20, 100131	1
484	Genetics of Age-Related Macular Degeneration. 2021 , 1-55	
483	Integrated Analysis of DNA methylation and transcriptome profile to identify key features of age-related macular degeneration. 2021 , 12, 7061-7078	3
482	Age-Related Macular Degeneration: Epidemiology and Clinical Aspects. 2021 , 1256, 1-31	2
481	Early middle age cholesterol levels and the association with age-related macular degeneration. 2021 , 99, e1063-e1069	1

(2021-2021)

480	Transcriptomics analysis of Ccl2/Cx3cr1/Crb1 deficient mice provides new insights into the pathophysiology of progressive retinal degeneration. 2021 , 203, 108424	5
479	Topographic Distribution and Progression of Soft Drusen Volume in Age-Related Macular Degeneration Implicate Neurobiology of Fovea. 2021 , 62, 26	7
478	Comparison of risk allele frequencies of single nucleotide polymorphisms associated with age-related macular degeneration in different ethnic groups. 2021 , 21, 97	5
477	Genome-Wide Association Studies-Based Machine Learning for Prediction of Age-Related Macular Degeneration Risk. 2021 , 10, 29	4
476	Elevated Apolipoprotein A1 and HDL Cholesterol Associated with Age-related Macular Degeneration: 2 Population Cohorts. 2021 , 106, e2749-e2758	2
475	Single-cell RNA sequencing: An overview for the ophthalmologist. 2021 , 36, 191-197	
474	Donor genetic variants as risk factors for thrombosis after liver transplantation: A genome-wide association study. 2021 , 21, 3133-3147	0
473	Progression of Geographic Atrophy with Subsequent Exudative Neovascular Disease in Age-Related Macular Degeneration: AREDS2 Report 24. 2021 , 5, 108-117	5
472	Genomic-Metabolomic Associations Support the Role of and Glycerophospholipids in Age-Related Macular Degeneration. 2021 , 1,	Ο
471	Associations of and Gene Polymorphisms with Neovascular Age-Related Macular Degeneration. 2021 , 15, 1101-1108	2
470	State-of-the-Art in CRISPR Technology and Engineering Drought, Salinity, and Thermo-tolerant crop plants. 2021 , 1	7
469	Identification of genetic factors influencing metabolic dysregulation and retinal support for MacTel, a retinal disorder. 2021 , 4, 274	5
468	Functional expression of complement factor I following AAV-mediated gene delivery in the retina of mice and human cells. 2021 , 28, 265-276	8
467	The complement system in age-related macular degeneration. 2021 , 78, 4487-4505	20
466	Impacts of high fat diet on ocular outcomes in rodent models of visual disease. 2021 , 204, 108440	7
465	A multi-ethnic genome-wide association study implicates collagen matrix integrity and cell differentiation pathways in keratoconus. 2021 , 4, 266	10
464	The rare C9 P167S risk variant for age-related macular degeneration increases polymerization of the terminal component of the complement cascade. 2021 , 30, 1188-1199	1
463	Robust, flexible, and scalable tests for Hardy-Weinberg equilibrium across diverse ancestries. 2021 , 218,	Ο

Confident identification of subgroups from SNP testing in RCTs with binary outcomes. **2021**,

461	Gene-based analysis of bi-variate survival traits via functional regressions with applications to eye diseases. 2021 , 45, 455-470	
460	Cell-Matrix Interactions in the Eye: From Cornea to Choroid. 2021 , 10,	4
459	Genetic Association between MMP9 and Choroidal Neovascularization in Age-Related Macular Degeneration. 2021 , 1, 100002	2
458	Geographic atrophy: where we are now and where we are going. 2021, 32, 247-252	4
457	Sleep, pain, and neurodegeneration: A Mendelian randomization study.	O
456	Investigational Agents in Development for the Treatment of Geographic Atrophy Secondary to Age-Related Macular Degeneration. 2021 , 35, 303-323	0
455	Association of Systemic Inflammatory Factors with Progression to Advanced Age-related Macular Degeneration. 2021 , 1-10	4
454	Mitochondria-dependent phase separation of disease-relevant proteins drives pathological features of age-related macular degeneration. 2021 , 6,	2
453	The impact of non-additive genetic associations on age-related complex diseases. 2021 , 12, 2436	10
452	Drusenoid Pigment Epithelial Detachment: Genetic and Clinical Characteristics. 2021 , 22,	1
451	Anti-VEGF Drugs Influence Epigenetic Regulation and AMD-Specific Molecular Markers in ARPE-19 Cells. 2021 , 10,	4
450	HDL Cholesterol and Non-Cardiovascular Disease: A Narrative Review. 2021 , 22,	3
449	and Single-Nucleotide Variants and Serum Levels in Age-Related Macular Degeneration in the Caucasian Population. 2021 , 2021, 6622934	1
448	EyeDiseases: an integrated resource for dedicating to genetic variants, gene expression and epigenetic factors of human eye diseases. 2021 , 3, lqab050	1
447	Impaired Mitochondrial Function in iPSC-Retinal Pigment Epithelium with the Complement Factor H Polymorphism for Age-Related Macular Degeneration. 2021 , 10,	10
446	EX-vivo whole blood stimulation with A2E does not elicit an inflammatory cytokine response in patients with age-related macular degeneration. 2021 , 11, 8226	2
445	Human photoreceptor cells from different macular subregions have distinct transcriptional profiles. 2021 , 30, 1543-1558	1

444	Long-read sequencing of 3,622 Icelanders provides insight into the role of structural variants in human diseases and other traits. <i>Nature Genetics</i> , 2021 , 53, 779-786	36.3	44
443	Age-related macular degeneration - biomarkers and therapies. 2021 , 16, 431-434		
442	Age-Related Macular Degeneration. 2021 , 105, 473-491		13
441	Genetic Determinants Highlight the Existence of Shared Etiopathogenetic Mechanisms Characterizing Age-Related Macular Degeneration and Neurodegenerative Disorders. 2021 , 12, 626066		6
440	A Review of the Role of the Intestinal Microbiota in Age-Related Macular Degeneration. 2021, 10,		7
439	Risk Stratification and Clinical Utility of Polygenic Risk Scores in Ophthalmology. 2021 , 10, 14		1
438	Causal Effects of N-6 Polyunsaturated Fatty Acids on Age-related Macular Degeneration: A Mendelian Randomization Study. 2021 , 106, e3565-e3572		О
437	Human RGR Gene and Associated Features of Age-Related Macular Degeneration in Models of Retina-Choriocapillaris Atrophy. 2021 , 191, 1454-1473		1
436	Medical Records-Based Genetic Studies of the Complement System. 2021 , 32, 2031-2047		1
435	Comparative transcriptome analysis of human and murine choroidal neovascularization identifies fibroblast growth factor inducible-14 as phylogenetically conserved mediator of neovascular age-related macular degeneration.		О
434	Age-related macular degeneration. 2021 , 7, 31		71
433	Autophagy in the retinal pigment epithelium: a new vision and future challenges. 2021,		4
432	Assessment of significance of conditionally independent GWAS signals. 2021,		О
431	Ocular and systemic complement activation during anti-VEGF treatment and AREDS2 dietary supplementation in neovascular age-related macular degeneration. 2021 ,		
430	Brain gene co-expression networks link complement signaling with convergent synaptic pathology in schizophrenia. 2021 , 24, 799-809		9
429	Epistatic interactions of genetic loci associated with age-related macular degeneration. 2021 , 11, 13114		Ο
428	Phase 1 Study of the Anti-HtrA1 Antibody-binding Fragment FHTR2163 in Geographic Atrophy Secondary to Age-related Macular Degeneration. 2021 , 232, 49-57		1
427	Long-term outcome of neovascular age-related macular degeneration: association between treatment outcome and major risk alleles. 2021 ,		2

426	Plasma Lutein, a Nutritional Biomarker for Development of Advanced Age-Related Macular Degeneration: The Alienor Study. 2021 , 13,	2
425	Age-Related Macular Degeneration: Pathophysiology, Management, and Future Perspectives. 2021 ,	8
424	Treat and extend paradigm in management of neovascular age-related macular degeneration: current practice and future directions. 2021 , 16, 267-286	
423	HK2 Mediated Glycolytic Metabolism in Mouse Photoreceptors Is Not Required to Cause Late Stage Age-Related Macular Degeneration-Like Pathologies. 2021 , 11,	2
422	Eleven genomic loci affect plasma levels of chronic inflammation marker soluble urokinase-type plasminogen activator receptor. 2021 , 4, 655	3
421	Complement System and Potential Therapeutics in Age-Related Macular Degeneration. 2021 , 22,	4
420	Prevalence and phenotype associations of complement factor I mutations in geographic atrophy. 2021 , 42, 1139-1152	3
419	Macular Degeneration, Age Related. 2, 1-10	
418	Interlink between Inflammation and Oxidative Stress in Age-Related Macular Degeneration: Role of Complement Factor H. 2021 , 9,	5
417	Association between NF-kB polymorphism and age-related macular degeneration in a high-altitude population. 2021 , 16, e0251931	O
416	Identifying the genetic and non-genetic factors associated with accelerated eye aging by using deep learning to predict age from fundus and optical coherence tomography images.	2
415	Interactions between Apolipoprotein E Metabolism and Retinal Inflammation in Age-Related Macular Degeneration. 2021 , 11,	2
414	Differential and Altered Spatial Distribution of Complement Expression in Age-Related Macular Degeneration. 2021 , 62, 26	4
413	Systemic complement activation levels in Stargardt disease. 2021 , 16, e0253716	2
412	Altered transcriptome and disease-related phenotype emerge only after fibroblasts harvested from patients with age-related macular degeneration are differentiated into retinal pigment epithelium. 2021 , 207, 108576	2
411	Effect of a TSPO ligand on retinal pigment epithelial cholesterol homeostasis in high-fat fed mice, implication for age-related macular degeneration. 2021 , 208, 108625	2
410	Exploring the choroidal vascular labyrinth and its molecular and structural roles in health and disease. 2021 , 100994	4
409	Chromosome 10q26-driven age-related macular degeneration is associated with reduced levels of in human retinal pigment epithelium. 2021 , 118,	9

408	Pathogenic Variants in the Genes Affected in Alport Syndrome (COL4A3-COL4A5) and Their Association With Other Kidney Conditions: A Review. 2021 , 78, 857-864	3
407	Enlargement of Geographic Atrophy From First Diagnosis to End of Life. 2021 , 139, 743-750	2
406	A Proteogenomic Signature of Age-related Macular Degeneration in Blood.	
405	Cluster Analysis and Genotype-Phenotype Assessment of Geographic Atrophy in Age-Related Macular Degeneration: Age-Related Eye Disease Study 2 Report 25. 2021 , 5, 1061-1073	2
404	Single-cell RNA sequencing in vision research: Insights into human retinal health and disease. 2021 , 83, 100934	8
403	Complement Inhibitors in Age-Related Macular Degeneration: A Potential Therapeutic Option. 2021 , 2021, 9945725	2
402	FHL-1 interacts with human RPE cells through the 51 integrin and confers protection against oxidative stress. 2021 , 11, 14175	1
401	Photoreceptor layer thinning is an early biomarker for age-related macular degeneration development: Epidemiological and genetic evidence from UK Biobank optical coherence tomography data.	
400	Osteopontin accumulates in basal deposits of human eyes with age-related macular degeneration and may serve as a biomarker of aging. 2021 ,	O
399	Transcriptomic and proteomic retinal pigment epithelium signatures of age-related macular degeneration.	1
398	Pluripotent stem cell therapy for retinal diseases. 2021 , 9, 1279	О
397	Testing and correcting for weak and pleiotropic instruments in two-sample multivariable Mendelian randomization. 2021 , 40, 5434-5452	26
396	Beyond factor H: The impact of genetic-risk variants for age-related macular degeneration on circulating factor-H-like 1 and factor-H-related protein concentrations. 2021 , 108, 1385-1400	9
395	Multi-omic Analysis of Developing Human Retina and Organoids Reveals Cell-Specific Cis-Regulatory Elements and Mechanisms of Non-Coding Genetic Disease Risk.	2
394	Common haplotypes at the CFH locus and low-frequency variants in CFHR2 and CFHR5 associate with systemic FHR concentrations and age-related macular degeneration. 2021 , 108, 1367-1384	7
393	Genetic Mechanism Revealed of Age-Related Macular Degeneration Based on Fusion of Statistics and Machine Learning Method. 2021 , 12, 726599	O
392	Progression of geographic atrophy. 2021 , 16, 343-356	
391	Discovery of Novel Genetic Risk Loci for Acute Central Serous Chorioretinopathy and Genetic Pleiotropic Effect With Age-Related Macular Degeneration. 2021 , 9, 696885	1

390	Identifying causal variants by fine mapping across multiple studies. 2021 , 17, e1009733	3
389	An Update on the Hemodynamic Model of Age-Related Macular Degeneration. 2021,	4
388	Generating and Using Transcriptomically Based Retinal Cell Atlases. 2021 , 7, 43-72	7
387	Myeloid cells in retinal and brain degeneration. 2021,	О
386	Implications of genetic variation in the complement system in age-related macular degeneration. 2021 , 84, 100952	10
385	Identification and inference for subgroups with differential treatment efficacy from randomized controlled trials with survival outcomes through multiple testing. 2021 , 40, 6523-6540	
384	Characterizing New-Onset Exudation in the Randomized Phase 2 FILLY Trial of Complement Inhibitor Pegcetacoplan for Geographic Atrophy. 2021 , 128, 1325-1336	11
383	Genome-wide functional screen of 3'UTR variants uncovers causal variants for human disease and evolution. 2021 , 184, 5247-5260.e19	7
382	Assigning Co-Regulated Human Genes and Regulatory Gene Clusters. 2021, 10,	2
381	Ongoing controversies and recent insights of the ARMS2-HTRA1 locus in age-related macular degeneration. 2021 , 210, 108605	3
380	rs1883025 and rs2108622 Gene Polymorphism Association with Age-Related Macular Degeneration and Anti-VEGF Treatment. 2021 , 57,	2
379	Regulation of Rac1 Activation in Choroidal Endothelial Cells: Insights into Mechanisms in Age-Related Macular Degeneration. 2021 , 10,	2
378	Systemic complement levels in patients with age-related macular degeneration carrying rare or low frequency variants in the CFH gene. 2021 ,	1
377	Aging of the Retina: Molecular and Metabolic Turbulences and Potential Interventions. 2021 , 7, 633-664	4
376	Unravelling the therapeutic potential of IL-33 for atrophic AMD. 2021,	1
375	Protective chromosome 1q32 haplotypes mitigate risk for age-related macular degeneration associated with the CFH-CFHR5 and ARMS2/HTRA1 loci. 2021 , 15, 60	4
374	Recombinant sulfated CCR2 peptide trap reduces retinal degeneration in mice. 2021 , 572, 171-177	0
373	ADAM17 mediates ectodomain shedding of the soluble VLDL receptor fragment in the retinal epithelium. 2021 , 297, 101185	1

372	TMEM97 ablation aggravates oxidant-induced retinal degeneration. 2021 , 86, 110078	1
371	Basic and clinical studies of AMD in future: questions more than answers. 2022 , 261-272	
370	Principal Cause of Poor Visual Acuity after Neovascular Age-Related Macular Degeneration: Age-Related Eye Disease Study 2 Report Number 23. 2021 , 5, 23-31	5
369	Exome Chip Analyses and Genetic Risk for IgA Nephropathy among Han Chinese. 2021 , 16, 213-224	2
368	Current Management of Age-Related Macular Degeneration. 2021 , 1256, 295-314	1
367	Retinal Vascular Disease. 2021 , 89-123	
366	AMD Genetics: Methods and Analyses for Association, Progression, and Prediction. 2021 , 1256, 191-200	1
365	Making Biological Sense of Genetic Studies of Age-Related Macular Degeneration. 2021 , 1256, 201-219	1
364	A Splice Variant in Gene Leads to Lactate Transport Deficit in Human iPS Cell-Derived Retinal Pigment Epithelial Cells. 2021 , 10,	4
363	The Genetics of Common, Complex Diseases. 2021 , 1-22	O
363 362	The Genetics of Common, Complex Diseases. 2021, 1-22 Active Cholesterol Efflux in the Retinal Pigment Epithelium. 2019, 1185, 51-55	0 4
362	Active Cholesterol Efflux in the Retina and Retinal Pigment Epithelium. 2019, 1185, 51-55 Altered photoreceptor metabolism in mouse causes late stage age-related macular	4
362	Active Cholesterol Efflux in the Retina and Retinal Pigment Epithelium. 2019, 1185, 51-55 Altered photoreceptor metabolism in mouse causes late stage age-related macular degeneration-like pathologies. 2020, 117, 13094-13104 Eye Diseases Direct Interest to Complement Pathway and Macrophages as Regulators of	4
362 361 360	Active Cholesterol Efflux in thelRetina and Retinal Pigment Epithelium. 2019, 1185, 51-55 Altered photoreceptor metabolism in mouse causes late stage age-related macular degeneration-like pathologies. 2020, 117, 13094-13104 Eye Diseases Direct Interest to Complement Pathway and Macrophages as Regulators of Inflammation in COVID-19. 2020, 10, 114-120	30
362 361 360 359	Active Cholesterol Efflux in the Retina and Retinal Pigment Epithelium. 2019, 1185, 51-55 Altered photoreceptor metabolism in mouse causes late stage age-related macular degeneration-like pathologies. 2020, 117, 13094-13104 Eye Diseases Direct Interest to Complement Pathway and Macrophages as Regulators of Inflammation in COVID-19. 2020, 10, 114-120 BasePlayer: Versatile Analysis Software for Large-scale Genomic Variant Discovery.	30 3
362 361 360 359 358	Active Cholesterol Efflux in the Retina and Retinal Pigment Epithelium. 2019, 1185, 51-55 Altered photoreceptor metabolism in mouse causes late stage age-related macular degeneration-like pathologies. 2020, 117, 13094-13104 Eye Diseases Direct Interest to Complement Pathway and Macrophages as Regulators of Inflammation in COVID-19. 2020, 10, 114-120 BasePlayer: Versatile Analysis Software for Large-scale Genomic Variant Discovery. Causal associations between risk factors and common diseases inferred from GWAS summary data.	43036

354	Profile-likelihood Bayesian model averaging for two-sample summary data Mendelian randomization in the presence of horizontal pleiotropy.	1
353	Cell Atlas of the Human Fovea and Peripheral Retina.	5
352	Brain gene co-expression networks link complement signaling with convergent synaptic pathology in schizophrenia.	2
351	Testing and Correcting for Weak and Pleiotropic Instruments in Two-Sample Multivariable Mendelian Randomisation.	23
350	Cholesteryl Ester Transfer Protein as a Drug Target for Cardiovascular Disease.	1
349	FHL-1 interacts with human RPE cells through the 🗗 integrin and confers protection against oxidative stress.	1
348	Genetic and Epigenetic Fine Mapping of Complex Trait Associated Loci in the Human Liver.	2
347	Human iPSC-derived retinal pigment epithelium: a model system for identifying and functionally characterizing causal variants at AMD risk loci.	1
346	Ocular disease mechanisms elucidated by genetics of human fetal retinal pigment epithelium gene expression.	2
345	Advantages of genotype imputation with ethnically matched reference panel for rare variant association analyses.	5
344	Cell types of the human retina and its organoids at single-cell resolution: developmental convergence, transcriptomic identity, and disease map.	10
343	Improving the coverage of credible sets in Bayesian genetic fine-mapping.	1
342	Long read sequencing of 3,622 Icelanders provides insight into the role of structural variants in human diseases and other traits.	22
341	Chances and challenges of machine learning based disease classification in genetic association studies illustrated on age-related macular degeneration.	1
340	Clinical Role of Epigenetics and Network Analysis in Eye Diseases: A Translational Science Review. 2019 , 2019, 2424956	13
339	LXRs regulate features of age-related macular degeneration and may be a potential therapeutic target. 2020 , 5,	11
338	[Molecular and genetic aspects of age-related macular degeneration and glaucoma]. 2019, 135, 121-127	1
337	Alzheimer's disease as a multistage process: an analysis from a population-based cohort study. 2019 , 11, 1163-1176	7

(2021-2018)

336	Uncovering genetic and non-genetic biomarkers specific for exudative age-related macular degeneration: significant association of twelve variants. 2018 , 9, 7812-7821	29
335	Gene, Cell and Antibody-Based Therapies for the Treatment of Age-Related Macular Degeneration. 2020 , 14, 83-94	9
334	Anti-VEGF Treatment and Response in Age-related Macular Degeneration: Disease's Susceptibility, Pharmacogenetics and Pharmacokinetics. 2020 , 27, 549-569	6
333	Age-related Macular Degeneration: Current Knowledge of Zinc Metalloproteinases Involvement. 2019 , 20, 903-918	3
332	Therapeutic Lessons to be Learned From the Role of Complement Regulators as Double-Edged Sword in Health and Disease. 2020 , 11, 578069	4
331	Associations between the Complement System and Choroidal Neovascularization in Wet Age-Related Macular Degeneration. 2020 , 21,	4
330	Oxidative stress, innate immunity, and age-related macular degeneration. 2016, 3, 196-221	104
329	The complexities underlying age-related macular degeneration: could amyloid beta play an important role?. 2017 , 12, 538-548	25
328	Metabolomic analysis in ophthalmology. 2020 , 164, 236-246	4
327	Cholesteryl ester transfer protein (CETP) as a drug target for cardiovascular disease. 2021 , 12, 5640	7
327	Cholesteryl ester transfer protein (CETP) as a drug target for cardiovascular disease. 2021 , 12, 5640 Rare variant association study of veteran twin whole-genomes links severe depression with a nonsynonymous change in the neuronal gene. 2021 , 1-12	7
	Rare variant association study of veteran twin whole-genomes links severe depression with a	7
326	Rare variant association study of veteran twin whole-genomes links severe depression with a nonsynonymous change in the neuronal gene. 2021 , 1-12	
326 325	Rare variant association study of veteran twin whole-genomes links severe depression with a nonsynonymous change in the neuronal gene. 2021 , 1-12 Human Genomics and Drug Development. 2021 , Evaluating the Occurrence of Rare Variants in the Complement Factor H Gene in Patients With	2
326 325 324	Rare variant association study of veteran twin whole-genomes links severe depression with a nonsynonymous change in the neuronal gene. 2021, 1-12 Human Genomics and Drug Development. 2021, Evaluating the Occurrence of Rare Variants in the Complement Factor H Gene in Patients With Early-Onset Drusen Maculopathy. 2021, 139, 1218-1226 Hyaluronidase-1-mediated glycocalyx impairment underlies endothelial abnormalities in polypoidal	2
326 325 324 323	Rare variant association study of veteran twin whole-genomes links severe depression with a nonsynonymous change in the neuronal gene. 2021, 1-12 Human Genomics and Drug Development. 2021, Evaluating the Occurrence of Rare Variants in the Complement Factor H Gene in Patients With Early-Onset Drusen Maculopathy. 2021, 139, 1218-1226 Hyaluronidase-1-mediated glycocalyx impairment underlies endothelial abnormalities in polypoidal choroidal vasculopathy.	3
326 325 324 323	Rare variant association study of veteran twin whole-genomes links severe depression with a nonsynonymous change in the neuronal gene. 2021, 1-12 Human Genomics and Drug Development. 2021, Evaluating the Occurrence of Rare Variants in the Complement Factor H Gene in Patients With Early-Onset Drusen Maculopathy. 2021, 139, 1218-1226 Hyaluronidase-1-mediated glycocalyx impairment underlies endothelial abnormalities in polypoidal choroidal vasculopathy. New insights into the role of autophagy in retinal and eye diseases. 2021, 82, 101038	3

318	Protective coding variants in CFH and PELI3 and a variant near CTRB1 are associated with age-related macular degeneration.	
317	Molecular Genetics of Macular Degeneration. 1-7	
316	Unique Genetic Signatures in Asian Age-Related Macular Degeneration: An Opportunity for Drug Development. 2017 , 497-507	
315	Recent advances and future directions for the pharmacogenetic basis of anti-VEGF treatment response in neovascular age-related macular degeneration. 2017 , 12, 584-585	1
314	Identifying core biological processes distinguishing human eye tissues with precise systems-level gene expression analyses and weighted correlation networks.	
313	Non-Parametric Genetic Prediction of Complex Traits with Latent Dirichlet Process Regression Models.	
312	Heritability of regional brain volumes in large-scale neuroimaging and genetic studies.	1
311	A widespread decrease of chromatin accessibility in age-related macular degeneration.	
310	Paired Immunoglobulin-like Type 2 Receptor Alpha G78R variant alters ligand binding and confers protection to Alzheimer disease.	
309	Phenotype-specific enrichment of Mendelian disorder genes near GWAS regions across 62 complex traits.	
308	Cell type-specific complement expression from healthy and diseased retinae.	
307	Molecular Classification and Comparative Taxonomics of Foveal and Peripheral Cells in Primate Retina.	1
306	Causal Association between Birth Weight and Adult Diseases: Evidence from a Mendelian Randomisation Analysis.	1
305	Birth weight is not causally associated with adult asthma: results from instrumental variable analyses.	
304	Genomic Approaches to Eye Diseases: An Asian Perspective. 2019 , 403-415	
303	A comprehensive study of metabolite genetics reveals strong pleiotropy and heterogeneity across time and context.	1
302	Applications of Genomic Technologies in Retinal Degenerative Diseases. 2019 , 1185, 281-285	
301	Inflammation and matrix metalloproteinase 9 (Mmp-9) regulate photoreceptor regeneration in adult zebrafish.	

300	gene polymorphisms: association with age-related macular degeneration in Russian population. 2019 , 12, 25-29	2
299	The exhaustive genomic scan approach, with an application to rare-variant association analysis.	
298	Role of educational attainment, cognitive performance and intelligence in neurodegeneration: a bidirectional Mendelian randomization study.	
297	Bidirectional Mendelian randomization analysis of shared genetic signals between coexisting neurodegenerative disorders to decipher underlying causal pathways.	
296	Assessing the performance of genome-wide association studies for predicting disease risk.	1
295	Molecular Genetics of Sorsby Fundus Dystrophy. 1-7	
294	Towards the identification of causal genes for age-related macular degeneration.	
293	Systematic detection of Mendelian and non-Mendelian variants associated with retinitis pigmentosa by genome-wide association study.	
292	Genome-wide association meta-analysis for early age-related macular degeneration highlights novel loci and insights for advanced disease.	
291	Macular impairment in mitochondrial diseases: a potential biomarker of disease severity. 2020 , 10, 8554	O
290	Robust, flexible, and scalable tests for Hardy-Weinberg Equilibrium across diverse ancestries.	
289	Mendelian randomization identifies folliculin expression as a mediator of diabetic retinopathy.	
288	Functional study of the AMD-associated gene TMEM97 in retinal pigmented epithelium using CRISPR interference.	1
287	Mitochondria-dependent phase separation of disease-relevant proteins drives pathological features of age-related macular degeneration.	1
286	Identification of genetic factors influencing metabolic dysregulation and retinal support for MacTel, a retinal disorder.	
285	Local Progression Kinetics of Geographic Atrophy Depends Upon the Border Location. 2021 , 62, 28	O
284	mTOR inhibition via Rapamycin treatment partially reverts the deficit in energy metabolism caused by FH loss in RPE cells.	
283	Histopathological assessments reveal retinal vascular changes, inflammation, and gliosis in patients with lethal COVID-19. 2021 , 1	2

282 Epidemiology and Risk Factors in Age-Related Macular Degeneration (AMD). 2020, 1-23

281	Genomics in Choroidal Neovascularization. 2020 , 57-69	
280	Bias reduction and inference for electronic health record data under selection and phenotype misclassification: three case studies. 2020 ,	O
279	Acadesine suppresses TNF-Induced complement component 3 (C3), in retinal pigment epithelial (RPE) cells. 2020 , 15, e0244307	1
278	Pathology of the Retina and Vitreous. 2020 , 1-66	
277	Dry Age-Related Macular Degeneration. 2020 , 1-12	
276	Genetics of Strabismus. 2020 , 1-20	
275	The metabolite receptor SUCNR1 in oxidative stress-induced age-related macular degeneration.	
274	DOMINO: a novel algorithm for network-based identification of active modules with reduced rate of false calls.	O
273	The effect of systemic levels of TNF-alpha and complement pathway activity on outcomes of VEGF inhibition in neovascular AMD. 2021 ,	3
272	Association of the HtrA1 rs11200638 Polymorphism with Neovascular Age-Related Macular Degeneration in Indonesia. 2021 , 1	
271	Deletion of TSPO Causes Dysregulation of Cholesterol Metabolism in Mouse Retina. 2021 , 10,	1
270	Reticular pseudodrusen: A critical phenotype in age-related macular degeneration. 2021, 101017	7
269	Complement Factor H-Related 3 Enhanced Inflammation and Complement Activation in Human RPE Cells. 2021 , 12, 769242	1
268	Association of Smoking, Alcohol Consumption, Blood Pressure, Body Mass Index, and Glycemic Risk Factors With Age-Related Macular Degeneration: A Mendelian Randomization Study. 2021 ,	2
267	Loss of the AMD-associated B3GLCT gene affects glycosylation of TSP1 without impairing secretion in retinal pigment epithelial cells. 2021 , 213, 108798	O
266	CIB2 regulates autophagy via Rheb-mTORC1 signaling axis.	
265	The association of clinical phenotypes to known AD/FTD genetic risk loci and their inter-relationship. 2020 , 15, e0241552	1

264	Integration of genomics and transcriptomics predicts diabetic retinopathy susceptibility genes. 2020 , 9,	5
263	CLINICAL OUTCOMES AND TREATMENT COURSE OF EYES WITH NEOVASCULAR AGE-RELATED MACULAR DEGENERATION FOLLOWING THE DEVELOPMENT OF ENDOPHTHALMITIS. 2021 , 41, 1242-1250	1
262	Whole exome sequencing of extreme age-related macular degeneration phenotypes. 2016 , 22, 1062-76	10
261	Three-dimensional retinal organoids from mouse pluripotent stem cells mimic development with enhanced stratification and rod photoreceptor differentiation. 2016 , 22, 1077-1094	50
260	Paradigm Shifts in Ophthalmic Diagnostics. 2016 , 114, WP1	6
259	Specific correlation between the major chromosome 10q26 haplotype conferring risk for age-related macular degeneration and the expression of. 2017 , 23, 318-333	10
258	Geographic distribution of rare variants associated with age-related macular degeneration. 2018 , 24, 75-82	2
257	Association of age-related macular degeneration with complement activation products, smoking, and single nucleotide polymorphisms in South Carolinians of European and African descent. 2019 , 25, 79-92	11
256	Genetically-guided algorithm development and sample size optimization for age-related macular degeneration cases and controls in electronic health records from the VA Million Veteran Program. 2019 , 2019, 153-162	
255	The use of Matrigel combined with encapsulated cell technology to deliver a complement inhibitor in a mouse model of choroidal neovascularization. 2020 , 26, 370-377	2
254	Genetic and environmental risk factors for extramacular drusen. 2020 , 26, 661-669	
253	Increased pro-MMP9 plasma levels are associated with neovascular age-related macular degeneration and with the risk allele of rs142450006 near. 2021 , 27, 142-150	
252	Exploring Consensus on Preventive Measures and Identification of Patients at Risk of Age-Related Macular Degeneration Using the Delphi Process. 2021 , 10,	О
251	Semi-Quantitative Multiplex Profiling of the Complement System Identifies Associations of Complement Proteins with Genetic Variants and Metabolites in Age-Related Macular Degeneration 2021 , 11,	O
250	Assessing bidirectional associations between cognitive impairment and late age-related macular degeneration in the Age-Related Eye Disease Study 2. 2021 ,	Ο
249	Selective retina therapy and thermal stimulation of the retina: different regenerative properties - implications for AMD therapy. 2021 , 21, 412	1
248	Epigenomic signatures in age-related macular degeneration: Focus on their role as disease modifiers and therapeutic targets. 2021 , 31, 2856-2867	1
247	Rare variant analysis in eczema identifies exonic variants in DUSP1, NOTCH4 and SLC9A4. 2021 , 12, 6618	2

246	Plasma Metabolomics of Intermediate and Neovascular Age-Related Macular Degeneration Patients. 2021 , 10,	1
245	Macular thickness varies with age-related macular degeneration genetic risk variants in the UK Biobank cohort. 2021 , 11, 23255	2
244	rs3753394 Complement Factor H (CFH) Gene Polymorphism in Patients with Age-Related Macular Degeneration (AMD) in Indonesian Population. 2021 , 41, 06001	0
243	Incidence, progression and risk factors of age-related macular degeneration in 35-95-year-old individuals from three jointly designed German cohort studies 2022 , 7, e000912	1
242	The Long Pentraxin PTX3 as a New Biomarker and Pharmacological Target in Age-Related Macular Degeneration and Diabetic Retinopathy 2021 , 12, 811344	2
241	Dynamics of transcription regulatory network during mice-derived retina organoid development 2021 , 813, 146131	O
240	High Density Lipoproteins: Is There a Comeback as a Therapeutic Target?. 2021 ,	0
239	Challenges and opportunities for modeling monogenic and complex disorders of the human retina via induced pluripotent stem cell technology. 2021 , 33, 221-227	
238	Machine Learning Prediction of Non-Coding Variant Impact in Human Retinal Cis-Regulatory Elements.	
237	Complement Mediators in Development to Treat Age-Related Macular Degeneration 2022 , 39, 107	1
236	Dyslipidemia in age-related macular degeneration 2022,	2
235	Targeting Lipid Metabolism for the Treatment of Age-Related Macular Degeneration: Insights from Preclinical Mouse Models. 2021 ,	3
234	Modulated anti-VEGF therapy under the influence of lipid metabolizing proteins in Age related macular degeneration: a pilot study 2022 , 12, 714	1
233	Functional Analysis of Variants in Complement Factor I Identified in Age-Related Macular Degeneration and Atypical Hemolytic Uremic Syndrome 2021 , 12, 789897	O
232	Rare variant association tests for ancestry-matched case-control data based on conditional logistic regression 2022 ,	O
231	Genetic disorders causing non-syndromic retinopathy. 2022 , 161-265	
230	Profile-likelihood Bayesian model averaging for two-sample summary data Mendelian randomization in the presence of horizontal pleiotropy 2022 ,	0

228	TNFRSF10A downregulation induces retinal pigment epithelium degeneration during the pathogenesis of age-related macular degeneration and central serous chorioretinopathy 2022 ,	O
227	Retinal Drusen Are More Common and Larger in Systemic Lupus Erythematosus With Renal Impairment 2022 , 7, 848-856	O
226	Comparative transcriptome analysis of human and murine choroidal neovascularization identifies fibroblast growth factor inducible-14 as phylogenetically conserved mediator of neovascular age-related macular degeneration 2022, 166340	O
225	Choroidal Endothelial and Macrophage Gene Expression in Atrophic and Neovascular Macular Degeneration 2022 ,	O
224	Genetics in Age-Related Macular Degeneration. 2022 , 125-134	
223	Bone marrow-derived mononuclear stem cells in the treatment of retinal degenerations 2022 , 17, 1937-19	44 o
222	Progression of Age-Related Macular Degeneration Among Individuals Homozygous for Risk Alleles on Chromosome 1 (CFH-CFHR5) or Chromosome 10 (ARMS2/HTRA1) or Both 2022 ,	3
221	Sex Differences in RANTES (CCL5) in Patients With Intermediate Age-Related Macular Degeneration (AMD) and Controls With no AMD 2022 , 11, 12	1
220	Liability-scale heritability estimation for biobank studies of low prevalence disease.	1
219	Photoreceptor layer thinning is an early biomarker for age-related macular degeneration: Epidemiological and genetic evidence from UK Biobank optical coherence tomography data 2022 ,	3
218	Metformin and risk of age-related macular degeneration in individuals with type 2 diabetes: a retrospective cohort study 2022 ,	O
217	Chemokine Receptor Profiles of T Cells in Patients with Age-Related Macular Degeneration 2022 , 63, 357-364	O
216	Age-Related Macular Degeneration: New Insights in Diagnosis, Treatment, and Prevention 2022 , 11,	
215	Variability in Retinal Neuron Populations and Associated Variations in Mass Transport Systems of the Retina in Health and Aging 2022 , 14, 778404	O
214	Integrating external controls in case-control studies improves power for rare-variant tests 2022,	O
213	Causal Associations of Thyroid Function and Age-Related Macular Degeneration: A Two-Sample Mendelian Randomization Study 2022 ,	2
212	Hyaluronidase-1-mediated glycocalyx impairment underlies endothelial abnormalities in polypoidal choroidal vasculopathy 2022 , 20, 47	O
211	The phenotypic course of age-related macular degeneration for ARMS2/HTRA1: The EYE-RISK Consortium 2022 ,	1

2 10	Incorporating regulatory interactions into gene-set analyses for GWAS data: A controlled analysis with the MAGMA tool 2022 , 18, e1009908	О
209	CLEC3B is a novel causative gene for macular-retinal dystrophy 2022,	O
208	Single-cell multiome of the human retina and deep learning nominate causal variants in complex eye diseases.	0
207	Evaluating a causal relationship between Complement Factor I protein level and advanced age-related macular degeneration using Mendelian Randomisation. 2022 , 100146	O
206	AMD Genomics: Non-Coding RNAs as Biomarkers and Therapeutic Targets 2022, 11,	1
205	Sub-cellular level resolution of common genetic variation in the photoreceptor layer identifies continuum between rare disease and common variation.	
204	Evolving Patterns of Hyperfluorescent Fundus Autofluorescence Accompany Retinal Atrophy in the Rat and Mimic Atrophic Age-Related Macular Degeneration 2022 , 11, 3	
203	Regulation of ABCA1 by AMD-Associated Genetic Variants and Hypoxia in iPSC-RPE 2022 , 23,	1
202	Using single molecule Molecular Inversion Probes as a cost-effective, high-throughput sequencing approach to target all genes and loci associated with macular diseases.	1
201	Cell-specific cis-regulatory elements and mechanisms of non-coding genetic disease in human retina and retinal organoids 2022 ,	2
200	LONGL-Net: temporal correlation structure guided deep learning model to predict longitudinal age-related macular degeneration severity 2022 , 1, pgab003	1
199	SD-OCT Biomarkers and the Current Status of Artificial Intelligence in Predicting Progression from Intermediate to Advanced AMD 2022 , 12,	1
198	Sodium-Iodate Injection Can Replicate Retinal Degenerative Disease Stages in Pigmented Mice and Rats: Non-Invasive Follow-Up Using OCT and ERG 2022 , 23,	О
197	Rare complement factor I variants associated with reduced macular thickness and age-related macular degeneration in the UK biobank 2022 ,	1
196	Retinal aging transcriptome and cellular landscape in association with the progression of age-related macular degeneration.	О
195	Naturally occurring combinations of receptors from single cell transcriptomics in endothelial cells 2022 , 12, 5807	0
194	A novel full-length recombinant human complement factor H (CFH; GEM103) for the treatment of age-related macular degeneration shows similar in vitro functional activity to native CFH 2022 , 1-8	1
193	Genetic Risk in Families with Age-Related Macular Degeneration. 2021 , 1, 100087	1

192	A Single-Cell Transcriptome Atlas of the Human Retinal Pigment Epithelium 2021, 9, 802457	1
191	Epithelial phenotype restoring drugs suppress macular degeneration phenotypes in an iPSC model 2021 , 12, 7293	3
190	Associations of Single-Nucleotide Polymorphisms in Slovenian Patients with Acute Central Serous Chorioretinopathy 2021 , 13,	1
189	mTOR Inhibition via Rapamycin Treatment Partially Reverts the Deficit in Energy Metabolism Caused by FH Loss in RPE Cells 2021 , 10,	O
188	Machine Learning Prediction of Non-Coding Variant Impact in Human Retinal cis-Regulatory Elements 2022 , 11, 16	1
187	Gene-level association analysis of ordinal traits with functional ordinal logistic regressions 2022,	O
186	Data_Sheet_1.docx. 2017,	
185	DataSheet_1.zip. 2019 ,	
184	datasheet1.docx. 2020 ,	
183	Data_Sheet_1.docx. 2019,	
183	Data_Sheet_1.docx. 2019, Genetic and environmental risk factors for reticular pseudodrusen in the EUGENDA study 2021, 27, 757-767	
	Genetic and environmental risk factors for reticular pseudodrusen in the EUGENDA study 2021 ,	
182	Genetic and environmental risk factors for reticular pseudodrusen in the EUGENDA study 2021 , 27, 757-767	
182	Genetic and environmental risk factors for reticular pseudodrusen in the EUGENDA study 2021, 27, 757-767 Genetics of Age-Related Macular Degeneration. 2022, 3509-3563	
182 181 180	Genetic and environmental risk factors for reticular pseudodrusen in the EUGENDA study 2021, 27, 757-767 Genetics of Age-Related Macular Degeneration. 2022, 3509-3563 The Genetics of Common, Complex Diseases. 2022, 2911-2932	
182 181 180	Genetic and environmental risk factors for reticular pseudodrusen in the EUGENDA study 2021, 27, 757-767 Genetics of Age-Related Macular Degeneration. 2022, 3509-3563 The Genetics of Common, Complex Diseases. 2022, 2911-2932 Pharmacotherapy of Age-Related Macular Degeneration. 2022, 3619-3644	
182 181 180 179	Genetic and environmental risk factors for reticular pseudodrusen in the EUGENDA study 2021, 27, 757-767 Genetics of Age-Related Macular Degeneration. 2022, 3509-3563 The Genetics of Common, Complex Diseases. 2022, 2911-2932 Pharmacotherapy of Age-Related Macular Degeneration. 2022, 3619-3644 Pathology of the Retina and Vitreous. 2022, 6315-6379	

174	Sleep, Pain, and Neurodegeneration: A Mendelian Randomization Study 2022 , 13, 765321	
173	Concurrent outcomes from multiple approaches of epistasis analysis for human body mass index associated loci provide insights into obesity biology 2022 , 12, 7306	O
172	Meta-imputation: An efficient method to combine genotype data after imputation with multiple reference panels 2022 ,	1
171	Complement Factor I Variants in Complement-Mediated Renal Diseases. 2022 , 13,	O
170	Mast cell infiltration of the choroid and protease release are early events in age-related macular degeneration associated with genetic risk at both chromosomes 1q32 and 10q26 2022 , 119, e2118510119	O
169	Metabolism Dysregulation in Retinal Diseases and Related Therapies. 2022 , 11, 942	2
168	Generation of an iPSC line (SCTCi015-A) and isogenic control line (SCTCi015-A-1) from an age-related macular degeneration patient carrying the variant c.355G>A in the CFI gene 2022 , 62, 102796	
167	Generation of an iPSC line (SCTCi014-A) and isogenic control line (SCTCi014-A-1) from an age-related macular degeneration patient carrying the variant c.355G>A in the CFI gene 2022 , 62, 102797	
166	Revolution in Genetics. 2021 , 1-48	
165	Genetic Variants of Complement Factor H Y402H (rs1061170), C2 R102G (rs2230199), and C3 E318D (rs9332739) and Response to Intravitreal Anti-VEGF Treatment in Patients with Exudative Age-Related Macular Degeneration. 2022 , 58, 658	О
164	Tissue engineering in age-related macular degeneration: a mini-review 2022 , 16, 11	1
163	Retinal drusen in glomerulonephritis with or without immune deposits suggest systemic complement activation in disease pathogenesis 2022 , 12, 8234	O
162	Sex and Age-Related Differences in Complement Factors Among Patients With Intermediate Age-Related Macular Degeneration 2022 , 11, 22	O
161	Complexities of recapitulating polygenic effects in natural populations: replication of genetic effects on wing shape in artificially selected and wild caught populations of Drosophila melanogaster.	
160	Longitudinal evaluation of visual function impairments in early and intermediate age-related macular degeneration patients. 2022 , 100173	1
159	DeepLUCIA: predicting tissue-specific chromatin loops using Deep Learning-based Universal Chromatin Interaction Annotator.	O
158	Predicting Age-Related Macular Degeneration Progression with Contrastive Attention and Time-Aware LSTM.	
157	Genetic Association Analysis of Anti-VEGF Treatment Response in Neovascular Age-Related Macular Degeneration. 2022 , 23, 6094	Ο

156	Relative Telomere Length Is Associated With Age-Related Macular Degeneration in Women. 2022 , 63, 30	0
155	Vitronectin and Its Interaction with PAI-1 Suggests a Functional Link to Vascular Changes in AMD Pathobiology. 2022 , 11, 1766	Ο
154	Macular Degeneration and CETP Inhibition.	O
153	Challenges in Age-Related Macular Degeneration: From Risk Factors to Novel Diagnostics and Prevention Strategies. 2022 , 9,	О
152	Correlation between genetic and environmental risk factors for age-related macular degeneration in Brazilian patients. 2022 , 17, e0268795	
151	A Screening Tool for Self-Evaluation of Risk for Age-Related Macular Degeneration: Validation in a Spanish Population. 2022 , 11, 23	
150	Human pluripotent stem cells for the modelling of retinal pigment epithelium homeostasis and disease: A review.	
149	The retinal pigmentation pathway in human albinism: Not so black and white. 2022 , 101091	2
148	A proteogenomic signature of age-related macular degeneration in blood. 2022, 13,	1
147	Activation of LXRs Reduces Oxysterol Lipotoxicity in RPE Cells by Promoting Mitochondrial Function. 2022 , 14, 2473	1
146	Association of GSTM1, GSTT1, and GSTP1 Ile105Val polymorphisms with risk of age-related macular degeneration: a meta-analysis. 1-7	
145	As in Real Estate, Location Matters: Cellular Expression of Complement Varies Between Macular and Peripheral Regions of the Retina and Supporting Tissues. 13,	O
144	(DEpicatechin Provides Neuroprotection in Sodium Iodate-Induced Retinal Degeneration. 9,	
143	Age-related Macular Degeneration patient deep phenotyping and whole genome sequencing analysis identifies coding variants linking small low-luminance visual deficit to fat storage defects.	
142	Optogenetics for visual restoration: From proof of principle to translational challenges. 2022 , 101089	O
141	Novel Epigenetic Clock Biomarkers of Age-Related Macular Degeneration. 9,	1
140	Knockout of AMD-associated gene POLDIP2 reduces mitochondrial superoxide in human retinal pigment epithelial cells.	
139	Genome-wide analysis of pleiotropic and functional variants across three age-related ocular disorders.	

138	B Vitamins and Incidence of Advanced Age-Related Macular Degeneration: The Alienor Study. 2022 , 14, 2821	
137	Association between Polymorphisms in CFH, ARMS2, CFI, and C3 Genes and Response to Anti-VEGF Treatment in Neovascular Age-Related Macular Degeneration. 2022 , 10, 1658	Ο
136	Cell culture models to study retinal pigment epithelium-related pathogenesis in age-related macular degeneration. 2022 , 109170	2
135	Retinal drusen counts are increased in inflammatory bowel disease, and with longer disease duration, more complications and associated IgA glomerulonephritis. 2022 , 12,	
134	Natural Course of Pachychoroid Pigment Epitheliopathy. 2022 , 100201	
133	Neuroprotection for Age-Related Macular Degeneration. 2022 , 100192	3
132	Molecular Genetic Mechanisms in Age-Related Macular Degeneration. 2022, 13, 1233	
131	Genome-wide association meta-analysis of 88,250 individuals highlights pleiotropic mechanisms of five ocular diseases in UK Biobank. 2022 , 82, 104161	3
130	Transcriptomic and proteomic retinal pigment epithelium signatures of age-related macular degeneration. 2022 , 13,	1
129	Single-cell multiome of the human retina and deep learning nominate causal variants in complex eye diseases. 2022 , 100164	1
128	Genomewide Association Study of Retinal Traits in the Amish Reveals Loci Influencing Drusen Development and Link to Age-Related Macular Degeneration. 2022 , 63, 17	
127	Distinctive cross-ancestry genetic architecture for age-related macular degeneration.	O
126	Phenotypic Expression of CFH Rare Variants in Age-Related Macular Degeneration Patients in the Coimbra Eye Study. 2022 , 63, 5	
125	A Clinical and Preclinical Assessment of Clinical Trials for Dry Age-related Macular Degeneration. 2022 , 100213	
124	Neuronal Bmal1 regulates retinal angiogenesis and neovascularization in mice. 2022, 5,	
123	Bioinformatical and Biochemical Analyses on the Protective Role of Traditional Chinese Medicine against Age-Related Macular Degeneration. 1-13	Ο
122	Phenome-wide Mendelian randomisation analysis identifies causal factors for age-related macular degeneration.	
121	Gout as a Risk Factor for Age-Related Macular Degeneration in Taiwanese Adults A Population-Based Study in Taiwan. 2022 , 19, 10142	

120	Consequences of a Rare Complement Factor H Variant for Age-Related Macular Degeneration in the Amish. 2022 , 63, 8	
119	Identifying Novel Genes and Variants in Immune and Coagulation Pathways Associated with Macular Degeneration. 2022 , 100206	Ο
118	Using Advanced Bioinformatics Tools to Identify Novel Therapeutic Candidates for Age-Related Macular Degeneration. 2022 , 11, 10	Ο
117	Lack of bidirectional association between age-related macular degeneration and Alzheimer's disease: A Mendelian randomization study.	
116	Targeting the Complement Cascade for Treatment of Dry Age-Related Macular Degeneration. 2022 , 10, 1884	0
115	Complement factor B is critical for sub-RPE deposit accumulation in a model of Doyne honeycomb retinal dystrophy with features of age-related macular degeneration.	1
114	Relationships between lipid-related metabolites and age-related macular degeneration vary with complement genotype. 2022 , 100211	
113	Intermittent Fasting Is Associated With a Decreased Risk of Age-Related Macular Degeneration. 2022 , 243, 1-9	
112	Potential role of extracellular granzyme B in wet age-related macular degeneration and fuchs endothelial corneal dystrophy. 13,	0
111	Potential roles of dietary zeaxanthin and lutein in macular health and function.	Ο
110	Does senescence play a role in age-related macular degeneration?. 2022 , 225, 109254	0
109	Retinal Aging Transcriptome and Cellular Landscape in Association with the Progression of Age-Related Macular Degeneration.	O
108	Single-cell genetics approach in ophthalmology. 2022 , 529-541	0
107	Common and rare genetic risk variants in age-related macular degeneration and genetic risk score in the Coimbra eye study.	O
106	The Essential Role of the Choriocapillaris in Vision: Novel Insights from Imaging and Molecular Biology. 2022 , 8, 33-52	0
105	Systems genomics in age-related macular degeneration. 2022 , 109248	1
104	Zinc supplementation induced transcriptional changes in primary human retinal pigment epithelium: a single-cell RNA sequencing study to understand age-related macular degeneration.	0
103	HTRA1 rs11528744, BCRA1 rs9928736, and B3GLCT rs4381465 are associated with age-related macular degeneration in a Chinese population. 13,	O

102	Update on Viral Gene Therapy Clinical Trials for Retinal Diseases. 2022 , 33, 865-878	O
101	Allosteric inhibition of HTRA1 activity by a conformational lock mechanism to treat age-related macular degeneration. 2022 , 13,	O
100	Common and rare variants in patients with early onset drusen maculopathy. 2022, 102, 414-423	O
99	Retinal Pigment Epithelium-Secreted VEGF-A Induces Alpha-2-Macroglobulin Expression in Endothelial Cells. 2022 , 11, 2975	O
98	An assessment of prevalence of Type 1 CFI rare variants in European AMD, and why lack of broader genetic data hinders development of new treatments and healthcare access. 2022 , 17, e0272260	O
97	Complement C1q-dependent excitatory and inhibitory synapse elimination by astrocytes and microglia in Alzheimer disease mouse models. 2022 , 2, 837-850	3
96	Identification of five genetic variants with differential effects on obesity-related traits based on age. 13,	Ο
95	Knowledge and Awareness About Age-Related Macular Degeneration Among Students of The Syrian Private University.	O
94	Integrating transcriptomics, metabolomics, and GWAS helps reveal molecular mechanisms for metabolite levels and disease risk. 2022 , 109, 1727-1741	1
93	High-resolution genome topology of human retina uncovers super enhancer-promoter interactions at tissue-specific and multifactorial disease loci. 2022 , 13,	1
92	A ten-gene retinal pigment epithelium (RPE)/choroid complex diagnosis signature for age-related macular degeneration.	0
91	A holistic approach to eye care part 2: Age-related macular degeneration; an inflammatory disease. 2020 , 2020, 8335-1	O
90	Revolution in Genetics. 2022 , 3153-3200	O
89	Age-related macular degeneration: A disease of extracellular complement amplification.	O
88	Increased retinal drusen in IgA glomerulonephritis are further evidence for complement activation in disease pathogenesis. 2022 , 12,	0
87	HBEGF-TNF induce a complex outer retinal pathology with photoreceptor cell extrusion in human organoids. 2022 , 13,	O
86	Genetic Aspects of Age-Related Macular Degeneration and Their Therapeutic Potential. 2022, 23, 13280	О
85	Using single molecule Molecular Inversion Probes as a cost-effective, high-throughput sequencing approach to target all genes and loci associated with macular diseases.	O

84	Potential therapeutic targets for age-related macular degeneration: The nuclear option. 2022, 101130	O
83	Polygenic risk score and biochemical/environmental variables predict a low-risk profile of age-related macular degeneration in Sardinia.	O
82	Association of HERPUD1 genetic variant rs2217332 with age-related macular degeneration and polypoidal choroidal vasculopathy in an Indian cohort.	0
81	Liability-scale heritability estimation for biobank studies of low-prevalence disease. 2022 , 109, 2009-2017	O
80	Intercellular communication analysis of the human retinal pigment epithelial and choroidal cells predicts pathways associated with aging, cellular senescence and age-related macular degeneration. 14,	1
79	Personalised medicine part 2: Ophthalmological implications. 2016 , 2016, 145827-1	O
78	Transcriptome analysis of AAV-induced retinopathy models expressing human VEGF, TNF-∄and IL-6 in murine eyes. 2022 , 12,	О
77	A National Catalogue of Viruses Associated with Indigenous Species Reveals High-Throughput Sequencing as a Driver of Indigenous Virus Discovery. 2022 , 14, 2477	O
76	C1q and the classical complement cascade in geographic atrophy secondary to age-related macular degeneration. 2022 , 8,	O
75	Lipid profile and future risk of exudative age-related macular degeneration development: a nationwide cohort study from South Korea. 2022 , 12,	O
74	Gene targeting as a therapeutic avenue in diseases mediated by the complement alternative pathway.	0
73	Multimodal Genotype and Phenotype Data Integration to Improve Partial Data-Based Longitudinal Prediction.	O
72	Associations of Alzheimer Disease P rotective APOE Variants With Age-Related Macular Degeneration.	0
71	Integrative single cell multiomics analysis of human retina indicates a role for hierarchical transcription factors collaboration in genetic effects on gene regulation.	Ο
70	The role of NAD+ metabolism in macrophages in age-related macular degeneration. 2023, 209, 111755	0
69	An Evaluation of the Complement-Regulating Activities of Human Complement Factor H (FH) Variants Associated With Age-Related Macular Degeneration. 2022 , 63, 30	O
68	Genome-Wide Association Study of Age-Related Macular Degeneration Reveals 2 New Loci Implying Shared Genetic Components with Central Serous Chorioretinopathy. 2022 ,	О
67	A novel bispecific fusion protein targeting C3b/C4b and VEGF in Patients with nAMD: A Randomized, Open-label Phase 1b Study. 2022 ,	1

66	Physiology and pathology of the C3 amplification cycle: Alretrospective.	0
65	Retinal pigment epithelium extracellular vesicles are potent inducers of age-related macular degeneration disease phenotype in the outer retina. 2022 , 11, 12295	O
64	Essential Role of Multi-Omics Approaches in the Study of Retinal Vascular Diseases. 2023 , 12, 103	0
63	Structural Variants in Linkage Disequilibrium with GWAS-Significant SNPs.	Ο
62	Integrative Meta-Analysis of Huntington Disease Transcriptome Landscape. 2022, 13, 2385	1
61	Association of Dietary Nitrate and a Mediterranean Diet With Age-Related Macular Degeneration Among US Adults.	O
60	Patterns of gene expression and allele-specific expression vary among macular tissues and clinical stages of Age-related Macular Degeneration.	0
59	Retinal Photoreceptor Protection in an AMD-Related Mouse Model by Selective Sigma-1 or Sigma-2 Receptor Modulation. 2022 , 13, 2386	1
58	10q26 IThe enigma in age-related macular degeneration. 2022 , 101154	0
57	Reticular Pseudodrusen Status, ARMS2/HTRA1 Genotype, and Geographic Atrophy Enlargement: Age-Related Eye Disease Study 2 Report 32. 2022 ,	O
56	Genome-Wide Pleiotropy Study Identifies Association of PDGFB with Age-Related Macular Degeneration and COVID-19 Infection Outcomes. 2023 , 12, 109	0
55	Mendelian randomization analyses in ocular disease: a powerful approach to causal inference with human genetic data. 2022 , 20,	1
54	Past history of obesity triggers persistent epigenetic changes in innate immunity and exacerbates neuroinflammation. 2023 , 379, 45-62	2
53	Increased end-stage renal disease risk in age-related macular degeneration: a nationwide cohort study with 10-year follow-up. 2023 , 13,	O
52	RANTES (CCL5) in Patients With Geographic Atrophy Age-Related Macular Degeneration. 2023, 12, 19	0
51	Rare variant analyses across multiethnic cohorts identify novel genes for refractive error. 2023, 6,	O
50	The LHX2-OTX2 transcriptional regulatory module controls retinal pigmented epithelium differentiation and underlies genetic risk for age-related macular degeneration. 2023 , 21, e3001924	0
49	Exploring the contribution of ARMS2 and HTRA1 genetic risk factors in age-related macular degeneration. 2022 , 101159	1

48	Polygenic Risk Score Impact on Susceptibility to Age-Related Macular Degeneration in Polish Patients. 2023 , 12, 295	1
47	A novel method for real-time analysis of the complement C3b:FH:FI complex reveals dominant negative CFI variants in age-related macular degeneration. 13,	O
46	Multi-ancestry GWAS analysis identifies two novel loci associated with diabetic eye disease and highlightsAPOL1as a high risk locus in patients with diabetic macular edema.	О
45	Lifestyle Intervention Randomized Controlled Trial for Age-Related Macular Degeneration (AMD-Life): Study Design. 2023 , 15, 602	O
44	Phenome-wide Mendelian randomisation analysis identifies causal factors for age-related macular degeneration. 12,	О
43	Implementing Predictive Models in Artificial Intelligence through OCT Biomarkers for Age-Related	
Macular Degeneration. 2023 , 10, 149	O	
42	Knockout of AMD-associated gene POLDIP2 reduces mitochondrial superoxide in human retinal pigment epithelial cells. 2023 , 15, 1713-1733	О
41	Rare variant analyses in large-scale cohorts identified SLC13A1 associated with chronic pain. 2023 , Publish Ahead of Print,	O
40	Ultra-rare complement factor 8 coding variants in families with age-related macular degeneration. 2023 , 106417	0
39	Bruch Membrane: A Key Consideration with Complement-Based Therapies for Age-Related Macular Degeneration. 2023 , 12, 2870	O
38	Establishment of specific age-related macular degeneration relevant gene expression panels using porcine retinal pigment epithelium for assessing fucoidan bioactivity. 2023 , 231, 109469	О
37	Development of a CRISPRi Human Retinal Pigmented Epithelium Model for Functional Study of Age-Related Macular Degeneration Genes. 2023 , 24, 3417	1
36	Photostress Recovery Time as a Potential Predictive Biomarker for Age-Related Macular Degeneration. 2023 , 12, 15	О
35	Transcriptomic and Chromatin Accessibility Analysis of the Human Macular and Peripheral Retinal Pigment Epithelium at the Single-Cell Level. 2023 ,	O
34	Age-Related Macular Degeneration and Its Association With Neurodegenerative Disorders. 2023,	О
33	Eye-brain connections revealed by multimodal retinal and brain imaging genetics in the UK Biobank.	O
32	New insight of metabolomics in ocular diseases in the context of 3P medicine. 2023, 14, 53-71	О
31	Liver X Receptor Agonist Inhibits Oxidized Low-Density Lipoprotein Induced Choroidal Neovascularization via the NF- B Signaling Pathway. 2023 , 12, 1674	O

30	Emerging therapeutic strategies for unmet need in neovascular age-related macular degeneration. 2023 , 21,	O
29	Analysis of Wild Type and Variant B Cystatin C Interactome in Retinal Pigment Epithelium Cells Reveals Variant B Interacting Mitochondrial Proteins. 2023 , 12, 713	O
28	Genome-wide association study and identification of systemic comorbidities in development of age-related macular degeneration in a hospital-based cohort of Han Chinese. 14,	O
27	Sub-cellular level resolution of common genetic variation in the photoreceptor layer identifies continuum between rare disease and common variation. 2023 , 19, e1010587	O
26	The extracellular microenvironment in immune dysregulation and inflammation in retinal disorders. 14,	O
25	Zinc Supplementation Induced Transcriptional Changes in Primary Human Retinal Pigment Epithelium: A Single-Cell RNA Sequencing Study to Understand Age-Related Macular Degeneration. 2023 , 12, 773	O
24	Polyunsaturated Lipids in the Light-Exposed and Prooxidant Retinal Environment. 2023, 12, 617	O
23	MMP9-Responsive Graphene Oxide Quantum Dot-Based Nano-in-Micro Drug Delivery System for Combinatorial Therapy of Choroidal Neovascularization. 2207335	O
22	A laser-induced mouse model of progressive retinal degeneration with central sparing displays features of parafoveal geographic atrophy. 2023 , 13,	O
21	Genome-wide analysis of genetic pleiotropy and causal genes across three age-related ocular disorders. 2023 , 142, 507-522	O
20	Transcriptomic changes predict metabolic alterations in LC3 associated phagocytosis in aged mice.	O
19	Heritable Risk and Protective Genetic Components of Glaucoma Medication Non-Adherence. 2023 , 24, 5636	O
18	Dietary nutrient intake and cognitive function in the Age-Related Eye Disease Studies 1 and 2.	O
17	Proteotranscriptomic analyses reveal distinct interferon-beta signaling pathways and therapeutic targets in choroidal neovascularization. 14,	O
16	Latest Development on Genetics of Common Retinal Diseases. 2023 , 12, 228-251	O
15	Drug discovery and development. 2023 , 35-41	O
14	The Role of the Complement Pathway in Clinical Progression of Geographic Atrophy: Analysis of the Phase 3 Chroma and Spectri Trials. 2023 , 100301	O
13	Sigma-2 Receptors E rom Basic Biology to Therapeutic Target: A Focus on Age-Related Degenerative Diseases. 2023 , 24, 6251	O

CITATION REPORT

12	Age-related macular degeneration. 2023 ,	О
11	Predicting late-stage age-related macular degeneration by integrating marginally weak SNPs in GWA studies. 14,	O
10	Transcriptomic Changes Predict Metabolic Alterations in LC3 Associated Phagocytosis in Aged Mice. 2023 , 24, 6716	О
9	Geographic Atrophy in Age-Related Macular Degeneration: A Tale of Two Stages. 2023 , 100306	O
8	Targeting angiogenesis in oncology, ophthalmology and beyond.	О
7	IKK#nhibition Attenuates Epithelial Mesenchymal Transition of Human Stem Cell-Derived Retinal Pigment Epithelium. 2023 , 12, 1155	O
6	A systems biology approach uncovers novel disease mechanisms in age-related macular degeneration. 2023 , 100302	0
5	Overlap of Genetic Loci for Central Serous Chorioretinopathy With Age-Related Macular Degeneration.	O
4	What Can We Learn From the Surprising Insight Into the Genetic Background of Age-Related Macular Degeneration and Central Serous Chorioretinopathy?.	O
3	Rare CIDEC coding variants enriched in age-related macular degeneration patients with small low-luminance deficit cause lipid droplet and fat storage defects. 2023 , 18, e0280484	O
2	Retinal Aging Transcriptome and Cellular Landscape in Association With the Progression of Age-Related Macular Degeneration. 2023 , 64, 32	0
1	Location of Retinal Pigment Epithelial Cells in the Eye Is Critical to Their Function. 2023,	O