

David S Papermaster

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

2,727
citations

331670

21
h-index

414414

32
g-index

35
all docs

35
docs citations

35
times ranked

1376
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Rhodopsin content in the outer segment membranes of bovine and frog retinal rods. <i>Biochemistry</i> , 1974, 13, 2438-2444. | 2.5 | 784 |
| 2 | [8] Preparation of retinal rod outer segments. <i>Methods in Enzymology</i> , 1982, 81, 48-52. | 1.0 | 256 |
| 3 | Mutant rab8 Impairs Docking and Fusion of Rhodopsin-bearing Post-Golgi Membranes and Causes Cell Death of Transgenic <i>Xenopus</i> Rods. <i>Molecular Biology of the Cell</i> , 2001, 12, 2341-2351. | 2.1 | 223 |
| 4 | Identification of an Outer Segment Targeting Signal in the Cooch Terminus of Rhodopsin Using Transgenic <i>Xenopus laevis</i> . <i>Journal of Cell Biology</i> , 2000, 151, 1369-1380. | 5.2 | 194 |
| 5 | Production of bovine rhodopsin by mammalian cell lines expressing cloned cDNA: Spectrophotometry and subcellular localization. <i>Vision Research</i> , 1989, 29, 907-914. | 1.4 | 147 |
| 6 | Membrane biosynthesis in the frog retina. Opsin transport in the photoreceptor cell. <i>Biochemistry</i> , 1975, 14, 1343-1352. | 2.5 | 106 |
| 7 | The C Terminus of Peripherin/rds Participates in Rod Outer Segment Targeting and Alignment of Disk Incisures. <i>Molecular Biology of the Cell</i> , 2004, 15, 2027-2037. | 2.1 | 101 |
| 8 | Biosynthetic and immunochemical characterization of a large protein in frog and cattle rod outer segment membranes. <i>Experimental Eye Research</i> , 1976, 23, 105-115. | 2.6 | 84 |
| 9 | A Functional Rhodopsin-Green Fluorescent Protein Fusion Protein Localizes Correctly in Transgenic <i>Xenopus laevis</i> Retinal Rods and Is Expressed in a Time-dependent Pattern. <i>Journal of Biological Chemistry</i> , 2001, 276, 28242-28251. | 3.4 | 76 |
| 10 | Arrestin migrates in photoreceptors in response to light: a study of arrestin localization using an arrestin-GFP fusion protein in transgenic frogs. <i>Experimental Eye Research</i> , 2003, 76, 553-563. | 2.6 | 63 |
| 11 | Cone lamellae and red and green rod outer segment disks contain a large intrinsic membrane protein on their margins: An ultrastructural immunocytochemical study of frog retinas. <i>Vision Research</i> , 1982, 22, 1417-1428. | 1.4 | 62 |
| 12 | Post-Golgi Vesicles Cotransport Docosahexaenoyl-Phospholipids and Rhodopsin during Frog Photoreceptor Membrane Biogenesis. <i>Journal of Biological Chemistry</i> , 1997, 272, 10491-10497. | 3.4 | 61 |
| 13 | The Role of Subunit Assembly in Peripherin-2 Targeting to Rod Photoreceptor Disk Membranes and Retinitis Pigmentosa. <i>Molecular Biology of the Cell</i> , 2003, 14, 3400-3413. | 2.1 | 57 |
| 14 | Opsin distribution and synthesis in degenerating photoreceptors of rd mutant mice. <i>Experimental Eye Research</i> , 1989, 49, 403-421. | 2.6 | 48 |
| 15 | Prominin-1 Localizes to the Open Rims of Outer Segment Lamellae in <i>Xenopus laevis</i> Rod and Cone Photoreceptors. , 2012, 53, 361. | | 48 |
| 16 | Studies on Synthetic Polypeptide Antigens. <i>Journal of Biological Chemistry</i> , 1967, 242, 3308-3318. | 3.4 | 47 |
| 17 | The birth and death of photoreceptors: the Friedenwald Lecture. <i>Investigative Ophthalmology and Visual Science</i> , 2002, 43, 1300-9. | 3.3 | 47 |
| 18 | [35] Preparation of antibodies to rhodopsin and the large protein of rod outer segments. <i>Methods in Enzymology</i> , 1982, 81, 240-246. | 1.0 | 43 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Immunocytochemical reactivity of <i>Xenopus laevis</i> retinal rods and cones with several monoclonal antibodies to visual pigments. <i>Journal of Comparative Neurology</i> , 1989, 290, 105-117. | 1.6 | 37 |
| 20 | Opsin gene expression during early and late phases of retinal degeneration in rds mice. <i>Experimental Eye Research</i> , 1990, 51, 257-267. | 2.6 | 35 |
| 21 | ON THE ABSENCE OF UBIQUITOUS STRUCTURAL PROTEIN SUBUNITS IN BIOLOGICAL MEMBRANES*. <i>Annals of the New York Academy of Sciences</i> , 1972, 195, 61-74. | 3.8 | 29 |
| 22 | The proliferative and apoptotic activities of E2F1 in the mouse retina. <i>Oncogene</i> , 2001, 20, 7073-7084. | 5.9 | 28 |
| 23 | Biosynthesis and Morphogenesis of Outer Segment Membranes in Vertebrate Photoreceptor Cells. , 1982, , 475-531. | | 27 |
| 24 | Necessary but insufficient. <i>Nature Medicine</i> , 1995, 1, 874-875. | 30.7 | 21 |
| 25 | Metabolism of Isomeric Synthetic Polypeptides. <i>Nature</i> , 1964, 203, 644-645. | 27.8 | 17 |
| 26 | [38] Immunocytochemistry of retinal membrane protein biosynthesis at the electron microscopic level by the albumin embedding technique. <i>Methods in Enzymology</i> , 1983, 96, 485-495. | 1.0 | 16 |
| 27 | Apoptosis of the mammalian retina and lens. <i>Cell Death and Differentiation</i> , 1997, 4, 21-28. | 11.2 | 13 |
| 28 | Apoptosis in Inherited Retinal Degenerations. , 1994, , 15-29. | | 13 |
| 29 | Identification of three prominin homologs and characterization of their messenger RNA expression in <i>Xenopus laevis</i> tissues. <i>Molecular Vision</i> , 2011, 17, 1381-96. | 1.1 | 13 |
| 30 | OPSIN mRNA ISOLATION FROM BOVINE RETINA AND PARTIAL SEQUENCE OF THE IN VITRO TRANSLATION PRODUCT. <i>Annals of the New York Academy of Sciences</i> , 1980, 343, 347-355. | 3.8 | 11 |
| 31 | Expression of opsin and IRBP genes in mutant RCS rats. <i>Experimental Eye Research</i> , 1992, 54, 545-554. | 2.6 | 7 |
| 32 | Isolation of Post-Golgi Membranes Transporting Newly Synthesized Rhodopsin. <i>Methods in Neurosciences</i> , 1993, 15, 108-120. | 0.5 | 7 |
| 33 | [49] Subcellular fractionation and immunochemical analysis of membrane biosynthesis of photoreceptor proteins. <i>Methods in Enzymology</i> , 1983, 96, 609-617. | 1.0 | 3 |
| 34 | Membrane Protein Assay. <i>Science</i> , 1976, 192, 616-616. | 12.6 | 2 |
| 35 | [19] Two-dimensional immunoelectrophoresis of membrane antigens. <i>Methods in Enzymology</i> , 1983, 96, 244-257. | 1.0 | 1 |