# Roy A Quinlan

List of Publications by Year
in descending order



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|---|---|---|---|
| 144 papers | 7,795 citations | 44069 48 h-index | 58581 82 g-index |
| 145 all docs | 145 docs citations | 145 times ranked | 5566 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Patterns of Expression and Organization of Cytokeratin Intermediate Filaments. Annals of the New York Academy of Sciences, 1985, 455, 282-306. | 3.8 | 383 |
| 2 | GFAP and its role in Alexander disease. Experimental Cell Research, 2007, 313, 2077-2087. | 2.6 | 296 |
| 3 | [34] Separation of cytokeratin polypeptides by gel electrophoretic and chromatographic techniques and their identification by immunoblotting. Methods in Enzymology, 1986, 134, 355-371. | 1.0 | 231 |
| 4 | Lamin A/C Binding Protein LAP2Î± Is Required for Nuclear Anchorage of Retinoblastoma Protein. Molecular Biology of the Cell, 2002, 13, 4401-4413. | 2.1 | 224 |
| 5 | Glial fibrillary acidic protein mutations in infantile, juvenile, and adult forms of Alexander disease. Annals of Neurology, 2005, 57, 310-326. | 5.3 | 220 |
| 6 | Heterotypic tetramer (A2D2) complexes of non-epidermal keratins isolated from cytoskeletons of rat hepatocytes and hepatoma cells. Journal of Molecular Biology, 1984, 178, 365-388. | 4.2 | 209 |
| 7 | Identification of a distinct soluble subunit of an intermediate filament protein: tetrameric vimentin from living cells.. Proceedings of the National Academy of Sciences of the United States of America, 1985, 82, 7929-7933. | 7.1 | 208 |
| 8 | Alpha-B Crystallin Gene (CRYAB) Mutation Causes Dominant Congenital Posterior Polar Cataract in Humans. American Journal of Human Genetics, 2001, 69, 1141-1145. | 6.2 | 208 |
| 9 | The Cardiomyopathy and Lens Cataract Mutation in Î±B-crystallin Alters Its Protein Structure, Chaperone Activity, and Interaction with Intermediate Filaments in Vitro. Journal of Biological Chemistry, 1999, 274, 33235-33243. | 3.4 | 190 |
| 10 | Aniridia-associated translocations, DNase hypersensitivity, sequence comparison and transgenic analysis redefine the functional domain of PAX6. Human Molecular Genetics, 2001, 10, 2049-2059. | 2.9 | 180 |
| 11 | Heteropolymer filaments of vimentin and desmin in vascular smooth muscle tissue and cultured baby hamster kidney cells demonstrated by chemical crosslinking.. Proceedings of the National Academy of Sciences of the United States of America, 1982, 79, 3452-3456. | 7.1 | 161 |
| 12 | The growing world of small heat shock proteins: from structure to functions. Cell Stress and Chaperones, 2017, 22, 601-611. | 2.9 | 158 |
| 13 | Molecular Interactions in Intermediate-Sized Filaments Revealed by Chemical Cross-Linking. Heteropholymers of Vimentin and Glial Filament Protein in Cultured Human Glima Cells. FEBS Journal, 1983, 132, 477-484. | 0.2 | 149 |
| 14 | Altered aggregation properties of mutant Î³-crystallins cause inherited cataract. EMBO Journal, 2002, 21, 6005-6014. | 7.8 | 147 |
| 15 | Comparison of the small heat shock proteins ?B-crystallin, MKBP, HSP25, HSP20, and cvHSP in heart and skeletal muscle. Histochemistry and Cell Biology, 2000, 122, 415-425. | 1.7 | 145 |
| 16 | Functions of the intermediate filament cytoskeleton in the eye lens. Journal of Clinical Investigation, 2009, 119, 1837-1848. | 8.2 | 142 |
| 17 | In vitro studies on the assembly properties of the lens proteins CP49, CP115: Coassembly with Î±-crystallin but not with vimentin. Experimental Eye Research, 1995, 60, 181-192. | 2.6 | 126 |
| 18 | The Alexander Diseaseâ€“Causing Glial Fibrillary Acidic Protein Mutant, R416W, Accumulates into Rosenthal Fibers by a Pathway That Involves Filament Aggregation and the Association of Î±B-Crystallin and HSP27. American Journal of Human Genetics, 2006, 79, 197-213. | 6.2 | 123 |

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| 19 | Characterization of dimer subunits of intermediate filament proteins. Journal of Molecular Biology, 1986, 192, 337-349. | 4.2 | 120 |
| 20 | Proteolytic modification of acidic and basic keratins during terminal differentiation of mouse and human epidermis. FEBS Journal, 1984, 142, 29-36. | 0.2 | 107 |
| 21 | Use of a drug-resistant mutant of stress-activated protein kinase 2a/p38 to validate the in vivo specificity of SB 203580. FEBS Letters, 1999, 451, 191-196. | 2.8 | 106 |
| 22 | Ionizing radiation induced cataracts: Recent biological and mechanistic developments and perspectives for future research. Mutation Research - Reviews in Mutation Research, 2016, 770, 238-261. | 5.5 | 105 |
| 23 | Desmin Aggregate Formation by R120G Î±B-Crystallin Is Caused by Altered Filament Interactions and Is Dependent upon Network Status in Cells. Molecular Biology of the Cell, 2004, 15, 2335-2346. | 2.1 | 99 |
| 24 | Expression of individual lamins in basal cell carcinomas of the skin. British Journal of Cancer, 2001, 84, 512-519. | 6.4 | 93 |
| 25 | Bovine filensin possesses primary and secondary structure similarity to intermediate filament proteins.. Journal of Cell Biology, 1993, 121, 847-853. | 5.2 | 91 |
| 26 | Knockout of the intermediate filament protein CP49 destabilises the lens fibre cell cytoskeleton and decreases lens optical quality, but does not induce cataract. Experimental Eye Research, 2003, 76, 385-391. | 2.6 | 91 |
| 27 | The C Terminus of Lens Aquaporin 0 Interacts with the Cytoskeletal Proteins Filensin and CP49. , 2006, 47, 1562. | | 91 |
| 28 | Glial Fibrillary Acidic Protein Filaments Can Tolerate the Incorporation of Assembly-compromised GFAP-Î´, but with Consequences for Filament Organization and Î±B-Crystallin Association. Molecular Biology of the Cell, 2008, 19, 4521-4533. | 2.1 | 91 |
| 29 | Human keratin 8 mutations that disturb filament assembly observed in inflammatory bowel disease patients. Journal of Cell Science, 2004, 117, 1989-1999. | 2.0 | 84 |
| 30 | Oligomers of Mutant Glial Fibrillary Acidic Protein (GFAP) Inhibit the Proteasome System in Alexander Disease Astrocytes, and the Small Heat Shock Protein Î±B-Crystallin Reverses the Inhibition. Journal of Biological Chemistry, 2010, 285, 10527-10537. | 3.4 | 81 |
| 31 | Changes in the nucleolar and coiled body compartments precede lamina and chromatin reorganization during fibre cell denucleation in the bovine lens. European Journal of Cell Biology, 1998, 75, 237-246. | 3.6 | 80 |
| 32 | R120G Î±B-crystallin promotes the unfolding of reduced Î±-lactalbumin and is inherently unstable. FEBS Journal, 2005, 272, 711-724. | 4.7 | 78 |
| 33 | Three Murine Cataract Mutants (Cat2) Are Defective in Different Î³-Crystallin Genes. Genomics, 1998, 52, 152-158. | 2.9 | 77 |
| 34 | Molecular interactions in paracrystals of a fragment corresponding to the alpha-helical coiled-coil rod portion of glial fibrillary acidic protein: evidence for an antiparallel packing of molecules and polymorphism related to intermediate filament structure.. Journal of Cell Biology, 1989, 109, 225-234. | 5.2 | 76 |
| 35 | Cytoskeletal Competence Requires Protein Chaperones. Progress in Molecular and Subcellular Biology, 2002, 28, 219-233. | 1.6 | 71 |
| 36 | Distinct nuclear assembly pathways for lamins A and C lead to their increase during quiescence in Swiss 3T3 cells. Journal of Cell Science, 1997, 110, 2483-2493. | 2.0 | 71 |

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| 37 | Translocation of Small Heat Shock Proteins to the Actin Cytoskeleton upon Proteasomal Inhibition. Journal of Molecular and Cellular Cardiology, 2002, 34, 117-128. | 1.9 | 70 |
| 38 | Molecular chaperones: Small heat shock proteins in the limelight. Current Biology, 1999, 9, R103-R105. | 3.9 | 69 |
| 39 | Alexander-disease mutation of GFAP causes filament disorganization and decreased solubility of GFAP. Journal of Cell Science, 2005, 118, 2057-2065. | 2.0 | 68 |
| 40 | The beaded filament of the eye lens: an unexpected key to intermediate filament structure and function. Trends in Cell Biology, 1996, 6, 123-126. | 7.9 | 65 |
| 41 | Antiischemic Effects of SB203580 Are Mediated Through the Inhibition of p38Î± Mitogen-Activated Protein Kinase. Circulation Research, 2001, 89, 750-752. | 4.5 | 64 |
| 42 | A comparison of tubulins from mammalian brain andPhysarumpolycephalumusing SDS-polyacrylamide gel electrophoresis and peptide mapping. FEBS Letters, 1980, 115, 301-305. | 2.8 | 61 |
| 43 | Antagonistic action of Six3 and Prox1 at the gamma-crystallin promoter. Nucleic Acids Research, 2001, 29, 515-526. | 14.5 | 61 |
| 44 | FGF-2 Release from the Lens Capsule by MMP-2 Maintains Lens Epithelial Cell Viability. Molecular Biology of the Cell, 2007, 18, 4222-4231. | 2.1 | 61 |
| 45 | Nuclear speckle localisation of the small heat shock protein ?B-crystallin and its inhibition by the R120G cardiomyopathy-linked mutation. Experimental Cell Research, 2003, 287, 249-261. | 2.6 | 56 |
| 46 | Gap Junctions Containing Î±8-Connexin (MP70) in the Adult Mammalian Lens Epithelium Suggests a Re-evaluation of its Role in the Lens. Experimental Eye Research, 1999, 69, 45-56. | 2.6 | 55 |
| 47 | Increased solubility of lamins and redistribution of lamin C in X-linked Emeryâ€“Dreifuss muscular dystrophy fibroblasts. Journal of Structural Biology, 2002, 140, 241-253. | 2.8 | 52 |
| 48 | Insights into the beaded filament of the eye lens. Experimental Cell Research, 2007, 313, 2180-2188. | 2.6 | 49 |
| 49 | Truncation of Î±B-Crystallin by the Myopathy-causing Q151X Mutation Significantly Destabilizes the Protein Leading to Aggregate Formation in Transfected Cells. Journal of Biological Chemistry, 2008, 283, 10500-10512. | 3.4 | 49 |
| 50 | Cataractogenic load â€“ A concept to study the contribution of ionizing radiation to accelerated aging in the eye lens. Mutation Research - Reviews in Mutation Research, 2019, 779, 68-81. | 5.5 | 49 |
| 51 | Inherited cataracts: molecular genetics, clinical features, disease mechanisms and novel therapeutic approaches. British Journal of Ophthalmology, 2020, 104, 1331-1337. | 3.9 | 49 |
| 52 | Fatal attraction: When chaperone turns harlot. Nature Medicine, 1999, 5, 25-26. | 30.7 | 48 |
| 53 | Bfsp2 mutation found in mouse 129 strains causes the loss of CP49â€™ and induces vimentin-dependent changes in the lens fibre cell cytoskeleton. Experimental Eye Research, 2004, 78, 875-889. | 2.6 | 46 |
| 54 | Cell cycle changes in A-type lamin associations detected in human dermal fibroblasts using monoclonal antibodies. Chromosome Research, 1997, 5, 383-394. | 2.2 | 45 |

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| 55 | The functional roles of the unstructured N- and C-terminal regions in Î±B-crystallin and other mammalian small heat-shock proteins. Cell Stress and Chaperones, 2017, 22, 627-638. | 2.9 | 45 |
| 56 | Homeostasis in the vertebrate lens: mechanisms of solute exchange. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 1265-1277. | 4.0 | 44 |
| 57 | Up-regulation of novel intermediate filament proteins in primary fiber cells: An indicator of all vertebrate lens fiber differentiation?. The Anatomical Record, 2000, 258, 25-33. | 1.8 | 43 |
| 58 | A rim-and-spoke hypothesis to explain the biomechanical roles for cytoplasmic intermediate filament networks. Journal of Cell Science, 2017, 130, 3437-3445. | 2.0 | 43 |
| 59 | Nonlinear ionizing radiation-induced changes in eye lens cell proliferation, cyclin D1 expression and lens shape. Open Biology, 2015, 5, 150011. | 3.6 | 42 |
| 60 | Site-specific phosphorylation and caspase cleavage of GFAP are new markers of Alexander disease severity. ELife, 2019, 8, . | 6.0 | 42 |
| 61 | The specificity of the interaction between<i>Î±</i>B-crystallin and desmin filaments and its impact on filament aggregation and cell viability. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120375. | 4.0 | 40 |
| 62 | A cell polarity protein aPKCÎ» is required for eye lens formation and growth. Developmental Biology, 2009, 336, 246-256. | 2.0 | 39 |
| 63 | Caspase Cleavage of GFAP Produces an Assembly-Compromised Proteolytic Fragment that Promotes Filament Aggregation. ASN Neuro, 2013, 5, AN20130032. | 2.7 | 39 |
| 64 | Alexander Disease: A Genetic Disorder of Astrocytes. , 2009, , 591-648. | | 39 |
| 65 | Radiation protection of the eye lens in medical workersâ€"basis and impact of the ICRP recommendations. British Journal of Radiology, 2016, 89, 20151034. | 2.2 | 38 |
| 66 | Tumor necrosis factor-induced protection of the murine heart is independent of p38-MAPK activation. Journal of Molecular and Cellular Cardiology, 2003, 35, 1523-1527. | 1.9 | 36 |
| 67 | Intermediate filament transcription in astrocytes is repressed by proteasome inhibition. FASEB Journal, 2009, 23, 2710-2726. | 0.5 | 36 |
| 68 | Crystalline tubes of myosin subfragment-2 showing the coiled-coil and molecular interaction geometry.. Journal of Cell Biology, 1987, 105, 403-415. | 5.2 | 34 |
| 69 | Alexander disease causing mutations in the C-terminal domain of GFAP are deleterious both to assembly and network formation with the potential to both activate caspase 3 and decrease cell viability. Experimental Cell Research, 2011, 317, 2252-2266. | 2.6 | 34 |
| 70 | Differential effect of simvastatin on activation of Rac1 vs. activation of the heat shock protein 27-mediated pathway upon oxidative stress, in human smooth muscle cells. Biochemical Pharmacology, 2002, 64, 1483-1491. | 4.4 | 33 |
| 71 | Bfsp2 mutation found in mouse 129 strains causes the loss of CP49 and induces vimentin-dependent changes in the lens fibre cell cytoskeleton. Experimental Eye Research, 2004, 78, 109-123. | 2.6 | 33 |
| 72 | Seeing is believing! The optical properties of the eye lens are dependent upon a functional intermediate filament cytoskeleton. Experimental Cell Research, 2005, 305, 1-9. | 2.6 | 33 |

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| 73 | Lens cells: More than meets the eye. International Journal of Biochemistry and Cell Biology, 2007, 39, 1754-1759. | 2.8 | 33 |
| 74 | Inverse dose-rate effect of ionising radiation on residual 53BP1 foci in the eye lens. Scientific Reports, 2019, 9, 10418. | 3.3 | 31 |
| 75 | The chicken CP49 gene contains an extra exon compared to the human CP49 gene which identifies an important step in the evolution of the eye lens intermediate filament proteins. Gene, 1998, 211, 19-27. | 2.2 | 30 |
| 76 | cDNA Cloning, Expression, and Assembly Characteristics of Mouse Keratin 16. Journal of Biological Chemistry, 1998, 273, 32265-32272. | 3.4 | 30 |
| 77 | Expression and characterization of human lamin C. FEBS Letters, 1990, 268, 301-305. | 2.8 | 27 |
| 78 | Inhibition of p38 MAPK activity fails to attenuate contractile dysfunction in a mouse model of low-flow ischemia. Cardiovascular Research, 2004, 61, 123-131. | 3.8 | 27 |
| 79 | A gradient of matrix-bound FGF-2 and perlecan is available to lens epithelial cells. Experimental Eye Research, 2014, 120, 10-14. | 2.6 | 27 |
| 80 | The predicted structure of chick lens CP49 and a variant thereof, CP49<sub>ins</sub>, the first vertebrate cytoplasmic intermediate filament protein with a lamin-like insertion in helix 1B. Current Eye Research, 1995, 14, 545-553. | 1.5 | 26 |
| 81 | The 53kDa polypeptide component of the bovine fibre cell cytoskeleton is derived from the 115kDa beaded filament protein: evidence for a fibre cell specific intermediate filament protein. Current Eye Research, 1992, 11, 909-921. | 1.5 | 25 |
| 82 | Association of the nuclear matrix component NuMA with the Cajal body and nuclear speckle compartments during transitions in transcriptional activity in lens cell differentiation. European Journal of Cell Biology, 2002, 81, 557-566. | 3.6 | 25 |
| 83 | The genetic landscape of crystallins in congenital cataract. Orphanet Journal of Rare Diseases, 2020, 15, 333. | 2.7 | 25 |
| 84 | Gene structure and sequence comparisons of the eye lens specific protein, filensin, from rat and mouse: implications for protein classification and assembly. Gene, 1997, 201, 11-20. | 2.2 | 24 |
| 85 | The Intermediate Filament Systems in the Eye Lens. Methods in Cell Biology, 2004, 78, 597-624. | 1.1 | 23 |
| 86 | Chaperones: needed for both the good times and the bad times. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20130091. | 4.0 | 23 |
| 87 | A dimensionless ordered pull-through model of the mammalian lens epithelium evidences scaling across species and explains the age-dependent changes in cell density in the human lens. Journal of the Royal Society Interface, 2015, 12, 20150391. | 3.4 | 23 |
| 88 | Cytoskeletal catastrophe causes brain degeneration. Nature Genetics, 2001, 27, 10-11. | 21.4 | 22 |
| 89 | Multiple Sites in Î±B-Crystallin Modulate Its Interactions with Desmin Filaments Assembled In Vitro. PLoS ONE, 2011, 6, e25859. | 2.5 | 22 |
| 90 | Specific interaction between lens MIP/Aquaporin-0 and two members of the gamma-crystallin family. Molecular Vision, 2005, 11, 76-87. | 1.1 | 22 |

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|---|---|---|---|
| 91 | 118 Susceptibility of lens epithelial and fibre cells at different stages of differentiation to apoptosis. Biochemical Society Transactions, 1998, 26, S349-S349. | 3.4 | 20 |
| 92 | Expression and localisation of apical junctional complex proteins in lens epithelial cells. Experimental Eye Research, 2008, 87, 64-70. | 2.6 | 20 |
| 93 | MAPKAPK-2 modulates p38-MAPK localization and small heat shock protein phosphorylation but does not mediate the injury associated with p38-MAPK activation during myocardial ischemia. Cell Stress and Chaperones, 2009, 14, 477-489. | 2.9 | 20 |
| 94 | Small molecules, both dietary and endogenous, influence the onset of lens cataracts. Experimental Eye Research, 2017, 156, 87-94. | 2.6 | 20 |
| 95 | Î±B-crystallin is a sensor for assembly intermediates and for the subunit topology of desmin intermediate filaments. Cell Stress and Chaperones, 2017, 22, 613-626. | 2.9 | 20 |
| 96 | IDENTIFICATION OF THE ANTIGEN RECOGNIZED BY THE MONOCLONAL ANTIBODY BU31 AS LAMINS A AND C. , 1996, 178, 21-29. | | 18 |
| 97 | Reloading the retina by modifying the glial matrix. Trends in Neurosciences, 2004, 27, 241-242. | 8.6 | 18 |
| 98 | Antimycin A induced cardioprotection is dependent on pre-ischemic p38-MAPK activation but independent of MKK3. Journal of Molecular and Cellular Cardiology, 2005, 39, 709-717. | 1.9 | 18 |
| 99 | Changes in the quaternary structure and function of MjHSP16.5 attributable to deletion of the IXI motif and introduction of the substitution, R107G, in the <i>Î±</i> -crystallin domain. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120327. | 4.0 | 18 |
| 100 | A new dawn for cataracts. Science, 2015, 350, 636-637. | 12.6 | 18 |
| 101 | Sub-nanometre mapping of the aquaporinâ€“water interface using multifrequency atomic force microscopy. Soft Matter, 2017, 13, 187-195. | 2.7 | 18 |
| 102 | BFSP1 C-terminal domains released by post-translational processing events can alter significantly the calcium regulation of AQP0 water permeability. Experimental Eye Research, 2019, 185, 107585. | 2.6 | 16 |
| 103 | Characterisation of a microtubule organising centre from Physarum polycephalum myxamoebae. Journal of Ultrastructure Research, 1981, 74, 313-321. | 1.1 | 15 |
| 104 | Cholesterol oxides mediated changes in cytoskeletal organisation involves Rho GTPasesâ˜†â˜†. Experimental Cell Research, 2003, 291, 502-513. | 2.6 | 15 |
| 105 | Lenticular chaperones suppress the aggregation of the cataract-causing mutant T5P Î³C-crystallin. Experimental Cell Research, 2006, 312, 51-62. | 2.6 | 15 |
| 106 | A Thermodynamic Model of Microtubule Assembly and Disassembly. PLoS ONE, 2009, 4, e6378. | 2.5 | 15 |
| 107 | Stochastically determined directed movement explains the dominant smallâ€scale mitochondrial movements within nonâ€neuronal tissue culture cells. FEBS Letters, 2009, 583, 1267-1273. | 2.8 | 15 |
| 108 | Î³-Crystallin redoxâ€“detox in the lens. Journal of Biological Chemistry, 2018, 293, 18010-18011. | 3.4 | 15 |

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| 109 | Molecular interactions in intermediate filaments. BioEssays, 1991, 13, 597-600. | 2.5 | 14 |
| 110 | Reorganization of centrosomal marker proteins coincides with epithelial cell differentiation in the vertebrate lens. Experimental Eye Research, 2007, 85, 696-713. | 2.6 | 13 |
| 111 | The lipidation profile of aquaporin-0 correlates with the acyl composition of phosphoethanolamine lipids in lens membranes. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 2763-2768. | 2.6 | 13 |
| 112 | Identification and functional analysis of the mouse lens filensin gene promoter. Gene, 1998, 214, 77-86. | 2.2 | 12 |
| 113 | Three-dimensional data capture and analysis of intact eye lenses evidences emmetropia-associated changes in epithelial cell organization. Scientific Reports, 2020, 10, 16898. | 3.3 | 12 |
| 114 | Neuronal Diseases: Small Heat Shock Proteins Calm Your Nerves. Current Biology, 2004, 14, R625-R626. | 3.9 | 11 |
| 115 | 178 Lens cell organelle loss during differentiation versus stress-induced apoptotic changes. Biochemical Society Transactions, 1997, 25, S584-S584. | 3.4 | 10 |
| 116 | Mapping of the Human CP49 Gene and Identification of an Intragenic Polymorphic Marker to Allow Genetic Linkage Analysis in Autosomal Dominant Congenital Cataract. Biochemical and Biophysical Research Communications, 2000, 270, 432-436. | 2.1 | 9 |
| 117 | Purification of Protein Chaperones and Their Functional Assays with Intermediate Filaments. Methods in Enzymology, 2016, 569, 155-175. | 1.0 | 9 |
| 118 | A silk purse from a sow's earâ€"bioinspired materials based on Î±-helical coiled coils. Current Opinion in Cell Biology, 2015, 32, 131-137. | 5.4 | 8 |
| 119 | Non-invasive in vivo quantification of the developing optical properties and graded index of the embryonic eye lens using SPIM. Biomedical Optics Express, 2018, 9, 2176. | 2.9 | 8 |
| 120 | A novel missense mutation in<i>LIM2</i>causing isolated autosomal dominant congenital cataract. Ophthalmic Genetics, 2020, 41, 131-134. | 1.2 | 8 |
| 121 | On the Nature of Murine Radiation-Induced Subcapsular Cataracts: Optical Coherence Tomography-Based Fine Classification, In Vivo Dynamics and Impact on Visual Acuity. Radiation Research, 2021, 197, . | 1.5 | 7 |
| 122 | THE IMPACT OF CIRCADIAN RHYTHMS ON MEDICAL IMAGING AND RADIOTHERAPY REGIMES FOR THE PAEDIATRIC PATIENT. Radiation Protection Dosimetry, 2017, 173, 16-20. | 0.8 | 6 |
| 123 | Localization of Two Conserved Cis -acting Enhancer Regions for the Filensin Gene Promoter That Direct Lens-specific Expression. Experimental Eye Research, 2002, 75, 295-305. | 2.6 | 5 |
| 124 | Evolution of the vertebrate beaded filament protein, Bfsp2; comparing the inÂvitro assembly properties of a â€œtailedâ€• zebrafish Bfsp2 to its â€œtaillessâ€• human orthologue. Experimental Eye Research, 2012, 94, 192-202. | 2.6 | 5 |
| 125 | Introduction to the Special LDLensRad Focus Issue. Radiation Research, 2021, 197, . | 1.5 | 5 |
| 126 | Lens Cell Cytoskeleton. , 2004, , 173-188. | | 4 |

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| 127 | In vivo, Ex Vivo, and In Vitro Approaches to Study Intermediate Filaments in the Eye Lens. Methods in Enzymology, 2016, 568, 581-611. | 1.0 | 4 |
| 128 | Whole Exome Sequencing Reveals Novel and Recurrent Disease-Causing Variants in Lens Specific Gap Junctional Protein Encoding Genes Causing Congenital Cataract. Genes, 2020, 11, 512. | 2.4 | 4 |
| 129 | Pathogenic variants in the <i>CYP21A2</i> gene cause isolated autosomal dominant congenital posterior polar cataracts. Ophthalmic Genetics, 2022, 43, 218-223. | 1.2 | 4 |
| 130 | The importance of the epithelial fibre cell interface to lens regeneration in an in vivo rat model and in a human bag-in-the-lens (BiL) sample. Experimental Eye Research, 2021, 213, 108808. | 2.6 | 4 |
| 131 | The Dynamic Duo of Small Heat Proteins and IFs Maintain Cell Homeostasis, Resist Cellular Stress and Enable Evolution in Cells and Tissues. Heat Shock Proteins, 2015, , 401-434. | 0.2 | 3 |
| 132 | Localization of Two Conserved Cis -acting Enhancer Regions for the Filensin Gene Promoter That Direct Lens-specific Expression. Experimental Eye Research, 2002, 75, 295-305. | 2.6 | 3 |
| 133 | Focus on Molecules: FoxE3. Experimental Eye Research, 2007, 84, 799-800. | 2.6 | 2 |
| 134 | Variants in PAX6, PITX3 and HSF4 causing autosomal dominant congenital cataracts. Eye, 2022, 36, 1694-1701. | 2.1 | 2 |
| 135 | The Role of Repeating Sequence Motifs in Interactions Between Î±-Helical Coiled-Coils such as Myosin, Tropomyosin and Intermediate-Filament Proteins. Springer Series in Biophysics, 1989, , 150-159. | 0.4 | 2 |
| 136 | The eye lens as an aging paradigm par excellence. Experimental Eye Research, 2022, 218, 109003. | 2.6 | 2 |
| 137 | Structural differences between blood-platelet tubulin and other mammalian tubulins. BBA - Proteins and Proteomics, 1987, 916, 83-88. | 2.1 | 1 |
| 138 | Chicken CP49: Significant or Paltry. Ophthalmic Research, 1996, 28, 55-57. | 1.9 | 1 |
| 139 | Using SPIM to track the development of the focal power of the zebrafish lens. Proceedings of SPIE, 2015, , . | 0.8 | 1 |
| 140 | Structural Proteins \| Crystallins of the Mammalian Eye Lens. , 2021, , 639-667. | | 1 |
| 141 | Cluster analyses of the TCGA and a TMA dataset using the coexpression of HSP27 and CRYAB improves alignment with clinical-pathological parameters of breast cancer and suggests different epichaperome influences for each sHSP. Cell Stress and Chaperones, 2022, 27, 177-188. | 2.9 | 1 |
| 142 | Reply to Veromann. American Journal of Human Genetics, 2002, 71, 685-686. | 6.2 | 0 |
| 143 | The eye lens - a paradigm for healthy living. Experimental Eye Research, 2017, 156, 1-2. | 2.6 | 0 |
| 144 | Intermediate Filament Diversity as Detected by Antibodies. , 1985, , 223-226. | | 0 |