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Induction by cyclic GMP of cationic conductance in plasma membrane of retinal rod outer segment

DOI: 10.1038/313310a0
Nature, 1985, 313, 310-3.

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#	Paper	IF	Citations
1157	Patch-clamp recordings of the light-sensitive dark noise in retinal rods from the lizard and frog. <i>Journal of Physiology</i> , 1985 , 367, 183-216	3.9	130
1156	Interaction of hydrolysis-resistant analogs of cyclic GMP with the phosphodiesterase and light-sensitive channel of retinal rod outer segments. 1985 , 82, 8813-7		248
1155	Calcium binding in pigmented and albino eyes. 1985 , 82, 6716-20		68
1154	Sensory transduction: New visions in photoreception. <i>Nature</i> , 1985 , 313, 264-265	50.4	22
1153	Cyclic GMP can increase rod outer-segment light-sensitive current 10-fold without delay of excitation. <i>Nature</i> , 1985 , 313, 585-7	50.4	82
1152	Welcome whiff of biochemistry. <i>Nature</i> , 1985 , 316, 214-5	50.4	12
1151	Phototransduction changes focus. <i>Nature</i> , 1985 , 317, 14-5	50.4	8
1150	Cyclic GMP-sensitive conductance in outer segment membrane of catfish cones. <i>Nature</i> , 1985 , 317, 61-4	50.4	307
1149	Cyclic GMP increases photocurrent and light sensitivity of retinal cones. <i>Nature</i> , 1985 , 317, 64-6	50.4	94
1148	Light-suppressible, cyclic GMP-sensitive conductance in the plasma membrane of a truncated rod outer segment. <i>Nature</i> , 1985 , 317, 252-5	50.4	267
1147	Ionic permeabilities of the plasma membrane of isolated intact bovine rod outer segments as studied with a novel optical probe. 1985 , 88, 263-75		8
1146	Binding stoichiometry of a fluorescent cGMP analogue to membranes of retinal rod outer segments. 1985 , 153, 49-53		50
1145	Cyclic GMP controls rod phototransduction. 1985 , 2, S127-32		
1144	Second messengers, phosphorylation and neurotransmitter release. 1985 , 8, 463-465		19
1143	Functional role of phosphodiesterase in gecko photoreceptors. 1985 , 2, S119-25		1
1142	Direct action of cGMP on the conductance of retinal rod plasma membrane. 1986 , 856, 661-71		32
1141	Synthesis of polyphosphoinositides in vertebrate photoreceptor membranes. 1986 , 877, 440-6		22

1140	ATP can promote activation and deactivation of the rod cGMP-phosphodiesterase. Kinetic light scattering on intact rod outer segments. 1986 , 208, 241-7	8
1139	Guanylate cyclase in rod outer segments of the toad retina. Effect of light and Ca ²⁺ . 1986 , 203, 73-6	68
1138	Transduction in vertebrate photoreceptors: the roles of cyclic GMP and calcium. 1986 , 9, 224-228	52
1137	The role of antioxidants in the retina and retinal pigment epithelium and the nature of prooxidant-induced damage. 1986 , 2, 1-89	97
1136	Cyclic nucleotide levels of the photosensitive irises of <i>Bufo marinus</i> and <i>Lophius</i> . 1986 , 43, 771-9	4
1135	Cyclic GMP cascade of vision. 1986 , 9, 87-119	1130
1134	Calcium ions act as modulators of intracellular information flow in retinal rod phototransduction. 1986 , 4, S11-34	15
1133	Phosphorylation reactions in bovine rod outer segments studied by ³² P-labelling of intact retina. 1986 , 881, 185-95	3
1132	Molecular genetics of human color vision: the genes encoding blue, green, and red pigments. 1986 , 232, 193-202	1432
1131	Interaction of retinal transducin with guanosine triphosphate analogues: specificity of the gamma-phosphate binding region. 1986 , 25, 6149-53	46
1130	Chemical modification of rhodopsin and its effect on regeneration and G protein activation. 1986 , 25, 6311-9	9
1129	Protein complement of rod outer segments of frog retina. 1986 , 25, 4512-23	207
1128	Guanosine 3',5'-cyclic monophosphate stimulates release of actively accumulated calcium in purified disks from rod outer segments of bovine retina. 1986 , 25, 1739-46	21
1127	The role of cGMP control in visual receptor transduction. 1986 , 4, S35-43	1
1126	Signal transduction through the cytoplasm. 1986 , 11, 154	8
1125	Mechanism of photoreception in vertebrate vision. 1986 , 11, 43-47	31
1124	Interplay between calcium and activated cGMP phosphodiesterase from retinal rod outer segments. 1986 , 883, 63-8	3
1123	Calcium ions act as modulators of intracellular information flow in retinal rod phototransduction. 1986 , 4, S11-S34	4

1122	Phosphoinositide metabolism in photoreceptor cells. 1986 , 9, 235-7	7
1121	The role of cGMP control in visual receptor transduction. 1986 , 4, S35-S43	
1120	Effect of light and calcium on cyclic GMP synthesis in rod outer segments of toad retina. 1986 , 889, 271-6	20
1119	The effects of hepes, bicarbonate and calcium on the cGMP content of vertebrate rod photoreceptors and the isolated electrophysiological effects of cGMP and calcium. 1986 , 26, 521-33	27
1118	Visual transduction in vertebrate rods and cones: a tale of two transmitters, calcium and cyclic GMP. 1986 , 26, 1613-43	155
1117	Molecular biology of the visual pigments. 1986 , 26, 1881-95	348
1116	Biochemistry of vision--a perspective. 1986 , 26, 1317-37	1
1115	The potassium current activated by 2-nicotinamidoethyl nitrate (nicorandil) in single ventricular cells of guinea pigs. 1986 , 229, 331-43	27
1114	Coupling between transmembrane calcium transport and membrane potential in retinal rod discs. 1986 , 228, 97-108	1
1113	CYCLIC NUCLEOTIDES IN RETINAL FUNCTION AND DEGENERATION. 1986 , 239-296	6
1112	C-terminal peptides of rhodopsin. Determination of the optimum sequence for recognition of retinal transducin. 1986 , 235, 309-12	35
1111	The opsin family of proteins. 1986 , 238, 625-42	244
1110	THE SHARPEY-SCHAFFER LECTURE ION CHANNELS AND SIGNAL PROCESSING IN THE OUTER RETINA. 1986 , 71, 496-536	34
1109	Deprotonation of the Schiff base of rhodopsin is obligate in the activation of the G protein. 1986 , 83, 4209-13	106
1108	Plasma membrane calcium fluxes in intact rods are inconsistent with the "calcium hypothesis". 1986 , 83, 1150-4	28
1107	High content of creatine kinase in chicken retina: compartmentalized localization of creatine kinase isoenzymes in photoreceptor cells. 1986 , 83, 3816-9	78
1106	Role of calcium in regulating the cyclic GMP cascade of phototransduction in retinal rods. 1986 , 83, 7109-13	131
1105	Control of the light-regulated current in rod photoreceptors by cyclic GMP, calcium, and l-cis-diltiazem. 1986 , 83, 1163-7	168

1104	Electrical properties of the light-sensitive conductance of rods of the salamander <i>Ambystoma tigrinum</i> . <i>Journal of Physiology</i> , 1986 , 371, 115-45	3.9	125
1103	The effects of phosphodiesterase inhibitors and lanthanum ions on the light-sensitive current of toad retinal rods. <i>Journal of Physiology</i> , 1986 , 370, 91-109	3.9	43
1102	Proceedings of the Physiological Society, 12-14 September 1985, Cambridge Meeting: Communications. <i>Journal of Physiology</i> , 1986 , 371, 29-88	3.9	
1101	Ionic channels: II. Voltage- and agonist-gated and agonist-modified channel properties and structure. 1986 , 9, 767-86		26
1100	Single cyclic GMP-activated channel activity in excised patches of rod outer segment membrane. <i>Nature</i> , 1986 , 321, 66-70	50.4	318
1099	Cyclic GMP-sensitive conductance of retinal rods consists of aqueous pores. <i>Nature</i> , 1986 , 321, 70-2	50.4	373
1098	Measurement of the intracellular free calcium concentration in salamander rods. <i>Nature</i> , 1986 , 322, 261-3	50.4	173
1097	Opposite effects of cyclic GMP and cyclic AMP on Ca ²⁺ current in single heart cells. <i>Nature</i> , 1986 , 323, 273-5	50.4	301
1096	cGMP-dependent protein kinase enhances Ca ²⁺ current and potentiates the serotonin-induced Ca ²⁺ current increase in snail neurones. <i>Nature</i> , 1986 , 323, 812-4	50.4	141
1095	Cyclic GMP is involved in the excitation of invertebrate photoreceptors. <i>Nature</i> , 1986 , 324, 468-70	50.4	132
1094	Cyclic AMP-dependent protein phosphorylation in chemosensory neurons: identification of cyclic nucleotide-regulated phosphoproteins in olfactory cilia. 1986 , 47, 1527-33		30
1093	Recent progress in vertebrate photoreception. 1986 , 44, 809-17		13
1092	A functional link between the dark Mg-ATPase activity and the light-induced enzymatic cascade in rod outer segments. 1986 , 157, 487-95		8
1091	Purification and properties of guanylate kinase from bovine retinas and rod outer segments. 1986 , 161, 551-6		51
1090	Characterization of the light-induced increase in the Michaelis constant of the cGMP phosphodiesterase in frog rod outer segments. 1986 , 870, 256-66		15
1089	Calcium-dependent sodium currents in <i>Paramecium</i> : Mutational manipulations and effects of hyper- and depolarization. 1986 , 92, 227-236		45
1088	Incorporation of calcium buffers into salamander retinal rods: a rejection of the calcium hypothesis of phototransduction. <i>Journal of Physiology</i> , 1986 , 372, 315-49	3.9	115
1087	Identification of specific transducin alpha subunits in retinal rod and cone photoreceptors. 1986 , 234, 77-80		248

1086	In situ cGMP phosphodiesterase and photoreceptor potential in gecko retina. 1986 , 87, 737-59		25
1085	Transduction persists in rod photoreceptors after depletion of intracellular calcium. 1987 , 89, 297-319		115
1084	Na ⁺ and cGMP-induced Ca ²⁺ fluxes in frog rod photoreceptors. 1987 , 89, 481-500		33
1083	Divalent cations directly affect the conductance of excised patches of rod photoreceptor membrane. 1987 , 236, 1674-8		34
1082	Structure, function, and assembly of membrane proteins. 1987 , 235, 959-61		3
1081	The nature and identity of the internal excitational transmitter of vertebrate phototransduction. 1987 , 49, 715-41		34
1080	The molecular mechanism of visual excitation and its relation to the structure and composition of the rod outer segment. 1987 , 49, 765-91		294
1079	Ionic conductances in rod photoreceptors. 1987 , 49, 743-64		35
1078	A derivative of amiloride blocks both the light-regulated and cyclic GMP-regulated conductances in rod photoreceptors. 1987 , 90, 651-69		52
1077	Kinetics of light-dependent Ca fluxes across the plasma membrane of rod outer segments. A dynamic model of the regulation of the cytoplasmic Ca concentration. 1987 , 90, 397-425		52
1076	Effects of cyclic GMP on the kinetics of the photocurrent in rods and in detached rod outer segments. 1987 , 90, 527-51		29
1075	Cyclic guanosine 3',5'-monophosphate regulates the calcium current in single cells from frog ventricle. <i>Journal of Physiology</i> , 1987 , 387, 453-72	3.9	160
1074	Properties of ion channels closed by light and opened by guanosine 3',5'-cyclic monophosphate in toad retinal rods. <i>Journal of Physiology</i> , 1987 , 389, 691-715	3.9	62
1073	Kinetics and components of the flash photocurrent of isolated retinal rods of the larval salamander, <i>Ambystoma tigrinum</i> . <i>Journal of Physiology</i> , 1987 , 394, 529-72	3.9	84
1072	Calcium in dark-adapted toad rods: evidence for pooling and cyclic-guanosine-3'-5'-monophosphate-dependent release. <i>Journal of Physiology</i> , 1987 , 389, 361-84	3.9	18
1071	The effect of ions on sodium-calcium exchange in salamander rods. <i>Journal of Physiology</i> , 1987 , 391, 371-98	3.9	50
1070	Ionic regulation of adenylate cyclase from the cilia of <i>Paramecium tetraurelia</i> . 1987 , 246, 187-92		17
1069	Differences in the protein composition of bovine retinal rod outer segment disk and plasma membranes isolated by a ricin-gold-dextran density perturbation method. 1987 , 105, 2589-601		223

1068	Incorporation of a retinal rod cGMP-dependent conductance into planar bilayers. 1987 , 84, 724-8	17
1067	Cyclic AMP regulates the proportion of functional acetylcholine receptors on chicken ciliary ganglion neurons. 1987 , 84, 8155-9	90
1066	Single-channel recordings demonstrate that cGMP opens the light-sensitive ion channel of the rod photoreceptor. 1987 , 84, 299-302	62
1065	Intracellular biochemical manipulation of phototransduction in detached rod outer segments. 1987 , 84, 9290-4	152
1064	Identification, purification, and functional reconstitution of the cyclic GMP-dependent channel from rod photoreceptors. 1987 , 84, 585-9	264
1063	Cyclic nucleotide-gated conductances: a new class of ion channels mediates visual and olfactory transduction. 1987 , 8, 312-316	41
1062	Visual receptor transduction. 1987 , 494, 65-74	1
1061	Sources of noise in photoreceptor transduction. 1987 , 4, 2295-300	22
1060	Time-dependent cGMP-activated conductance of detached patches of ROS plasma membrane. 1987 , 222, 37-41	3
1059	Detection of Ca ²⁺ -dependent cyclic GMP binding protein in frog rod outer segments. 1987 , 219, 293-5	6
1058	Modulation of retinal transducin and phosphodiesterase activities by synthetic peptides of the phosphodiesterase gamma-subunit. 1987 , 222, 266-70	25
1057	Binding and activation of rod outer segment phosphodiesterase and guanosine triphosphate binding protein by disc membranes: influence of reassociation method and divalent cations. 1987 , 898, 81-9	12
1056	Depolarization induced by injection of cyclic nucleotides into frog taste cell. 1987 , 904, 187-90	12
1055	Activation of anion channels by zymosan particles in membranes of peritoneal macrophages. 1987 , 899, 239-46	28
1054	Glycoproteins specific for the retinal rod outer segment plasma membrane. 1987 , 897, 335-40	25
1053	Retinal rod GTPase turnover rate increases with concentration: a key to the control of visual excitation?. 1987 , 146, 379-86	146
1052	Light induces a rapid and transient increase in inositol-trisphosphate in toad rod outer segments. 1987 , 146, 1392-6	35
1051	Transmembrane receptor cross-talk: concurrent VIP and alpha 1-adrenergic activation rapidly elevates pinealocyte cGMP greater than 100-fold. 1987 , 146, 1478-84	31

1050	Nucleotides such as ATP may control the activity of ion channels. 1987 , 10, 335-339	62
1049	mRNAs coding for proteins of the cGMP cascade in the degenerative retina of the rd mouse. 1987 , 45, 467-80	20
1048	Direct effects of divalent cations and cyclic GMP on excised patches of rod outer segment membrane. 1987 , 6, S67-74	
1047	Study of the roles of calcium and cyclic GMP in visual transduction. 1987 , 6, S45-53	2
1046	Transducin: Structure, function and role in phototransduction. 1987 , 6, 151-177	20
1045	Gating of light-sensitive ion channels by cyclic GMP in rod photoreceptors. 1987 , 6, S55-65	
1044	Ionic selectivity, blockage and control of light-sensitive channels. 1987 , 6, S25-44	7
1043	Calmodulin and calmodulin binding proteins in amphibian rod outer segments. 1987 , 26, 1659-65	29
1042	Identification of frog photoreceptor plasma and disk membrane proteins by radioiodination. 1987 , 26, 1769-76	8
1041	Biosynthesis of 11-cis-retinoids and retinyl esters by bovine pigment epithelium membranes. 1987 , 26, 7938-45	48
1040	Chemical modification of bovine transducin: effect of fluorescein 5'-isothiocyanate labeling on activities of the transducin alpha subunit. 1987 , 26, 1633-9	28
1039	Detection of cyclic GMP binding protein and ion channel activity in frog rod outer segments. 1987 , 102, 281-90	112
1038	Reconstitution of channel proteins from excitable cells in planar lipid bilayer membranes. 1987 , 98, 101-15	28
1037	Cyclic nucleotides and retinal cones. 1987 , 12, 501-5	2
1036	Compartmentalization of cyclic AMP elevation in neurons of <i>Aplysia californica</i> . 1987 , 7, 19-33	16
1035	Direct ion channel gating: a new function for intracellular messengers. 1987 , 7, 229-36	28
1034	Dissociation of acetylcholine- and cyclic GMP-induced currents in <i>Xenopus</i> oocytes. 1987 , 409, 521-7	9
1033	Signal-Aufnahme und Signal-Umsetzung der Zellen. 1987 , 21, 186-193	2

1032	The corneal ERG of the heterozygous retinal degeneration mouse. 1987 , 225, 413-7		14
1031	Another cyclic-nucleotide-gated conductance. <i>Nature</i> , 1987 , 325, 389	50.4	0
1030	A cyclic nucleotide-gated conductance in olfactory receptor cilia. <i>Nature</i> , 1987 , 325, 442-4	50.4	1026
1029	Neurosensory signalling. Biochemical puzzles about the cyclic-GMP-dependent channel. <i>Nature</i> , 1987 , 326, 546-7	50.4	8
1028	cGMP-dependent cation channel of retinal rod outer segments. <i>Nature</i> , 1987 , 326, 600-3	50.4	86
1027	Cellular origins of cyclic GMP responses to excitatory amino acid receptor agonists in rat cerebellum in vitro. 1987 , 48, 29-39		226
1026	Lateral interactions between vertebrate photoreceptors. 1987 , 45, 305-14		2
1025	PHOTORECEPTION AND PHOTOTRANSDUCTION IN INVERTEBRATE PHOTORECEPTORS. 1987 , 45, 915-931		65
1024	Developing rod photoreceptors from normal and mutant Rd mouse retinas: altered fatty acid composition early in development of the mutant. 1988 , 20, 202-11		30
1023	Electron microscopic cytochemical localization of Ca-ATPase in the rod outer segments of the toad <i>Bufo marinus</i> . 1988 , 221, 761-8		8
1022	Role of inositol trisphosphate as a second messenger in signal transduction processes: an essay. 1988 , 13, 177-91		36
1021	The blocking effect of l-cis-diltiazem on the light-sensitive current of isolated rods of the tiger salamander. 1988 , 16, 65-71		12
1020	Transduction in taste receptor cells requires cAMP-dependent protein kinase. <i>Nature</i> , 1988 , 331, 351-4	50.4	189
1019	Cyclic nucleotides may mediate taste transduction. <i>Nature</i> , 1988 , 331, 354-6	50.4	158
1018	Phototransduction. A role for calcium in adaptation. <i>Nature</i> , 1988 , 334, 16-7	50.4	49
1017	Kinetics of the hydrolysis of 8-bromo-cyclic GMP by the light-activated phosphodiesterase of toad rods. 1988 , 50, 839-46		17
1016	Properties and content of cyclic nucleotide phosphodiesterase in photoreceptor outer segments of ground squirrel retina. 1988 , 954, 325-35		14
1015	Chromium(III) beta, gamma-bidentate guanine nucleotide complexes as probes of the GTP-activated cGMP cascade of retinal rod outer segments. 1988 , 27, 8209-18		10

1014	Effects of cyclic nucleotides and calcium on transduction and encoding processes in frog muscle spindle. 1988 , 443, 254-60	4
1013	The primary structure of the 70 kDa subunit of bovine soluble guanylate cyclase. 1988 , 239, 29-34	121
1012	Block of light responses of salamander rods by pertussis toxin and reversal by nicotinamide. 1988 , 229, 131-4	7
1011	The sequence of human retinal S-antigen reveals similarities with alpha-transducin. 1988 , 234, 39-43	80
1010	Sub-second turnover of transducin GTPase in bovine rod outer segments. A light scattering study. 1988 , 234, 44-8	68
1009	Hindered diffusion in excised membrane patches from retinal rod outer segments. 1988 , 54, 351-5	63
1008	Polyphosphoinositide hydrolysis in response to light stimulation of rat and chick retina and retinal rod outer segments. 1988 , 970, 205-11	55
1007	Alpha-atrial natriuretic peptide binding sites in the rat choroid plexus are increased in the presence of hydrocephalus. 1988 , 87, 93-8	25
1006	Nucleotide binding to the rod outer segment rim protein. 1988 , 46, 647-55	8
1005	Molecular cloning of a cDNA coding for 70 kilodalton subunit of soluble guanylate cyclase from rat lung. 1988 , 157, 1139-47	128
1004	Paramecium: a model system for the study of excitable cells. 1988 , 11, 27-32	48
1003	Modulation of ion channels in neurons and other cells. 1988 , 11, 119-36	166
1002	Cyclic GMP depresses hippocampal Ca ²⁺ current through a mechanism independent of cGMP-dependent protein kinase. 1988 , 1, 693-9	82
1001	Ion channels in Paramecium, yeast and Escherichia coli. 1988 , 13, 304-9	42
1000	Structural analysis of mouse S-antigen. 1988 , 73, 11-20	36
999	The use of the patch clamp technique to study second messenger-mediated cellular events. 1988 , 26, 727-34	61
998	Current noise induced by photostimulation in Paramecium bursaria. 1988 , 86, 121-127	
997	Light-induced losses and dark recovery rates of guanosine 3',5'-cyclic monophosphate in rod outer segments of intact amphibian photoreceptors. 1988 , 92, 731-46	15

996	The ionic selectivity of the light-sensitive current in isolated rods of the tiger salamander. <i>Journal of Physiology</i> , 1988 , 402, 279-300	3.9	31
995	Cone cell-specific genes expressed in retinoblastoma. 1988 , 240, 76-8		75
994	Platelet cGMP-binding phosphodiesterase. 1988 , 159, 710-22		13
993	Isolation of single taste cells from lingual epithelium. 1988 , 13, 355-366		24
992	cGMP-dependent channel protein from photoreceptor membranes: single-channel activity of the purified and reconstituted protein. 1988 , 85, 94-8		58
991	Opsin exhibits cGMP-activated single-channel activity. 1988 , 85, 9806-10		108
990	Novel type of monoclonal antibodies against cyclic GMP and application to immunocytochemistry of the rat brain. 1988 , 48, 47-56		44
989	Guanosine 3',5'-cyclic monophosphate-activated conductance studied in a truncated rod outer segment of the toad. <i>Journal of Physiology</i> , 1988 , 395, 731-53	3.9	105
988	Control of light-sensitive current in salamander rods. <i>Journal of Physiology</i> , 1988 , 403, 439-71	3.9	175
987	Incorporation of analogues of GTP and GDP into rod photoreceptors isolated from the tiger salamander. <i>Journal of Physiology</i> , 1988 , 407, 463-87	3.9	25
986	Metabolic flux of cyclic GMP and phototransduction in rabbit retina. <i>Journal of Physiology</i> , 1988 , 406, 163-79	3.9	13
985	Activation of single ion channels from toad retinal rod inner segments by cyclic GMP: concentration dependence. <i>Journal of Physiology</i> , 1988 , 403, 389-405	3.9	55
984	The modulation of the ionic selectivity of the light-sensitive current in isolated rods of the tiger salamander. <i>Journal of Physiology</i> , 1988 , 406, 181-98	3.9	28
983	Calcium and magnesium fluxes across the plasma membrane of the toad rod outer segment. <i>Journal of Physiology</i> , 1988 , 395, 695-729	3.9	137
982	Evidence for two functionally different membrane fractions in bovine retinal rod outer segments. <i>Journal of Physiology</i> , 1988 , 401, 309-27	3.9	37
981	The atrial natriuretic factor: its physiology and biochemistry. 1988 , 110, 1-145		80
980	Guanosine 5'-monophosphate modulates gating of high-conductance Ca ²⁺ -activated K ⁺ channels in vascular smooth muscle cells. 1988 , 85, 9360-4		115
979	Gating kinetics of the cyclic-GMP-activated channel of retinal rods: flash photolysis and voltage-jump studies. 1988 , 85, 1287-91		160

978	Rod light adaptation may be mediated by acceleration of the phosphodiesterase-guanylate cyclase cycle. 1988 , 85, 1322-6		22
977	Cyclic nucleotide-dependent protein kinase inhibition by H-8: effects on ion transport. 1988 , 254, C115-21		34
976	Characterization of cAMP-induced activation of epithelial sodium channels. 1988 , 254, C802-8		30
975	The ocs-element is a component of the promoters of several T-DNA and plant viral genes.. <i>EMBO Journal</i> , 1989 , 8, 4197-4204	13	95
974	Low pO ₂ selectively inhibits K channel activity in chemoreceptor cells of the mammalian carotid body. 1989 , 93, 1001-15		177
973	Visualization of cyclic nucleotide binding sites in the vertebrate retina by fluorescence microscopy. 1989 , 108, 1517-22		28
972	Regulation of cGMP levels by guanylate cyclase in truncated frog rod outer segments. 1989 , 94, 649-68		49
971	Physiological role of cGMP and cGMP-dependent protein kinase in the cardiovascular system. 1989 , 113, 41-88		151
970	Activation by odorants of cation-selective conductance in the olfactory receptor cell isolated from the newt. <i>Journal of Physiology</i> , 1989 , 419, 177-92	3.9	134
969	Atrial natriuretic peptide inhibits a cation channel in renal inner medullary collecting duct cells. 1989 , 243, 383-5		211
968	Visual transduction in vertebrate photoreceptors. Light activation of guanylate cyclase. 1989 , 14, 129-37		6
967	Calcium channel activation and inactivation in <i>Paramecium</i> biochemically measured by cyclic GMP production. 1989 , 109, 259-267		9
966	Silver ions induce a rapid Ca ²⁺ release from isolated intact bovine rod outer segments by a cooperative mechanism. 1989 , 108, 91-102		8
965	Dark-adaptation mechanisms of the long-wave foveal cones. 1989 , 30, 207-19		3
964	Molecular mechanism of visual transduction. 1989 , 179, 255-66		282
963	The cyclic GMP-induced inward current in neuron R14 of <i>Aplysia californica</i> : similarity to a FMRFamide-induced inward current. 1989 , 20, 10-24		18
962	Membrane photobiophysics and photochemistry. 1989 , 30, 1-199		25
961	Capsaicin-induced ion fluxes increase cyclic GMP but not cyclic AMP levels in rat sensory neurones in culture. 1989 , 53, 1203-11		55

960	Primary structure and functional expression from complementary DNA of the rod photoreceptor cyclic GMP-gated channel. <i>Nature</i> , 1989 , 342, 762-6	50.4	681
959	Control of cGMP concentration by calcium ions in frog rods. 1989 , 10, S15-22		3
958	Control of intracellular calcium in vertebrate photoreceptors. 1989 , 10, S23-35		2
957	Studies on the mechanism of cell elongation in <i>Blepharisma japonicum</i> I. A physiological mechanism how light stimulation evokes cell elongation. 1989 , 25, 182-6		9
956	A model for open-close control of cation channels in the plasma membrane of retinal rod outer segments. 1989 , 6, 377-96		1
955	The Physiology of ION Channels and Electrogenic Pumps in Higher Plants. 1989 , 40, 539-569		267
954	Calcium regulates cAMP-induced potassium ion efflux in <i>Dictyostelium discoideum</i> . 1989 , 1012, 196-200		13
953	G protein-effector coupling: interactions of recombinant inhibitory gamma subunit with transducin and phosphodiesterase. 1989 , 28, 6145-50		12
952	Chemical modification of bovine transducin: probing the GTP-binding site with affinity analogues. 1989 , 28, 7424-32		19
951	The effect of ATP, GTP and cAMP on the cGMP-dependent conductance of the fragments from frog rod plasma membrane. 1989 , 245, 185-8		11
950	Regulation of cGMP-dependent conductance in cytoplasmic membrane of rod outer segments by transducin. 1989 , 247, 435-7		10
949	Effect of ammonium chloride on the astrocyte benzodiazepine receptor. 1989 , 493, 362-5		39
948	Non-identity of cGMP as the guanine nucleotide stimulated to bind to ROS by light and ATP. 1989 , 49, 75-85		1
947	Cyclic GMP-activated conductance of retinal photoreceptor cells. 1989 , 12, 289-327		612
946	Cyclic GMP analogs inhibit gamma thrombin-induced arachidonic acid release in human platelets. 1989 , 165, 708-14		33
945	Dose-response relation of cyclic GMP-activated channels in the retinal rod photoreceptor. 1989 , 10, S1-7		2
944	Biochemical mechanisms of atrial natriuretic factor action. 1989 , 67, 1124-9		7
943	Sodium-dependent calcium extrusion and sensitivity regulation in retinal cones of the salamander. <i>Journal of Physiology</i> , 1989 , 409, 525-48	3.9	63

942	Transduction heats in retinal rods: tests of the role of cGMP by pyroelectric calorimetry. 1989 , 86, 1224-8		23
941	Rhodopsin-G-protein interactions monitored by resonance energy transfer. 1989 , 28, 1711-8		16
940	Kinetics of phototransduction in retinal rods of the newt <i>Triturus cristatus</i> . <i>Journal of Physiology</i> , 1989 , 419, 265-95	3.9	114
939	Direct activation of cGMP-dependent channels of retinal rods by the cGMP phosphodiesterase. 1989 , 86, 3634-8		11
938	cAMP and forskolin decrease gamma-aminobutyric acid-gated chloride flux in rat brain synaptoneurosome. 1989 , 86, 2938-42		82
937	Comparison of the phosphodiesterase inhibitory subunit interactions of frog and bovine rod outer segments. 1989 , 259, 13-9		55
936	Ionenkanal der Photorezeptor-Stäbchenzelle kloniert. 1990 , 38, 245-246		
935	Single-channel measurement from the cyclic GMP-activated conductance of catfish retinal cones. <i>Journal of Physiology</i> , 1990 , 429, 451-81	3.9	61
934	The response induced by intracellular cyclic AMP in isolated olfactory receptor cells of the newt. <i>Journal of Physiology</i> , 1990 , 430, 355-71	3.9	107
933	The magnitude, time course and spatial distribution of current induced in salamander rods by cyclic guanine nucleotides. <i>Journal of Physiology</i> , 1990 , 430, 419-39	3.9	25
932	Currents carried by monovalent cations through cyclic GMP-activated channels in excised patches from salamander rods. <i>Journal of Physiology</i> , 1990 , 424, 167-85	3.9	59
931	Light adaptation in cone photoreceptors of the salamander: a role for cytoplasmic calcium. <i>Journal of Physiology</i> , 1990 , 420, 447-69	3.9	94
930	The effect of the gamma-subunit of the cyclic GMP phosphodiesterase of bovine and frog (<i>Rana catesbiana</i>) retinal rod outer segments on the kinetic parameters of the enzyme. 1990 , 265, 655-8		32
929	Binding of the gamma-subunit of retinal rod-outer-segment phosphodiesterase with both transducin and the catalytic subunits of phosphodiesterase. 1990 , 271, 721-7		21
928	Rat intestinal cell atrial natriuretic peptide receptor coupled to guanylate cyclase. 1990 , 99, 125-31		15
927	Immunocytochemistry of cGMP in the Cerebellum of the Immature, Adult, and Aged Rat: the Involvement of Nitric Oxide. A Micropharmacological Study. 1990 , 2, 845-862		146
926	Effects of different types of stimulation on cyclic AMP content in the rabbit carotid body: functional significance. 1990 , 55, 1287-93		57
925	Dual ion-channel regulation by cyclic GMP and cyclic GMP-dependent protein kinase. <i>Nature</i> , 1990 , 344, 336-9	50.4	257

924	Rapid kinetics of second messenger formation in olfactory transduction. <i>Nature</i> , 1990 , 345, 65-8	50.4	403
923	Purification of soluble guanylyl cyclase from bovine lung by a new immunoaffinity chromatographic method. 1990 , 190, 273-8		147
922	Visual transduction in rod outer segments. 1990 , 2, 99-104		21
921	Enzyme treatment of photoreceptors: effects on the scotopic PIII component of the frog electroretinogram. 1990 , 417, 231-3		
920	Dual regulation of M current in gastric smooth muscle cells: beta-adrenergic-muscarinic antagonism. 1990 , 417, 291-302		14
919	Die Chemie des Vitamins A und des Sehvorgangs. 1990 , 102, 507-526		6
918	Phospholipases in biology and medicine. 1990 , 23, 349-70		64
917	Phototransduction: different mechanisms in vertebrates and invertebrates. 1990 , 7, 107-48		48
916	The retinal rod as a chemical photomultiplier. 1990 , 1, 104-111		1
915	Basolateral K conductance: role in regulation of NaCl absorption and secretion. 1990 , 259, C181-95		79
914	Recovery from bleaching in photoreceptors promoted by biotin, pyruvate, and glucose. 1990 , 4, 489-92		2
913	Cyclic GMP-activated channels of rod photoreceptors show neither fast nor slow desensitization. 1990 , 4, 481-7		4
912	Cation selectivity of and cation binding to the cGMP-dependent channel in bovine rod outer segment membranes. 1990 , 96, 517-34		65
911	Regulation by light of cyclic nucleotide-dependent protein kinases and their substrates in frog rod outer segments. 1990 , 95, 545-67		121
910	Effect of intracellularly applied sodium ions on the dark voltage of isolated retinal rods. 1990 , 4, 331-6		5
909	Fluctuation analysis of amiloride-blockable currents in membrane patches excised from salt-taste receptor cells. 1990 , 1, 383-91		11
908	Wavelength-dependent temporal properties of retinal horizontal cells in turtles. 1990 , 4, 427-35		2
907	Regulation of Cl ⁻ transport in T84 cell clones expressing a mutant regulatory subunit of cAMP-dependent protein kinase. 1990 , 87, 8975-9		33

906	Excised patches of plasma membrane from vertebrate rod outer segments retain a functional phototransduction enzymatic cascade. 1990 , 87, 4226-30	24
905	Monovalent selectivity of the cyclic guanosine monophosphate-activated ion channel. 1990 , 96, 57-82	145
904	Subunit stoichiometry of retinal rod cGMP phosphodiesterase. 1990 , 29, 2657-64	192
903	Activation mechanism of retinal rod cyclic GMP phosphodiesterase probed by fluorescein-labeled inhibitory subunit. 1990 , 29, 2155-61	80
902	Rhodopsin-detergent micelles aggregate upon activation of cyclic guanosine monophosphate phosphodiesterase. 1990 , 29, 2652-7	2
901	Identification of the sodium-calcium exchanger as the major ricin-binding glycoprotein of bovine rod outer segments and its localization to the plasma membrane. 1990 , 29, 1601-7	67
900	Regulation of cGMP metabolism in frog rods. 1990 , 12, S175-81	
899	Taste transduction mechanisms. 1990 , 12, S63-72	4
898	Workings of the cGMP-activated channel of retinal rods. 1990 , 12, S165-74	1
897	The cGMP-gated channel of the rod photoreceptor--a new type of channel structure?. 1990 , 15, 39-40	1
896	Patch cramming: monitoring intracellular messengers in intact cells with membrane patches containing detector ion channels. 1990 , 4, 335-41	55
895	Studies on the mechanism of olfactory transduction in vertebrates. 1990 , 12, S127-34	4
894	Chemical model of reaction cascades induced by activated enzymes or catalysts. Two-step cascades in visual transduction. 1990 , 57, 163-7	9
893	Cyclic GMP and calcium: the internal messengers of excitation and adaptation in vertebrate photoreceptors. 1990 , 30, 1923-48	302
892	Excitatory amino acid receptors, second messengers and regulation of intracellular Ca ²⁺ in mammalian neurons. 1990 , 11, 254-60	303
891	Cyclic GMP-activated protein kinase from Dictyostelium discoideum. 1990 , 1053, 179-84	26
890	Two distinct light regulated G-proteins in octopus photoreceptors. 1990 , 1052, 204-10	17
889	Guanylate cyclase in olfactory cilia from rat and pig. 1990 , 1054, 69-72	9

- 888 Calcium inhibition of ATP-dependent inactivation of rod disk phosphodiesterase in isolated rods and membrane suspensions. **1990**, 12, S183-90
- 887 Sulfhydryl binding reagents increase the conductivity of the light-sensitive channel and inhibit phototransduction in retinal rods. **1990**, 51, 97-105 12
- 886 Effects of cyclic GMP on the sugar taste receptor cell of the fly *Phormia regina*. **1990**, 36, 281-286 34
- 885 The benzodiazepine receptor in cultured astrocytes from genetically epilepsy-prone rats. **1990**, 531, 318-21 63
- 884 Muscarinic actions in hippocampus are probably not mediated by cyclic GMP. **1990**, 525, 294-9 4
- 883 Effect of phenol and sodium octanoate on the astrocyte benzodiazepine receptor. **1990**, 514, 349-51 6
- 882 Inactivation of cGMP-dependent conductance of rod outer segment plasma membrane induced by cGMP. **1990**, 260, 149-51 6
- 881 Primary structure of cAMP-gated channel from bovine olfactory epithelium. **1990**, 270, 24-9 228
- 880 Cyclic nucleotide-activated channels in the frog olfactory receptor plasma membrane. **1990**, 266, 96-8 47
- 879 The primary structure of the larger subunit of soluble guanylyl cyclase from bovine lung. Homology between the two subunits of the enzyme. **1990**, 266, 128-32 95
- 878 A specific beta gamma-subunit of transducin stimulates ADP-ribosylation of the alpha-subunit by pertussis toxin. **1990**, 167, 1235-41 37
- 877 Developmental and tissue-specific expression of the rod photoreceptor cGMP-gated ion channel gene. **1990**, 173, 463-70 92
- 876 Calcium and the mechanism of light adaptation in vertebrate photoreceptors. **1990**, 13, 378-84 108
- 875 Watching G proteins at work. **1990**, 13, 64-70 62
- 874 Synthesis of nitric oxide in the bovine retina. **1991**, 180, 920-5 91
- 873 Retinal cyclic-GMP phosphodiesterase gamma-subunit: use of mutant synthetic peptides to define function. **1991**, 181, 306-9 2
- 872 Glutamate, nitric oxide and cell-cell signalling in the nervous system. **1991**, 14, 60-7 2119
- 871 The cyclic nucleotide-gated channels of vertebrate photoreceptors and olfactory epithelium. **1991**, 14, 150-7 190

870	Protecting man from UV exposure. 1991 , 337, 1258-1259	13
869	Comparative effects of some nitric oxide donors on cyclic GMP levels in rat cerebellar slices. 1991 , 130, 107-11	239
868	Recoverin. 1991 , 337, 1257-1258	1
867	Molecular mechanisms of ANP inhibition of renal sodium transport. 1991 , 69, 1546-52	16
866	Antiidiotypic antibodies interacting with cGMP-dependent channels of frog retinal rod outer segments. 1991 , 11, 757-72	
865	Cyclic GMP-activated channel activity in renal epithelial cells (A6). 1991 , 1070, 152-6	17
864	Antiidiotypic antibodies against anti-cGMP polyclonal antibodies. 1991 , 1064, 293-6	
863	Expression of soluble guanylate cyclase activity requires both enzyme subunits. 1991 , 174, 351-7	152
862	Calcium release from rod outer segments: evidence for a cGMP-sensitive calcium binding protein. 1991 , 176, 70-8	1
861	Retinal cyclic-GMP phosphodiesterase gamma-subunit: identification of functional residues in the inhibitory region. 1991 , 181, 1094-6	6
860	Evidence for ATP-ase activity of arrestin from bovine photoreceptors. 1991 , 282, 431-5	7
859	A cyclic-AMP-gated conductance in cochlear hair cells. 1991 , 290, 167-70	29
858	Cyclic AMP modulates sensory-neural communication at the vestibular end organ. 1991 , 565, 78-84	12
857	Sensory transduction: entering the mainstream of membrane signaling. 1991 , 67, 845-51	68
856	Foreword [A late entry into visual physiology. 1991 , 10, xiii-xvii	
855	Chapter 7 New insights into the visual cycle. 1991 , 10, 161-178	23
854	Ion channels that are directly activated by cyclic nucleotides. 1991 , 12, 245-7	22
853	Biochemical and molecular characterization of the sodium-calcium exchanger from bovine rod photoreceptors. 1991 , 639, 234-44	11

852	Sodium-calcium exchange and phototransduction in retinal photoreceptors. 1991 , 639, 275-84		2
851	Sodium-calcium exchange in invertebrate photoreceptors. 1991 , 639, 285-99		8
850	Activation of the sensory current in salamander olfactory receptor neurons depends on a G protein-mediated cAMP second messenger system. 1991 , 6, 825-35		155
849	Molecular mechanism of GTP hydrolysis by bovine transducin: pre-steady-state kinetic analyses. 1991 , 30, 8996-9007		141
848	The light response of photoreceptors. 1991 , 65-73		
847	Light-dependent channels from excised patches of Limulus ventral photoreceptors are opened by cGMP. 1991 , 88, 7938-42		68
846	A cyclic AMP-activated K ⁺ channel in Drosophila larval muscle is persistently activated in dunce. 1991 , 88, 557-60		59
845	The identification of an active enzyme site by rapid freeze substitution enzyme histochemistry on rat retina.. 1991 , 24, 121-132		3
844	Blockage and permeation of divalent cations through the cyclic GMP-activated channel from tiger salamander retinal rods. <i>Journal of Physiology</i> , 1991 , 440, 189-206	3.9	78
843	Potentialiation by cyclic GMP of beta-adrenergic effect on Ca ²⁺ current in guinea-pig ventricular cells. <i>Journal of Physiology</i> , 1991 , 443, 387-404	3.9	130
842	Recoverin: a calcium sensitive activator of retinal rod guanylate cyclase. 1991 , 251, 915-8		589
841	Structure and function of gamma-subunit of photoreceptor G-protein (transducin). 1991 , 100, 433-8		2
840	Calcium-dependent regulation of cyclic GMP phosphodiesterase by a protein from frog retinal rods. <i>Nature</i> , 1991 , 349, 420-3	50.4	293
839	Direct activation of cardiac pacemaker channels by intracellular cyclic AMP. <i>Nature</i> , 1991 , 351, 145-7	50.4	655
838	Phosphodiesterase of cone photoreceptors from the lizard, Anolis carolinensis. 1991 , 56, 1949-56		7
837	K(+)-evoked depolarization stimulates cyclic AMP accumulation in photoreceptor-enriched retinal cell cultures: role of calcium influx through dihydropyridine-sensitive calcium channels. 1991 , 57, 615-21		28
836	Putative substrates for cyclic nucleotide-dependent protein kinases and the control of airway smooth muscle tone. 1991 , 11, 365-98		57
835	The Identification and Localization of the Guanine Nucleotide Binding Protein G0 in the Auditory System. 1991 , 3, 1338-1342		17

834	Characterization and Regional Distribution of a Class of Synapses with Highly Concentrated cAMP Binding Sites in the Rat Brain. 1991 , 3, 669-687	12
833	Differential expression and localization of brain-type and mitochondrial creatine kinase isoenzymes during development of the chicken retina: Mi-CK as a marker for differentiation of photoreceptor cells. 1991 , 46, 77-87	46
832	Iodopsin, a red-sensitive cone visual pigment in the chicken retina. 1991 , 54, 1061-70	10
831	Rat retina has an active and stable ubiquitin-protein conjugating system. 1991 , 30, 433-41	12
830	Single-channel study of the cGMP-dependent conductance of retinal rods from incorporation of native vesicles into planar lipid bilayers. 1991 , 123, 133-47	59
829	Diltiazem at high concentration increases the ionic permeability of biological membranes. 1991 , 122, 203-13	7
828	Four cases of direct ion channel gating by cyclic nucleotides. 1991 , 23, 577-97	12
827	Electrophysiological properties of isolated photoreceptors from the eye of <i>Lima scabra</i> . 1991 , 97, 17-34	28
826	Net charge transport during sodium-dependent calcium extrusion in isolated salamander rod outer segments. 1991 , 98, 479-95	18
825	Phosphatidylinositol-stimulated phosphorylation of an inhibitory subunit of cGMP phosphodiesterase in vertebrate rod photoreceptors. 1991 , 88, 4333-7	127
824	Retina. 1991 , 309-467	8
823	Control of ligand specificity in cyclic nucleotide-gated channels from rod photoreceptors and olfactory epithelium. 1991 , 88, 9868-72	166
822	Kinetic analysis of cAMP-activated Na ⁺ current in the molluscan neuron. A diffusion-reaction model. 1991 , 98, 835-48	25
821	Second messengers mediating activation of chloride current by intracellular GTP gamma S in bovine chromaffin cells. <i>Journal of Physiology</i> , 1991 , 436, 725-38	3.9 33
820	Ion channels for communication between and within cells. 1992 , 256, 498-502	87
819	Na ⁺ ,K ⁺ -ATPase Isoforms in the Retina. 1992 , 133, 151-185	7
818	Permeation and interaction of monovalent cations with the cGMP-gated channel of cone photoreceptors. 1992 , 100, 647-73	99
817	Sodium nitroprusside alters dark voltage and light responses in isolated retinal rods during whole-cell recording. 1992 , 9, 205-9	47

816	Modulation of rabbit ventricular cell volume and Na ⁺ /K ⁺ /2Cl ⁻ cotransport by cGMP and atrial natriuretic factor. 1992 , 100, 89-114		66
815	Adaptation-promoting effect of IP ₃ , Ca ²⁺ , and phorbol ester on the sugar taste receptor cell of the blowfly, <i>Phormia regina</i> . 1992 , 100, 867-79		28
814	Electrophysiological recordings in solitary photoreceptors from the retina of squid, <i>Loligo pealei</i> . 1992 , 8, 349-58		9
813	Light-dependent delay in the falling phase of the retinal rod photoresponse. 1992 , 8, 9-18		268
812	Domain mapping of the retinal cyclic GMP phosphodiesterase gamma-subunit. Function of the domains encoded by the three exons of the gamma-subunit gene. 1992 , 281 (Pt 3), 637-43		53
811	A quantitative account of the activation steps involved in phototransduction in amphibian photoreceptors. <i>Journal of Physiology</i> , 1992 , 449, 719-58	3.9	465
810	Guanosine 3',5'-cyclic monophosphate regulates calcium channels in neurones of rabbit vesical pelvic ganglia. <i>Journal of Physiology</i> , 1992 , 457, 559-74	3.9	9
809	Cation interactions within the cyclic GMP-activated channel of retinal rods from the tiger salamander. <i>Journal of Physiology</i> , 1992 , 449, 759-83	3.9	74
808	Three components in the light-induced current of the <i>Limulus</i> ventral photoreceptor. <i>Journal of Physiology</i> , 1992 , 453, 69-96	3.9	27
807	Lead citrate method of guanylate cyclase and its application to tissue receiving rapid freeze substitution fixation.. 1992 , 25, 181-192		4
806	Improved cytochemical method for cyclic 3',5'-nucleotide phosphodiesterase in rat rod outer segments.. 1992 , 25, 697-705		1
805	Involvement of cyclic GMP in non-adrenergic, non-cholinergic inhibitory neurotransmission in dog proximal colon. 1992 , 107, 1075-82		82
804	Purification and characterization of S-modulin, a calcium-dependent regulator on cGMP phosphodiesterase in frog rod photoreceptors. 1992 , 186, 411-7		147
803	G-protein cascades: gain and kinetics. 1992 , 15, 291-8		82
802	G protein activation of cardiac muscarinic K ⁺ channels. 1992 , 39, 229-46		81
801	Protein phosphatases modulate the apparent agonist affinity of the light-regulated ion channel in retinal rods. 1992 , 9, 739-48		165
800	Signal flow in visual transduction. 1992 , 8, 995-1002		292
799	On the stimulation of soluble and particulate guanylate cyclase in the rat brain and the involvement of nitric oxide as studied by cGMP immunocytochemistry. 1992 , 92, 13-38		139

798	Species differences in the response of mammalian photoreceptor cyclic GMP and PIII to a reduction in calcium. 1992 , 32, 809-13	1
797	The light-induced rise in cytosolic calcium starts later than the receptor current of the <i>Limulus</i> ventral photoreceptor. 1992 , 32, 403-16	25
796	Photoresponses and light adaptation of pineal photoreceptors in the trout. 1992 , 248, 149-157	9
795	The glutamate-receptor linked cGMP cascade of retinal on-bipolar cells is pertussis and cholera toxin-sensitive. 1992 , 247, 17-20	38
794	Properties of the cGMP-activated channel of retinal on-bipolar cells. 1992 , 247, 21-5	44
793	Voltage-dependent block by L-cis-diltiazem of the cyclic GMP-activated conductance of salamander rods. 1992 , 247, 113-9	26
792	Plasma membrane ion channel regulation during abscisic acid-induced closing of stomata. 1992 , 338, 83-89	20
791	Nobel lecture. Ion channels for communication between and within cells. 1992 , 8, 605-12	23
790	Effects of lithium on basal and modulated activities of the particulate and soluble guanylate cyclases in retinal rod outer segments. 1992 , 31, 10652-6	15
789	Rhodopsin: structure, function, and genetics. 1992 , 31, 4923-31	198
788	Functional regions of the inhibitory subunit of retinal rod cGMP phosphodiesterase identified by site-specific mutagenesis and fluorescence spectroscopy. 1992 , 31, 5918-25	70
787	Phosphorylation of smg p21B/rap1B p21 by cyclic GMP-dependent protein kinase. 1992 , 297, 171-4	32
786	Cloning and sequencing of the 23 kDa mouse photoreceptor cell-specific protein. 1992 , 302, 172-6	77
785	Mono ADP-ribosylation of transducin catalyzed by rod outer segment extract. 1992 , 309, 394-8	31
784	Characterization of calcium-dependent potassium channels in antennal receptor neurones of <i>Locusta migratoria</i> . 1992 , 38, 237-248	15
783	Nobel lecture. Ion channels for communication between and within cells.. <i>EMBO Journal</i> , 1992 , 11, 1672-1679	8
782	Primary structure and functional expression of the Na/Ca,K-exchanger from bovine rod photoreceptors.. <i>EMBO Journal</i> , 1992 , 11, 1689-1695	13 155
781	Gating of retinal rod cation channel by different nucleotides: comparative study of unitary currents. 1992 , 130, 91-104	43

780	Signal transduction enzymes of vertebrate photoreceptors. 1992 , 24, 219-26	145
779	Ion channels for communication between and within cells. 1992 , 12, 1-14	5
778	A quantitative model of phototransduction and light adaptation in amphibian rod photoreceptors. 1992 , 4, 5-13	2
777	The role of cytoplasmic calcium in photoreceptor light adaptation. 1992 , 86, 147-55	1
776	Molecular mechanisms in visual pigment regeneration. 1992 , 56, 1145-56	26
775	Light-sensitivity modulating protein in frog rods. 1992 , 56, 1173-80	49
774	Mechanistic studies on rhodopsin kinase. Light-dependent phosphorylation of C-terminal peptides of rhodopsin. 1992 , 208, 659-67	38
773	Ion Channels for Communication Between and Within Cells (Nobel Lecture). 1992 , 31, 824-829	19
772	Ionenkanäle für die inter- und intrazelluläre Kommunikation. (Nobel-Vortrag). 1992 , 104, 837-843	16
771	A novel neuronal messenger molecule in brain: the free radical, nitric oxide. 1992 , 32, 297-311	768
770	Drugs acting on the intracellular signalling system. 1993 , 13, 1-60	9
769	Chromosomal assignment of the recoverin gene and cancer-associated retinopathy. 1993 , 4, 43-5	59
768	Cyclic 3',5'-nucleotide phosphodiesterase: cytochemical localization in photoreceptor cells of the fly <i>Calliphora erythrocephala</i> . 1993 , 22, 845-53	6
767	Phototransduction. The invertebrate enigma. <i>Nature</i> , 1993 , 366, 113-4	50.4 5
766	Visual transduction. Sensing calcium in rod cells. <i>Nature</i> , 1993 , 361, 20-1	50.4 3
765	Two signal transduction mechanisms of substance P-induced depolarization in locus coeruleus neurons. 1993 , 5, 1189-97	42
764	Isolation of a <i>Drosophila</i> gene encoding a head-specific guanylyl cyclase. 1993 , 60, 1570-3	27
763	Atrial natriuretic factor (ANF) does not affect ion transport in human intestine but does in porcine intestine. 1993 , 147, 417-29	8

762	Interactions of a G-protein with its effector: transducin and cGMP phosphodiesterase in retinal rods. 1993 , 5, 235-41	132
761	Enzymes of the cyclic GMP metabolism in bovine retina. I. Cloning and expression of the gene for guanylate kinase. 1993 , 335, 81-4	19
760	Multiple genes for G protein-coupled receptors and their expression in lingual epithelia. 1993 , 316, 253-6	28
759	On the activation of phosphodiesterase by a 26 kDa protein. 1993 , 316, 34-6	4
758	High-affinity cAMP phosphodiesterase and adenosine localized in sensory organs. 1993 , 610, 199-207	24
757	Cyclic nucleotide-activated channels in carp olfactory receptor cells. 1993 , 1150, 63-72	12
756	Amplification and kinetics of the activation steps in phototransduction. 1993 , 1141, 111-49	480
755	Neuronal nitric oxide in the gut. 1993 , 8, 590-603	85
754	PKA mediates the effects of monoamine transmitters on the K ⁺ current underlying the slow spike frequency adaptation in hippocampal neurons. 1993 , 11, 1023-35	244
753	Activation of retinal rod cGMP-gated channels: what makes for an effective 8-substituted derivative of cGMP?. 1993 , 32, 10089-95	123
752	Rod and cone photoreceptor cells express distinct genes for cGMP-gated channels. 1993 , 10, 865-77	274
751	L-arginine and nicotinamide adenine dinucleotide phosphate alter dark voltage and accelerate light response recovery in isolated retinal rods of the frog (<i>Rana temporaria</i>). 1993 , 149, 95-8	36
750	Cyclic nucleotide regulation of teleost rod photoreceptor inner segment length. 1993 , 102, 75-98	11
749	Appearance of cGMP-phosphodiesterase immunoreactivity parallels the morphological differentiation of photoreceptor outer segments in the rat retina. 1993 , 10, 395-402	12
748	Rhodopsin and phototransduction. 1992 , 137B, 49-97	109
747	Molecular aspects of photoreceptor adaptation in vertebrate retina. 1993 , 35, 43-86	8
746	The electrical responses of the trout pineal photoreceptors to brief and prolonged illumination. 1993 , 95, 3-13	13
745	Chapter 12 Guanylyl cyclases as effectors of hormone and neurotransmitter receptors. 1993 , 325-338	1

744	Structural Features of Cyclic Nucleotide-Gated Channels. 1993 , 3, 332-351		17
743	Specific labeling and permanent activation of the retinal rod cGMP-activated channel by the photoaffinity analog 8-p-azidophenacylthio-cGMP. 1993 , 90, 5369-73		123
742	Calcium as modulator of phototransduction in vertebrate photoreceptor cells. 1994 , 125, 149-92		54
741	The permeability of the cGMP-activated channel to organic cations in retinal rods of the tiger salamander. <i>Journal of Physiology</i> , 1993 , 460, 741-58	3.9	45
740	A single negative charge within the pore region of a cGMP-gated channel controls rectification, Ca ²⁺ blockage, and ionic selectivity. 1994 , 91, 1109-13		246
739	Light-dependent ion channels in Octopus visual cell membranes: The permeability of large organic ions and effects of cyclic GMP. 1994 , 23, 161-177		6
738	Nucleotide Regulation of a calcium-activated cation channel in the rat insulinoma cell line, CRI-G1. 1994 , 141, 101-12		16
737	Gaseous nitric oxide stimulates guanosine-3',5'-cyclic monophosphate (cGMP) formation in spruce needles. 1994 , 36, 259-262		72
736	Modulation of guanylate cyclase and phosphodiesterase by monovalent cations and nucleoside triphosphates in light-sensitive excised patches of rod outer segments. 1994 , 428, 372-81		3
735	Configuration of light responses in isolated retinal rods. A patch-clamp study. 1994 , 232, 153-61		3
734	Nitric oxide release and long term potentiation at synapses in autonomic ganglia. 1994 , 25, 1541-51		17
733	Cyclic ADP-ribose: a new member of a super family of signalling cyclic nucleotides. 1994 , 6, 591-600		59
732	Single K ⁺ channels closed by light and opened by cyclic GMP in molluscan extra-ocular photoreceptor cells. 1994 , 662, 268-72		23
731	Molecular mechanism of cyclic-nucleotide-gated channel activation. <i>Nature</i> , 1994 , 372, 369-74	50.4	276
730	Bacterial sporulation. An ATP/ADP switch. 1994 , 4, 630-2		7
729	The <i>Drosophila</i> dgq gene encodes a G alpha protein that mediates phototransduction. 1994 , 13, 1143-57		117
728	Cellular mechanisms mediating agonist-stimulated calcium influx in the pancreatic acinar cell. 1994 , 713, 41-8		9
727	Glutamate-Gated Channels in the Outer Retina. 1994 , 287-302		5

726	Selectivity and Single-Channel Properties of the cGMP-Activated Channel in Amphibian Retinal Rods. 1994 , 345-358		4
725	Ethanol inhibition of L-type Ca ²⁺ channels in PC12 cells: role of permeant ions. 1994 , 270, 17-25		13
724	The saturated response of vertebrate rods and its relation to cGMP metabolism. 1994 , 653, 325-9		6
723	Inhibition of nitric oxide synthase alters light responses and dark voltage of amphibian photoreceptors. 1994 , 33, 1407-12		33
722	Photoreceptor light-adaptation mediated by S-modulin, a member of a possible regulatory protein family of protein phosphorylation in signal transduction. 1994 , 20, 293-8		56
721	Retinal ganglion cells express a cGMP-gated cation conductance activatable by nitric oxide donors. 1994 , 12, 155-65		222
720	Gating, selectivity and blockage of single channels activated by cyclic GMP in retinal rods of the tiger salamander. <i>Journal of Physiology</i> , 1994 , 474, 203-22	3.9	25
719	Identification of a binding site on retinal transducin alpha for the phosphodiesterase inhibitory gamma subunit. 1994 , 297 (Pt 1), 87-91		12
718	Progress in understanding the mechanism and function of cyclic GMP-dependent protein kinase. 1994 , 26, 115-70		61
717	Cyclic nucleotide-gated channels: an expanding new family of ion channels. 1994 , 91, 3481-3		91
716	Role of atrial natriuretic peptide in the control of sodium balance in chronic renal failure. 1994 , 66, 249-57		2
715	Future directions for rhodopsin structure and function studies. 1995 , 18, 403		6
714	What are the mechanisms of photoreceptor adaptation?. 1995 , 18, 415		40
713	Recoverin and Ca ²⁺ in vertebrate phototransduction. 1995 , 18, 425		3
712	Do the calmodulin-stimulated adenylyl cyclases play a role in neuroplasticity?. 1995 , 18, 429		16
711	The cGMP-gated channel of photoreceptor cells: Its structural properties and role in phototransduction. 1995 , 18, 441		11
710	Correlation of phenotype with genotype in inherited retinal degeneration. 1995 , 18, 452		36
709	Calcium/calmodulin-sensitive adenylyl cyclase as an example of a molecular associative integrator. 1995 , 18, 468		

708 The determination of rhodopsin structure may require alternative approaches. **1995**, 18, 469

707 Mechanisms of photoreceptor degenerations. **1995**, 18, 470

706 Genetic and clinical heterogeneity in tapetal retinal dystrophies. **1995**, 18, 470

705 Molecular insights gained from covalently tethering cGMP to the ligand-binding sites of retinal rod cGMP-gated channels. **1995**, 18, 471

704 The structure of rhodopsin and mechanisms of visual adaptation. **1995**, 18, 472

703 The key to rhodopsin function lies in the structure of its interface with transducin. **1995**, 18, 473

702 The atomic structure of visual rhodopsin: How and when?. **1995**, 18, 474

701 Does calmodulin play a functional role in phototransduction?. **1995**, 18, 475

4

700 Structure and physiology of photoreceptor cGMP-gated cation channels. **1995**, 18, 476

1

699 Long term potentiation and CaM-sensitive adenylyl cyclase: Long-term prospects. **1995**, 18, 477

698 Channel structure and divalent cation regulation of phototransduction. **1995**, 18, 478

697 Linking genotypes with phenotypes in human retinal degenerations: Implications for future research and treatment. **1995**, 18, 478

696 Unsolved issues in S-modulin/recoverin study. **1995**, 18, 479

695 Crucial steps in photoreceptor adaptation: Regulation of phosphodiesterase and guanylate cyclase activities and Ca²⁺-buffering. **1995**, 18, 480

694 Reduced cytoplasmic calcium concentration may be both necessary and sufficient for photoreceptor light adaptation. **1995**, 18, 481

693 Gene therapy, regulatory mechanisms, and protein function in vision. **1995**, 18, 481

1

692 Structure of the cGMP-gated channel. **1995**, 18, 482

691 Recoverin is the tumor antigen in cancer-associated retinopathy. **1995**, 18, 483

4

- 690 Adenylyl cyclase, G proteins, and synaptic plasticity. **1995**, 18, 484 1
- 689 Regulation of adenylyl cyclase in LTP. **1995**, 18, 485 1
- 688 Modulation of the cGMP-gated channel by calcium. **1995**, 18, 486
- 687 Unique lipids and unique properties of retinal proteins. **1995**, 18, 486
- 686 Na-Ca + K exchanger and Ca²⁺ homeostasis in retinal rod outer segments: Inactivation of the Ca²⁺ efflux mode and possible involvement of intracellular Ca²⁺ stores in Ca²⁺ homeostasis. **1995**, 18, 488
- 685 A novel protein family of neuronal modulators. **1995**, 18, 489
- 684 Glutamate accumulation in the photoreceptor-presumed final common path of photoreceptor cell death. **1995**, 18, 490
- 683 The genetic kaleidoscope of vision. **1995**, 18, 490
- 682 More answers about cGMP-gated channels pose more questions. **1995**, 18, 492
- 681 Cyclic nucleotides as regulators of light-adaptation in photoreceptors. **1995**, 18, 493
- 680 Is the lifetime of light-stimulated cGMP phosphodiesterase regulated by recoverin through its regulation of rhodopsin phosphorylation?. **1995**, 18, 494 1
- 679 Future directions for rhodopsin structure and function studies. **1995**, 18, 495
- 678 How many light adaptation mechanisms are there?. **1995**, 18, 496
- 677 Recoverin, a calcium-binding protein in photoreceptors. **1995**, 18, 497 0
- 676 Evidence that the type I adenylyl cyclase may be important for neuroplasticity: Mutant mice deficient in the gene for type I adenylyl cyclase show altered behavior and LTP. **1995**, 18, 498
- 675 Further insight into the structural and regulatory properties of the cGMP-gated channel. **1995**, 18, 500
- 674 Genetic and functional complexity of inherited retinal degeneration. **1995**, 18, 501 1
- 673 Testing Mealey's model: The need to demonstrate an ESS and to establish the role of testosterone. **1995**, 18, 541 2

672	The sociopath: Cheater or warrior hawk?. 1995 , 18, 542	39
671	Continua outperform dichotomies. 1995 , 18, 543	40
670	Sociopathy, evolution, and the brain. 1995 , 18, 544	
669	You can cheat people, but not nature!. 1995 , 18, 544	26
668	Secondary sociopathy and opportunistic reproductive strategy. 1995 , 18, 545	
667	Group differences != individual differences. 1995 , 18, 546	
666	Putting cognition into sociopathy. 1995 , 18, 548	5
665	Sociopathy or hyper-masculinity?. 1995 , 18, 548	
664	Cheaters never prosper, sometimes. 1995 , 18, 549	
663	Prisoner's Dilemma, Chicken, and mixedstrategy evolutionary equilibria. 1995 , 18, 550	2
662	The sociopathy of sociobiology. 1995 , 18, 552	1
661	A neuropsychology of deception and self-deception. 1995 , 18, 552	
660	The role of emotion in sociopathy: Contradictions and unanswered questions. 1995 , 18, 553	
659	Extending arousal theory and reflecting on biosocial approaches to social science. 1995 , 18, 554	3
658	Sociopathy and sociobiology: Biological units and behavioral units. 1995 , 18, 555	
657	The epigenesis of sociopathy. 1995 , 18, 556	4
656	Just Stories and sociopathy. 1995 , 18, 557	1
655	The primary/secondary distinction of psychopathy: A clinical perspective. 1995 , 18, 558	

654	Genes, hormones, and gender in sociopathy. 1995 , 18, 560	4
653	Al Capone, discrete morphs, and complex dynamic systems. 1995 , 18, 560	3
652	Fatherless rearing leads to sociopathy. 1995 , 18, 563	2
651	Sociobiology, sociopathy, and social policy. 1995 , 18, 564	
650	Genetic issues in the sociobiology of sociopathy. 1995 , 18, 565	
649	Diathesis stress model or just story?. 1995 , 18, 565	3
648	Adaptive and nonadaptive explanations of sociopathy. 1995 , 18, 566	8
647	Touchstones of abnormal personality theory. 1995 , 18, 567	1
646	On the brain and personality substrates of psychopathy. 1995 , 18, 568	1
645	Genetics and DNA polymorphisms. 1995 , 18, 570	
644	Emotions and sociopathy. 1995 , 18, 570	2
643	Psychopathy is a nonarbitrary class. 1995 , 18, 571	5
642	Psychopathy and violence: Arousal, temperament, birth complications, maternal rejection, and prefrontal dysfunction. 1995 , 18, 571	5
641	Evolution, mating effort, and crime. 1995 , 18, 573	46
640	Is sociopathy a type or not? Will the real sociopathy please stand up?. 1995 , 18, 575	
639	The role of attachment in the development and prevention of sociopathy. 1995 , 18, 576	
638	Sociopathy within and between small groups. 1995 , 18, 577	36
637	Moral judgments by alleged sociopaths as a means for coping with problems of definition and identification in Mealey's model. 1995 , 18, 577	5

636	Is the distinction between primary and secondary sociopaths a matter of degree, secondary traits, or nature vs. nurture?. 1995 , 18, 578		3
635	Primary sociopathy (psychopathy) is a type, secondary is not. 1995 , 18, 579		34
634	Processing attributes and judging objects. 1995 , 18, 601		
633	Arguments in favour of a psycho-psychophysics. 1995 , 18, 602		
632	Bias by stimuli presented before the start of an investigation. 1995 , 18, 604		
631	Psychophysical scaling: A conditional defense of $R=f(I)$. 1995 , 18, 605		
630	Weight and mass as psychophysical attributes. 1995 , 18, 606		1
629	Psychophysical scaling methods reveal and measure context effects. 1995 , 18, 607		23
628	The ontology of aspectual shape. 1995 , 18, 612		
627	Searle's argument that intentional states are conscious states. 1995 , 18, 614		
626	Token-identity, consciousness, and the connection principle. 1995 , 18, 615		42
625	Nuclear magnetic resonance studies on the structure and function of rhodopsin. 1995 , 18, 488		
624	Psychopathology: Type or trait?. 1995 , 18, 555		40
623	Pathways to sociopathy: Twin analyses offer direction. 1995 , 18, 574		
622	Implications of an evolutionary biopsychosocial model. 1995 , 18, 559		
621	An evaluation of Mealey's hypotheses based on psychopathy checklist: Identified groups. 1995 , 18, 562		17
620	Conductance and kinetics of single cGMP-activated channels in salamander rod outer segments. <i>Journal of Physiology</i> , 1995 , 483 (Pt 3), 567-82	3.9	39
619	Spontaneous, ligand-independent activity of the cGMP-gated ion channels in cone photoreceptors of fish. <i>Journal of Physiology</i> , 1995 , 485 (Pt 3), 699-714	3.9	34

618	Subunit interactions in coordination of Ni ²⁺ in cyclic nucleotide-gated channels. 1995 , 92, 10222-6		102
617	The dynamics of cytosolic calcium in photoreceptor cells. 1995 , 17, 282-6		2
616	Immunocytochemical localization of the GTP-binding protein G0 alpha in the vestibular epithelium and ganglion of the guinea-pig. 1995 , 24, 916-24		2
615	Photo-responsive behavior of a monolayer composed of an azobenzene containing polypeptide in the main chain. 1995 , 273, 1022-1027		34
614	Molecular diversity of cyclic nucleotide-gated cation channels. 1995 , 353, 1-10		19
613	Regulation of calcium-activated nonselective cation channel activity by cyclic nucleotides in the rat insulinoma cell line, CRI-G1. 1995 , 145, 267-78		12
612	The permeation of organic cations through cAMP-gated channels in mammalian olfactory receptor neurons. 1995 , 146, 177-91		18
611	The renal cGMP-gated cation channel: its molecular structure and physiological role. 1995 , 48, 1125-33		30
610	A cyclic-nucleotide-suppressible conductance activated by transducin in taste cells. <i>Nature</i> , 1995 , 376, 85-8	50.4	112
609	A channel-like transporter for NH ₄ ⁺ on the symbiotic interface of N ₂ -fixing plants. <i>Nature</i> , 1995 , 378, 629-632	50.4	153
608	On the molecular origins of thermal noise in vertebrate and invertebrate photoreceptors. 1995 , 55, 115-26		35
607	Cyclic nucleotide-gated channels in visual and olfactory transduction. 1995 , 55, 185-96		39
606	Isolation and characterization of the alpha-subunit of the rat rod photoreceptor cGMP-gated cation channel. 1995 , 6, 289-302		16
605	Ca ²⁺ in visual transduction and adaptation in vertebrates and invertebrates. 1995 , 18, 253-5		2
604	Rods, cones and calcium. 1995 , 18, 275-84		8
603	Do nitric oxide and cGMP play a role in calcium cycling?. 1995 , 18, 207-13		21
602	Electrophysiological aspects of 5-HT receptor-mediated adenylyl cyclase activation. 1995 , 7, 383-393		3
601	Effect of nitroprusside on regional cerebral cyclic GMP, blood flow and O ₂ consumption in rat. 1995 , 669, 35-40		7

600	NADPH-diaphorase expression in neurons and glia of the normal adult rat retina. 1995 , 692, 195-206	26
599	Guanylate cyclase activity in the inner ear and auditory nerve of the rat. 1995 , 118, 418-21	3
598	Rod photoreceptor-specific gene expression in human retinoblastoma cells. 1995 , 92, 4016-20	45
597	Signal transduction in <i>Drosophila</i> photoreceptors. 1995 , 18, 283-317	176
596	The type II isoform of cGMP-dependent protein kinase is dimeric and possesses regulatory and catalytic properties distinct from the type I isoforms. <i>Journal of Biological Chemistry</i> , 1995 , 270, 27380-85-4	81
595	Permeation of internal and external monovalent cations through the catfish cone photoreceptor cGMP-gated channel. 1995 , 106, 485-505	15
594	Long-lasting changes of calcium oscillations in astrocytes. A new form of glutamate-mediated plasticity. <i>Journal of Biological Chemistry</i> , 1995 , 270, 15203-10	5-4 90
593	Characterization of guanylate cyclase activity in single retinal rod outer segments. 1995 , 106, 863-90	82
592	Phototransduction: modeling the primate cone flash response. 1995 , 12, 1063-82	10
591	Permeation and block by internal and external divalent cations of the catfish cone photoreceptor cGMP-gated channel. 1995 , 106, 507-23	28
590	Mapping of the amino acids in the cytoplasmic loop connecting helices C and D in rhodopsin. Chemical reactivity in the dark state following single cysteine replacements. 1995 , 34, 8804-11	40
589	The sociobiology of sociopathy: An integrated evolutionary model. 1995 , 18, 523	742
588	A tale of two senses. 1995 , 15, 11-6	16
587	Activation of light-dependent K ⁺ channels in ciliary invertebrate photoreceptors involves cGMP but not the IP ₃ /Ca ²⁺ cascade. 1995 , 15, 607-18	67
586	Localization of regions affecting an allosteric transition in cyclic nucleotide-activated channels. 1995 , 14, 857-64	145
585	A histidine residue associated with the gate of the cyclic nucleotide-activated channels in rod photoreceptors. 1995 , 14, 177-83	131
584	Family of cyclic nucleotide gated ion channels. 1995 , 5, 434-42	136
583	Cyclic nucleotide gated channels. 1995 , 5, 296-303	63

582	Synaptic transmission and function of parasympathetic ganglia. 1995 , 45, 459-522	28
581	Fibroblast growth factors alter light responses and dark voltage in retinal rods of the frog (<i>Rana temporaria</i>). 1995 , 191, 177-80	5
580	Diacylglycerol analogs inhibit the rod cGMP-gated channel by a phosphorylation-independent mechanism. 1995 , 69, 409-17	43
579	Low resolution structure of bovine rhodopsin determined by electron cryo-microscopy. 1995 , 68, 1776-86	279
578	Duration and amplitude of the light-induced cGMP hydrolysis in vertebrate photoreceptors are regulated by multiple phosphorylation of rhodopsin and by arrestin binding. 1995 , 34, 1446-54	101
577	Molecular characterization of two <i>Drosophila</i> guanylate cyclases expressed in the nervous system. <i>Journal of Biological Chemistry</i> , 1995 , 270, 12418-27	5-4 49
576	Effect of changing temperature on the ionic permeation through the cyclic GMP-gated channel from vertebrate photoreceptors. 1996 , 70, 2616-39	14
575	Calcium modulation of bovine photoreceptor guanylate cyclase. 1996 , 35, 8478-82	116
574	Daily variations in cGMP, guanylate cyclase and phosphodiesterase in the golden hamster retina. 1996 , 36, 1365-9	10
573	Regulation of sensitivity in vertebrate rod photoreceptors by calcium. 1996 , 19, 73-81	209
572	Histochemistry of NADPH-diaphorase--a marker for neuronal nitric oxide synthase--in the carp retina. 1996 , 28, 283-91	26
571	Molecular cloning, functional expression and chromosomal localization of a human homolog of the cyclic nucleotide-gated ion channel of retinal cone photoreceptors. 1996 , 393, 211-5	52
570	Expression of photoreceptor cyclic nucleotide-gated cation channel alpha subunit (CNGCalpha) in the liver and skeletal muscle. 1996 , 395, 77-81	21
569	Chemical biology of protein isoprenylation/methylation. 1996 , 1300, 5-16	76
568	The <i>Drosophila</i> light-activated conductance is composed of the two channels TRP and TRPL. 1996 , 85, 651-9	315
567	Dark adaptation in vertebrate photoreceptors. 1996 , 19, 502-7	66
566	A putative cyclic nucleotide-gated channel is required for sensory development and function in <i>C. elegans</i> . 1996 , 17, 695-706	353
565	Mutations in a cyclic nucleotide-gated channel lead to abnormal thermosensation and chemosensation in <i>C. elegans</i> . 1996 , 17, 707-18	341

564	Identification of competitive antagonists of the rod photoreceptor cGMP-gated cation channel: beta-phenyl-1,N2-etheno-substituted cGMP analogues as probes of the cGMP-binding site. 1996 , 35, 16815-23		40
563	Electrophysiological characterization of chemosensory neurons from the mouse vomeronasal organ. 1996 , 16, 4625-37		99
562	Cooperativity in cyclic nucleotide-gated ion channels. 1996 , 107, 165-7		4
561	Modulation by internal protons of native cyclic nucleotide-gated channels from retinal rods. 1996 , 108, 265-76		12
560	Cyclic Nucleotide-Gated Channels, Nitric Oxide, and Neural Function. 1996 , 2, 24-32		8
559	Time-dependent current decline in cyclic GMP-gated bovine channels caused by point mutations in the pore region expressed in <i>Xenopus</i> oocytes. <i>Journal of Physiology</i> , 1996 , 493 (Pt 2), 409-18	3.9	26
558	cGMP-mediated effects on the physiology of bovine and human retinal Müller (glial) cells. <i>Journal of Physiology</i> , 1996 , 497 (Pt 3), 813-24	3.9	43
557	The action of cytoplasmic calcium on the cGMP-activated channel in salamander rod photoreceptors. <i>Journal of Physiology</i> , 1996 , 497 (Pt 2), 309-19	3.9	33
556	Rat hippocampal neurons express genes for both rod retinal and olfactory cyclic nucleotide-gated channels: novel targets for cAMP/cGMP function. 1996 , 93, 10440-5		106
555	The differences in the expressions of visual pigments and transducin in photoreceptor cell differentiation. 1996 , 178, 233-40		3
554	Molecular mechanisms of cyclic nucleotide-gated channels. 1996 , 28, 269-78		14
553	Long-term rod dark adaptation in man. Threshold measurements, rhodopsin regeneration and allosteric sensitivity regulation. An evaluation. 1996 , 37, 259-68		3
552	Cyclic nucleotide-gated cation channels molecular diversity, structure, and cellular functions. 1996 , 6, 274-80		16
551	Electrodynamics of microtubular motors: the building blocks of a new model. 1996 , 39, 187-226		11
550	The membrane guanylyl cyclase, retinal guanylyl cyclase-1, is activated through its intracellular domain. <i>Journal of Biological Chemistry</i> , 1996 , 271, 11646-51	5.4	113
549	Covalent activation of retinal rod cGMP-gated channels reveals a functional heterogeneity in the ligand binding sites. 1996 , 107, 169-81		22
548	A quinine-activated cationic conductance in vertebrate taste receptor cells. 1996 , 108, 515-23		27
547	Two opposite effects of ATP on the apparent sensitivity of the cGMP-gated channel of the carp retinal cone. 1997 , 14, 609-15		3

546	Modulation of rod, but not cone, cGMP-gated photoreceptor channels by calcium-calmodulin. 1997 , 14, 233-9		37
545	Mechanism of tetracaine block of cyclic nucleotide-gated channels. 1997 , 109, 3-14		64
544	A novel Go-mediated phototransduction cascade in scallop visual cells. <i>Journal of Biological Chemistry</i> , 1997 , 272, 22979-82	5.4	123
543	Cyclic AMP levels, adenylyl cyclase activity, and their stimulation by serotonin quantified in intact neurons. 1997 , 110, 243-55		15
542	Calcium modulation of ligand affinity in the cyclic GMP-gated ion channels of cone photoreceptors. 1997 , 110, 515-28		49
541	Signal Transduction: Activation of the Guanylate Cyclase-Cyclic Guanosine-3' -5' Monophosphate System by Hormones and Free Radicals. 1997 , 314, 311-323		
540	Antagonists of the cGMP-gated conductance of vertebrate rods block the photocurrent in scallop ciliary photoreceptors. <i>Journal of Physiology</i> , 1997 , 500 (Pt 2), 367-78	3.9	18
539	Effects of animal age on the responses along the outer segment of retinal rod photoreceptors. 1997 , 8, 581-5		2
538	Mechanisms of Transmembrane Signaling. 1997 , 689-742		
537	Cyclic nucleotide-gated channels. 1997 , 6, 249-272		
536	Chapter 6 Talking to cells—cell membrane receptors and their modes of action. 1997 , 173-201		1
535	Intrathecal administration of a new nitric oxide donor, NOC-18, produces acute thermal hyperalgesia in the rat. 1997 , 153, 1-7		41
534	Adenosine receptor blockade and nitric oxide synthase inhibition in the retina: impact upon post-ischemic hyperemia and the electroretinogram. 1997 , 37, 3453-61		47
533	Crystallization and preliminary X-ray analysis of arrestin from bovine rod outer segment. 1997 , 415, 268-70		6
532	The Limulus ventral photoreceptor: light response and the role of calcium in a classic preparation. 1997 , 53, 451-515		34
531	Electrophysiological responses of neurons in the rat spinal cord to nitric oxide. 1997 , 77, 563-73		67
530	Expression of a single gene produces both forms of skeletal muscle cyclic nucleotide-gated channels. 1997 , 273, E1140-8		
529	cGMP stimulates sodium and chloride currents in rat tracheal airway epithelia. 1997 , 272, C911-22		48

528	Single cyclic nucleotide-gated channels locked in different ligand-bound states. <i>Nature</i> , 1997 , 389, 389-93	139
527	Prevention of postasphyxia electroretinal dysfunction with a pyridoxal hydrazone. 1997 , 22, 11-6	17
526	Lipid metabolism in photoreceptor membranes: regulation and mechanisms. 1997 , 22, 445-53	12
525	Photoreceptor guanylate cyclases: a review. 1997 , 17, 429-73	168
524	Current issues in invertebrate phototransduction. Second messengers and ion conductances. 1997 , 15, 41-63	16
523	Methylene blue induces ongoing activity in rat cutaneous primary afferents and depolarization of DRG neurons via a photosensitive mechanism. 1997 , 356, 619-25	13
522	A cyclic nucleotide-dependent chloride conductance in olfactory receptor neurons. 1997 , 159, 53-60	14
521	Cytochemical localization of guanylate cyclase in photoreceptor cells of the mouse. 1997 , 235, 176-9	4
520	Neurobiology of the gustatory systems of <i>Drosophila</i> and some terrestrial insects. 1997 , 39, 547-63	76
519	Three amino acids in the C-linker are major determinants of gating in cyclic nucleotide-gated channels. <i>EMBO Journal</i> , 1998 , 17, 353-62	13 63
518	Rapid development of nitric oxide-induced hyperalgesia depends on an alternate to the cGMP-mediated pathway in the rat neuropathic pain model. 1998 , 792, 263-70	52
517	Light-increased cGMP and K ⁺ conductance in the hyperpolarizing receptor potential of <i>Onchidium</i> extra-ocular photoreceptors. 1998 , 809, 325-36	16
516	[Signal transduction in photoreceptor cells]. 1998 , 85, 49-61	16
515	Cyclic nucleotide-gated channels--mediators of NO:cGMP-regulated processes. 1998 , 358, 140-4	23
514	Visual pigment: G-protein-coupled receptor for light signals. 1998 , 54, 1299-315	211
513	The NO-cGMP pathway in the rat locus coeruleus: electrophysiological, immunohistochemical and in situ hybridization studies. 1998 , 10, 3508-16	30
512	Molecular and pharmacological analysis of cyclic nucleotide-gated channel function in the central nervous system. 1998 , 56, 37-64	81
511	Molecular cloning of cDNA encoding the alpha unit of CNGC gene from human fetal heart. 1998 , 63, 1555-62	4

510	Three residues predicted by molecular modeling to interact with the purine moiety alter ligand binding and channel gating in cyclic nucleotide-gated channels. 1998 , 37, 17239-52	22
509	Calcium modulated signaling site in type 2 rod outer segment membrane guanylate cyclase (ROS-GC2). 1998 , 245, 447-53	38
508	Purification and molecular cloning of a novel calcium-binding protein, p26olf, in the frog olfactory epithelium. 1998 , 251, 860-7	23
507	Characterisation of an improved two-dimensional p22121 crystal from bovine rhodopsin. 1998 , 282, 991-1003	99
506	Functional co-assembly among subunits of cyclic-nucleotide-activated, nonselective cation channels, and across species from nematode to human. 1998 , 74, 1333-45	31
505	Stoichiometry and arrangement of heteromeric olfactory cyclic nucleotide-gated ion channels. 1998 , 95, 14546-51	27
504	Single-photon detection by rod cells of the retina. 1998 , 70, 1027-1036	145
503	Light-induced exposure of the cytoplasmic end of transmembrane helix seven in rhodopsin. 1998 , 95, 12854-9	76
502	Sir Alan L. Hodgkin. 1998 , 252-292	
501	Localization and properties of voltage-gated calcium channels in cone photoreceptors of Tupaia belangeri. 1998 , 15, 541-52	94
500	Developmental expression of the rat rod photoreceptor cGMP-gated cation channel. 1998 , 15, 823-9	5
499	Soluble guanylate cyclase and nitric oxide synthase in synaptosomal fractions of bovine retina. 1998 , 15, 867-73	14
498	Perfusion system components release agents that distort functional properties of rod cyclic nucleotide-gated ion channels. 1998 , 15, 1189-93	4
497	Second messengers mediate increases in cytosolic calcium in tobacco protoplasts. 1998 , 117, 1023-30	101
496	Nitric oxide depresses GABAA receptor function via coactivation of cGMP-dependent kinase and phosphodiesterase. 1998 , 18, 2342-9	87
495	Estradiol coupling to endothelial nitric oxide stimulates gonadotropin-releasing hormone release from rat median eminence via a membrane receptor. 1999 , 140, 652-9	93
494	Optimal detection of flash intensity differences using rod photocurrent observations. 1999 , 11, 1097-111	3
493	Temporal and spatial pattern of expression of cyclic nucleotide-gated channels in developing rat visual cortex. 1999 , 9, 340-7	16

492	Light-dependent changes in outer segment free-Ca ²⁺ concentration in salamander cone photoreceptors. 1999 , 113, 267-77		96
491	Opening mechanism of a cyclic nucleotide-gated channel based on analysis of single channels locked in each liganded state. 1999 , 113, 873-95		44
490	Adenovirus-mediated expression of an olfactory cyclic nucleotide-gated channel regulates the endogenous Ca ²⁺ -inhibitable adenylyl cyclase in C6-2B glioma cells. <i>Journal of Biological Chemistry</i> , 1999 , 274, 12445-53	5-4	33
489	Mechanism of allosteric modulation of rod cyclic nucleotide-gated channels. 1999 , 113, 601-20		45
488	C-Linker of cyclic nucleotide-gated channels controls coupling of ligand binding to channel gating. 1999 , 113, 17-34		63
487	Introduction to Cellular Signal Transduction. 1999 ,		3
486	Interfacial photochemistry of retinal proteins. 1999 , 62, 1-237		48
485	Tansley Review No. 106: Cyclic nucleotides in higher plants: the enduring paradox. 1999 , 143, 427-455		72
484	Molecular cloning of a putative cyclic nucleotide-gated ion channel cDNA from <i>Limulus polyphemus</i> . 1999 , 72, 461-71		8
483	Characterization of the soluble guanylyl cyclase beta-subunit gene in the mosquito <i>Anopheles gambiae</i> . 1999 , 8, 23-30		14
482	Retinitis pigmentosa: rod photoreceptor rescue by a calcium-channel blocker in the rd mouse. 1999 , 5, 1183-7		188
481	A novel role for cyclic nucleotide-gated cation channels in lung liquid homeostasis in sheep. <i>Journal of Physiology</i> , 1999 , 520 Pt 1, 255-60	3-9	43
480	Cyclic nucleotide-gated channels. Molecular mechanisms of activation. 1999 , 868, 730-40		46
479	Structure and function of cyclic nucleotide-gated channels. 1999 , 135, 151-71		83
478	The ordered visual transduction complex of the squid photoreceptor membrane. 1999 , 20, 61-80		3
477	Molecular rearrangements in the ligand-binding domain of cyclic nucleotide-gated channels. 1999 , 24, 443-52		61
476	The single-channel dose-response relation is consistently steep for rod cyclic nucleotide-gated channels: implications for the interpretation of macroscopic dose-response relations. 1999 , 38, 10642-8		34
475	Ciliated cell electrodynamics: From cilia and flagella to ciliated sensory systems. 1999 , 9-42		1

474	Chapter 16 Cyclic Nucleotide-Gated Cation Channels Contribute to Sodium Absorption in Lung: Role of Nonselective Cation Channels. 1999 , 279-294		1
473	Localization of nitric oxide synthase in the tree shrew retina. 1999 , 16, 399-409		12
472	Covalent tethering of ligands to retinal rod cyclic nucleotide-gated channels: binding site structure and allosteric mechanism. 2000 , 315, 755-72		1
471	Purification and biochemical analysis of cGMP-gated channel and Na ⁺ /Ca ²⁺ -K ⁺ exchanger of rod photoreceptors. 2000 , 315, 831-47		1
470	Chapter IV Nitric oxide in the retina. 2000 , 17, 111-145		4
469	Chapter 4 Ion channels of vertebrate photoreceptors. 2000 , 3, 143-181		8
468	Computational analysis of vertebrate phototransduction: combined quantitative and qualitative modeling of dark- and light-adapted responses in amphibian rods. 2000 , 17, 679-99		22
467	Chapter 9 Genetic dissection of <i>Drosophila</i> phototransduction. 2000 , 3, 449-525		15
466	Regulation of pacemaker currents in interstitial cells of Cajal from murine small intestine by cyclic nucleotides. <i>Journal of Physiology</i> , 2000 , 527 Pt 1, 149-62	3.9	46
465	Lack of a role for cyclic nucleotide gated cation channels in lung liquid absorption in fetal sheep. <i>Journal of Physiology</i> , 2000 , 523 Pt 2, 493-502	3.9	18
464	Cellular and molecular constituents of olfactory sensation in vertebrates. 2000 , 126, 17-32		37
463	Cyclic nucleotide-gated channels in non-sensory organs. 2000 , 27, 127-38		16
462	Cyclic nucleotide analogs as biochemical tools and prospective drugs. 2000 , 87, 199-226		198
461	Ion permeation and selectivity of wild-type recombinant rat CNG (rOCNC1) channels expressed in HEK293 cells. 2000 , 178, 137-50		6
460	Modification of cyclic nucleotide-gated ion channels by ultraviolet light. 2000 , 116, 227-52		16
459	Guanylyl cyclases as a family of putative odorant receptors. 2000 , 23, 417-39		40
458	Activation of the particulate and not the soluble guanylate cyclase leads to the inhibition of Ca ²⁺ extrusion through localized elevation of cGMP. <i>Journal of Biological Chemistry</i> , 2000 , 275, 25892-9	5.4	42
457	Transfected cyclic nucleotide-gated channels as biosensors. 2000 , 116, 143-5		3

- 456 Regulation of the GABA(A) receptor by nitric oxide in frog pituitary melanotrophs. **2000**, 141, 3451-60 13
- 455 Chapter 9 Membrane photobiophysics and photobiology. **2000**, 5, 493-576
- 454 Expression of GC-C, a receptor-guanylate cyclase, and its endogenous ligands uroguanylin and guanylin along the rostrocaudal axis of the intestine. **2000**, 141, 3210-24 46
- 453 Chapter 5 Phototransduction in vertebrate rods and cones: Molecular mechanisms of amplification, recovery and light adaptation. **2000**, 3, 183-255 129
- 452 The role of steady phosphodiesterase activity in the kinetics and sensitivity of the light-adapted salamander rod photoresponse. **2000**, 116, 795-824 122
- 451 Sir Alan Lloyd Hodgkin, O.M., K.B.E. 5 February 1914 [20] December 1998. **2000**, 46, 219-241 5
- 450 Constraining the subunit order of rod cyclic nucleotide-gated channels reveals a diagonal arrangement of like subunits. **2000**, 97, 895-900 36
- 449 Mutating three residues in the bovine rod cyclic nucleotide-activated channel can switch a nucleotide from inactive to active. **2000**, 78, 2321-33 10
- 448 Lipid metabolism in vertebrate retinal rod outer segments. **2000**, 39, 315-91 100
- 447 Median eminence nitric oxide signaling. **2000**, 34, 27-41 45
- 446 The gain of rod phototransduction: reconciliation of biochemical and electrophysiological measurements. **2000**, 27, 525-37 159
- 445 Pharmacology of Ionic Channel Function: Activators and Inhibitors. *Handbook of Experimental Pharmacology*, **2000**, 3-2
- 444 Cooperativity and cooperation in cyclic nucleotide-gated ion channels. **2000**, 39, 14003-11 39
- 443 Intracellular Ca(2+) changes induced by in vitro ischemia in rat retinal slices. **2001**, 73, 365-74 17
- 442 Probing the interactions between cAMP and cGMP in cyclic nucleotide-gated channels using covalently tethered ligands. **2001**, 40, 286-95 13
- 441 A functioning chimera of the cyclic nucleotide-binding domain from the bovine retinal rod ion channel and the DNA-binding domain from catabolite gene-activating protein. **2001**, 40, 7464-73 18
- 440 Adaptation in vertebrate photoreceptors. **2001**, 81, 117-151 458
- 439 Electrophysiological characteristics of rat gustatory cyclic nucleotide-gated channel expressed in *Xenopus* oocytes. **2001**, 85, 2335-49 9

438	Contribution of amiloride-insensitive pathways to alveolar fluid clearance in adult rats. 2001 , 90, 1489-96	47
437	Expression of cGMP-specific phosphodiesterase 9A mRNA in the rat brain. 2001 , 21, 9068-76	96
436	A cGMP-gated channel subunit in <i>Limulus</i> photoreceptors. 2001 , 18, 517-26	8
435	Evaluation of the contributions of recoverin and GCAPs to rod photoreceptor light adaptation and recovery to the dark state. 2001 , 131, 395-405	17
434	Chapter 51 Retinal ganglion cells, glaucoma and neuroprotection. 2001 , 131, 713-718	4
433	Cyclic Nucleotide-gated Ion Channels. 2001 ,	
432	Visual Cascade. 2001 ,	
431	Involvement of Ca ²⁺ -activated K ⁺ channels in ginsenosides-induced aortic relaxation in rats. 2001 , 37, 41-7	43
430	Reconstituted Ion Channels of Frog Fungiform Papilla Cell Membrane. 2001 , 18, 299-307	1
429	Developmentally regulated expression of a cyclic nucleotide-gated ion channel from <i>Arabidopsis</i> indicates its involvement in programmed cell death. 2001 , 213, 327-32	60
428	Cyclic nucleotide-gated channels: shedding light on the opening of a channel pore. 2001 , 2, 643-51	64
427	Visual transduction in <i>Drosophila</i> . <i>Nature</i> , 2001 , 413, 186-93	50.4 406
426	Re-evaluating the Na ⁽⁺⁾ conductance of adult rat alveolar type II pneumocytes: evidence for the involvement of cGMP-activated cation channels. <i>Journal of Physiology</i> , 2001 , 536, 693-701	3.9 38
425	Nitric oxide inhibition of cAMP synthesis in parotid acini: regulation of type 5/6 adenylyl cyclase. 2001 , 13, 755-63	9
424	PHOTOTRANSDUCTION IN RETINAL RODS AND CONES. 2001 ,	1
423	PATCH-CLAMPING SOLITARY VISUAL CELLS TO UNDERSTAND THE CELLULAR MECHANISMS OF INVERTEBRATE PHOTOTRANSDUCTION. 2001 ,	1
422	Efficient coupling of ligand binding to channel opening by the binding domain of a modulatory (beta) subunit of the olfactory cyclic nucleotide-gated channel. 2001 , 118, 523-46	12
421	Rethinking the role of phosducin: light-regulated binding of phosducin to 14-3-3 in rod inner segments. 2001 , 98, 4693-8	36

420	Evidence for a spontaneous nitric oxide release from the rat median eminence: influence on gonadotropin-releasing hormone release. 2001 , 142, 2343-50	45
419	cAMP modulates the excitability of immortalized H=hypothalamic (GT1) neurons via a cyclic nucleotide gated channel. 2001 , 15, 997-1009	31
418	Activation, deactivation, and adaptation in vertebrate photoreceptor cells. 2001 , 24, 779-805	324
417	G proteins and phototransduction. 2002 , 64, 153-87	508
416	Mechanism of calcium/calmodulin inhibition of rod cyclic nucleotide-gated channels. 2002 , 99, 8424-9	52
415	Light-dependent K(+) channels in the mollusc Onchidium simple photoreceptors are opened by cGMP. 2002 , 120, 581-97	21
414	The Retinal Müller Cell. 2002 ,	1
413	Lung epithelial fluid transport and the resolution of pulmonary edema. 2002 , 82, 569-600	602
412	Tuning outer segment Ca ²⁺ homeostasis to phototransduction in rods and cones. 2002 , 514, 179-203	46
411	Expression of the receptor guanylyl cyclase C and its ligands in reproductive tissues of the rat: a potential role for a novel signaling pathway in the epididymis. 2002 , 67, 1975-80	28
410	Rhodopsin and Retinitis Pigmentosa: Shedding Light on Structure and Function. 2002 , 8, 33-50	3
409	Cyclic nucleotide-gated ion channels. 2002 , 82, 769-824	930
408	Calcium and phototransduction. 2002 , 514, 1-20	30
407	G proteins and olfactory signal transduction. 2002 , 64, 189-222	136
406	Pore topology of the hyperpolarization-activated cyclic nucleotide-gated channel from sea urchin sperm. 2002 , 83, 1953-64	15
405	An intersubunit interaction regulates trafficking of rod cyclic nucleotide-gated channels and is disrupted in an inherited form of blindness. 2002 , 34, 197-207	60
404	Multimerization of the ligand binding domains of cyclic nucleotide-gated channels. 2002 , 36, 93-103	32
403	Dynamics of cyclic GMP synthesis in retinal rods. 2002 , 36, 81-91	183

402	A mechanogated nonselective cation channel in proximal tubule that is ATP sensitive. 2002 , 283, F93-F104	17
401	Effects of axotomy on the expression of NADPH-diaphorase in the visual pathway of the tench. 2002 , 925, 183-94	5
400	Viagra (sildenafil citrate) and ophthalmology. 2002 , 21, 485-506	104
399	Light-induced changes in glutamate release from isolated rat retina is regulated by cyclic guanosine monophosphate. 2002 , 67, 149-55	11
398	Review article: cyclic AMP sensors in living cells: what signals can they actually measure?. 2002 , 30, 1088-99	58
397	Molecular architecture of a retinal cGMP-gated channel: the arrangement of the cytoplasmic domains. <i>EMBO Journal</i> , 2002 , 21, 2087-94	13 36
396	Atypical relaxation by scorpion venom in the lamb urethral smooth muscle involves both NO-dependent and -independent responses. 2003 , 368, 151-9	7
395	Expression of olfactory-type cyclic nucleotide-gated channel (CNGA2) in vascular tissues. 2003 , 120, 475-81	25
394	A multiply charged tetracaine derivative blocks cyclic nucleotide-gated channels at subnanomolar concentrations. 2003 , 42, 265-70	11
393	Retinal Proteins. 2003 , 756-792	1
392	Two distinct calcium-calmodulin interactions with N-terminal regions of the olfactory and rod cyclic nucleotide-gated channels characterized by NMR spectroscopy. 2003 , 548, 11-6	7
391	A simulation analysis on mechanisms of damped oscillation in retinal rod photoreceptor cells. 2003 , 43, 2019-28	7
390	Cyclic nucleotide-gated ion channels. 2003 , 19, 23-44	189
389	Diversity of visual pigments from the viewpoint of G protein activation--comparison with other G protein-coupled receptors. 2003 , 2, 1237-46	19
388	A cysteine scan of the inner vestibule of cyclic nucleotide-gated channels reveals architecture and rearrangement of the pore. 2003 , 121, 563-82	38
387	cGMP/protein kinase G-dependent potentiation of glutamatergic transmission induced by nitric oxide in immature rat rostral ventrolateral medulla neurons in vitro. 2003 , 64, 521-32	56
386	Influence of permeant ions on gating in cyclic nucleotide-gated channels. 2003 , 121, 61-72	15
385	Antagonistic modulation of a hyperpolarization-activated Cl(-) current in Aplysia sensory neurons by SCP(B) and FMRFamide. 2003 , 90, 586-98	15

384	Genetic Approaches to Visual Transduction in <i>Drosophila melanogaster</i> . 2003 , 9, 149-167	10
383	Pharmacological strategies to block rod photoreceptor apoptosis caused by calcium overload: a mechanistic target-site approach to neuroprotection. 2003 , 13 Suppl 3, S44-56	44
382	. 2004 ,	2
381	Salt bridges and gating in the COOH-terminal region of HCN2 and CNGA1 channels. 2004 , 124, 663-77	114
380	Localized effects of cAMP mediated by distinct routes of protein kinase A. 2004 , 84, 137-67	587
379	Functional role of lipid raft microdomains in cyclic nucleotide-gated channel activation. 2004 , 65, 503-11	71
378	Dynamics of Ca ²⁺ -calmodulin-dependent inhibition of rod cyclic nucleotide-gated channels measured by patch-clamp fluorometry. 2004 , 124, 211-23	40
377	Retinitis pigmentosa: understanding the clinical presentation, mechanisms and treatment options. 2004 , 87, 65-80	69
376	Stimulation of guanylate cyclase in rat parotid membranes by phosphate. 2004 , 92, 9-13	3
375	A new putative cyclic nucleotide-gated channel gene, <i>cng-3</i> , is critical for thermotolerance in <i>Caenorhabditis elegans</i> . 2004 , 325, 525-31	29
374	Modulation of synaptic function by cGMP and cGMP-gated cation channels. 2004 , 45, 875-84	39
373	Reciprocal modulation of calcium dynamics at rod and cone photoreceptor synapses by nitric oxide. 2004 , 92, 477-83	38
372	Cyclic nucleotide-gated channels: multiple isoforms, multiple roles. 2004 , 251-267	1
371	Excessive activation of cyclic nucleotide-gated channels contributes to neuronal degeneration of photoreceptors. 2005 , 22, 1013-22	39
370	Inverted photocurrent responses from amphibian rod photoreceptors: role of membrane voltage in response recovery. <i>Journal of Physiology</i> , 2005 , 566, 455-66	3.9 4
369	The effects of intracerebroventricular application of 8-Br-cGMP and LY-83,583, a guanylyl cyclase inhibitor, on sleep-wake activity in rats. 2005 , 1049, 25-33	8
368	Vertebrate Olfactory Signal Transduction and the Interplay of Excitatory Anionic and Cationic Currents. 2005 , 99-134	
367	Molecular properties of mammalian proteins that interact with cGMP: protein kinases, cation channels, phosphodiesterases, and multi-drug anion transporters. 2005 , 10, 2097-117	45

366	Voltage-gated channels and calcium homeostasis in mammalian rod photoreceptors. 2005 , 93, 1468-75	40
365	Cyclic AMP cascade mediates the inhibitory odor response of isolated toad olfactory receptor neurons. 2005 , 94, 1781-8	11
364	PKA-dependent and PKA-independent pathways for cAMP-regulated exocytosis. 2005 , 85, 1303-42	447
363	The carboxyl-terminal region of cyclic nucleotide-modulated channels is a gating ring, not a permeation path. 2005 , 102, 2742-7	46
362	On the gating mechanisms of the light-dependent conductance in Pecten hyperpolarizing photoreceptors: does light remove inactivation in voltage-dependent K channels?. 2005 , 125, 455-64	4
361	Reviews of Physiology, Biochemistry and Pharmacology. 2005 ,	
360	Modifications to the tetracaine scaffold produce cyclic nucleotide-gated channel blockers with widely varying efficacies. 2005 , 48, 5805-12	10
359	Beyond counting photons: trials and trends in vertebrate visual transduction. 2005 , 48, 387-401	206
358	The vertebrate phototransduction cascade: amplification and termination mechanisms. 2005 , 154, 101-21	37
357	Locking CNGA1 channels in the open and closed state. 2006 , 90, 3599-607	17
356	Olfactory and gustatory disturbances caused by digitalism: a case report. 2006 , 33, 465-9	8
355	Cyclic nucleotide-gated ion channels in sensory transduction. 2006 , 580, 2853-9	77
354	Phénomènes chimiques de la vision et transmission synaptique de la rétine. 2006 , 3, 1-11	1
353	Visual Cascade. 2006 ,	
352	Structure and Function of Rod Photoreceptors. 2006 , 153-170	0
351	Origin of functional diversity among tetrameric voltage-gated channels. 2007 , 66, 136-46	13
350	The light-activated signaling pathway in SCN-projecting rat retinal ganglion cells. 2006 , 23, 2477-87	98
349	Longitudinal Diffusion of a Polar Tracer in the Outer Segments of Rod Photoreceptors from Different Species[] 2006 , 82, 1447-1451	6

348	Calcium-dependent interaction of transducin with calmodulin Sepharose. 2006 , 51, 721-725	1
347	ION CHANNELS. 2006 , 147, S99-S125	78
346	Transducin subunit stoichiometry and cellular distribution in rod outer segments. 2006 , 30, 829-35	9
345	Sildenafil induces hyperalgesia via activation of the NO-cGMP pathway in the rat neuropathic pain model. 2006 , 14, 22-7	13
344	Why photoreceptors die (and why they don't). 2006 , 28, 344-54	79
343	Differential modification of phosphodiesterase protein in degenerating rd1 retina is associated with constitutively active Ca ²⁺ /calmodulin kinase II in rod outer segments. 2006 , 5, 324-36	46
342	The pharmacology of cyclic nucleotide-gated channels: emerging from the darkness. 2006 , 12, 3597-613	46
341	CNGB3 achromatopsia with progressive loss of residual cone function and impaired rod-mediated function. 2007 , 48, 3864-71	79
340	Somatostatin peptides produce multiple effects on gating properties of native cone photoreceptor cGMP-gated channels that depend on circadian phase and previous illumination. 2007 , 27, 12168-75	12
339	The transduction channel TRPM5 is gated by intracellular calcium in taste cells. 2007 , 27, 5777-86	150
338	Alveolar epithelial transport in the adult lung. 2007 , 159, 283-300	46
337	Novel N7- and N1-substituted cGMP derivatives are potent activators of cyclic nucleotide-gated channels. 2007 , 50, 4186-94	15
336	Capturing cyclic nucleotides in action: snapshots from crystallographic studies. 2007 , 8, 63-73	164
335	Ion Channels. 2007 , 150, S96-S121	2
334	Light exposure causes functional changes in the retina: increased photoreceptor cation channel permeability, photoreceptor apoptosis, and altered retinal metabolic function. 2007 , 103, 714-24	21
333	NO-cGMP signaling and regenerative medicine involving stem cells. 2007 , 32, 681-94	89
332	A comparison of electrophysiological properties of the CNGA1, CNGA1tandem and CNGA1cys-free channels. 2008 , 37, 947-59	7
331	Optics: light reined in. <i>Nature</i> , 2008 , 452, 942-4	50.4 1

330	Neuroscience: current views on odour receptors. <i>Nature</i> , 2008 , 452, 944	50.4	8
329	Functional role of cyclic nucleotide-gated channels in rat medial vestibular nucleus neurons. <i>Journal of Physiology</i> , 2008 , 586, 803-15	3.9	26
328	Ion Channels. 2008 , 153, S112-S145		15
327	Rhodopsin regeneration is accelerated via noncovalent 11-cis retinal-opsin complex--a role of retinal binding pocket of opsin. 2008 , 84, 985-9		7
326	Identification of a functionally essential amino acid for Arabidopsis cyclic nucleotide gated ion channels using the chimeric AtCNGC11/12 gene. 2008 , 56, 457-69		39
325	Simple photoreceptors in some invertebrates: physiological properties of a new photosensory modality. 2008 , 1225, 3-16		18
324	Rod and cone photoreceptors: molecular basis of the difference in their physiology. 2008 , 150, 369-77		109
323	Sensing with Ion Channels. 2008 ,		2
322	Distribution of the A3 subunit of the cyclic nucleotide-gated ion channels in the main olfactory bulb of the rat. 2008 , 153, 1164-76		5
321	Olfactory cilia: our direct neuronal connection to the external world. 2008 , 85, 333-70		51
320	Gating at the selectivity filter in cyclic nucleotide-gated channels. 2008 , 105, 3310-4		66
319	Kinetics of turn-offs of frog rod phototransduction cascade. 2008 , 132, 587-604		15
318	How vision begins: an odyssey. 2008 , 105, 9855-62		131
317	Phototransduction in Rods and Cones. 2008 , 269-301		8
316	Light regulation of Ca ²⁺ in the cone photoreceptor synaptic terminal. 2008 , 25, 693-700		26
315	Cyclic nucleotide-gated channels: a familiar channel family with a new function?. 2008 , 4, 505-15		5
314	Olfactory Cyclic Nucleotide-Gated Ion Channels. 2008 , 511-526		
313	Photoreceptors: Physiology. 2009 , 677-686		1

312	Neurobiophysics. 2009 ,		
311	Rhodopsin-mediated retinitis pigmentosa. <i>Progress in Molecular Biology and Translational Science</i> , 2009 , 88, 1-31	4	29
310	Low-conductance HCN1 ion channels augment the frequency response of rod and cone photoreceptors. 2009 , 29, 5841-53		56
309	Melanopsin-mediated light-sensing in amphioxus: a glimpse of the microvillar photoreceptor lineage within the deuterostomia. 2009 , 2, 441-3		11
308	Bimodal agonism in heteromeric cyclic nucleotide-gated channels. 2009 , 3, 427-36		2
307	The analysis of desensitizing CNGA1 channels reveals molecular interactions essential for normal gating. 2009 , 133, 375-86		15
306	Absence of direct cyclic nucleotide modulation of mEAG1 and hERG1 channels revealed with fluorescence and electrophysiological methods. <i>Journal of Biological Chemistry</i> , 2009 , 284, 27989-27997 ⁵⁻⁴		77
305	A new photosensory function for simple photoreceptors, the intrinsically photoresponsive neurons of the sea slug onchidium. 2009 , 3, 18		10
304	Movements of native C505 during channel gating in CNGA1 channels. 2009 , 38, 465-78		5
303	Conformational rearrangements in the S6 domain and C-linker during gating in CNGA1 channels. 2009 , 38, 993-1002		11
302	Role of cyclic nucleotides in the control of cytosolic Ca ²⁺ levels in vascular endothelial cells. 2009 , 36, 857-66		7
301	ION CHANNELS. 2009 , 158, S123-S155		1
300	A short history of cGMP, guanylyl cyclases, and cGMP-dependent protein kinases. <i>Handbook of Experimental Pharmacology</i> , 2009 , 1-14	3.2	58
299	Signaling in Plants. 2009 ,		1
298	Physiological Roles of Cyclic Nucleotide Gated Channels in Plants. 2009 , 91-106		10
297	Maximizing contrast resolution in the outer retina of mammals. 2010 , 103, 57-77		7
296	Involvement of rhodopsin and ATP in the activation of membranous guanylate cyclase in retinal photoreceptor outer segments (ROS-GC) by GC-activating proteins (GCAPs): a new model for ROS-GC activation and its link to retinal diseases. 2010 , 334, 125-39		9
295	Membrane guanylate cyclase is a beautiful signal transduction machine: overview. 2010 , 334, 3-36		32

294	Purification of a complex of transducin β subunits from isotonic extracts of bovine retinal rod outer segments. 2010 , 55, 908-910		2
293	Light to sight: milestones in phototransduction. 2010 , 24, 970-5		10
292	Importance of the alphaC-helix in the cyclic nucleotide binding domain for the stable channel regulation and function of cyclic nucleotide gated ion channels in Arabidopsis. 2010 , 61, 2383-93		21
291	Modeling of the phototransduction cascade in vertebrate rod photoreceptor. 2010 ,		1
290	Calmodulin binding to Arabidopsis cyclic nucleotide gated ion channels. 2010 , 5, 1147-9		8
289	Differential distribution of exchange proteins directly activated by cyclic AMP within the adult rat retina. 2010 , 165, 955-67		19
288	Cyclic nucleotide-gated channel block by hydrolysis-resistant tetracaine derivatives. 2011 , 54, 4904-12		6
287	Cyclic Nucleotides and Nucleotide Cyclases in Plant Stress Responses. 2011 ,		6
286	Neurons controlling Aplysia feeding inhibit themselves by continuous NO production. <i>PLoS ONE</i> , 2011 , 6, e17779	3.7	16
285	Guide to Receptors and Channels (GRAC), 5th edition. 2011 , 164 Suppl 1, S1-324		702
284	Consultants. 2011 , 164, S3-S3		7
283	G PROTEIN-COUPLED RECEPTORS. 2011 , 164, S5-S113		14
282	LIGAND-GATED ION CHANNELS. 2011 , 164, S115-S135		5
281	ION CHANNELS. 2011 , 164, S137-S174		9
280	NUCLEAR RECEPTORS. 2011 , 164, S175-S188		78
279	CATALYTIC RECEPTORS. 2011 , 164, S189-S212		1
278	TRANSPORTERS. 2011 , 164, S213-S278		2
277	ENZYMES. 2011 , 164, S279-S324		2

276	Differences between and within human parotid saliva and nasal mucus cAMP and cGMP in normal subjects and in patients with taste and smell dysfunction. 2011 , 40, 504-9		5
275	Fifty years of dark adaptation 1961-2011. 2011 , 51, 2243-62		52
274	Halogen substituents on the aromatic moiety of the tetracaine scaffold improve potency of cyclic nucleotide-gated channel block. 2011 , 21, 6417-9		
273	Focus on vision: 3 decades of remarkable contributions to biology and medicine. 2011 , 25, 439-43		3
272	cGMP Signaling, Phosphodiesterases and Major Depressive Disorder. 2011 , 9, 715-27		43
271	cAMP controls rod photoreceptor sensitivity via multiple targets in the phototransduction cascade. 2012 , 140, 421-33		18
270	Exploring light and life. <i>Journal of Biological Chemistry</i> , 2012 , 287, 15164-73	5-4	16
269	Encyclopedia of Signaling Molecules. 2012 , 1488-1488		
268	Speed, sensitivity, and stability of the light response in rod and cone photoreceptors: facts and models. 2012 , 31, 442-66		74
267	Physical aspects of medical science. 2012 , 28, S26-32		
266	Cyclic Nucleotide-Gated Ion Channels. 2012 , 621-632		
265	Melanopsin-expressing amphioxus photoreceptors transduce light via a phospholipase C signaling cascade. <i>PLoS ONE</i> , 2012 , 7, e29813	3-7	11
264	Unknown Mechanisms Regulating the GPCR Signal Cascade in Vertebrate Photoreceptors. 2012 , 42, 180-192		2
263	Cell- and subunit-specific mechanisms of CNG channel ciliary trafficking and localization in <i>C. elegans</i> . 2013 , 126, 4381-95		24
262	Structure and Function of Rod and Cone Photoreceptors. 2013 , 342-359		1
261	A suppressor screen of the chimeric AtCNGC11/12 reveals residues important for intersubunit interactions of cyclic nucleotide-gated ion channels. 2013 , 162, 1681-93		12
260	CNGA3 achromatopsia-associated mutation potentiates the phosphoinositide sensitivity of cone photoreceptor CNG channels by altering intersubunit interactions. 2013 , 305, C147-59		9
259	Biophysical techniques for detection of cAMP and cGMP in living cells. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 8025-46	6-3	60

258	The Concise Guide to PHARMACOLOGY 2013/14: ion channels. 2013 , 170, 1607-51		221
257	Membrane protein transport in photoreceptors: the function of PDE—the Proctor lecture. 2014 , 55, 8653-66		33
256	Activation of bovine retinal rod outer segment cGMP-specific phosphodiesterase by the transducin-GTP complex in a physiologically significant range of free calcium ion concentrations. 2014 , 59, 694-699		2
255	Discovering electrophysiology in photobiology: A brief overview of several photobiological processes with an emphasis on electrophysiology. 2014 , 7, e28423		2
254	G Protein Signaling Mechanisms in the Retina. 2014 ,		
253	The phosphorylation state of transducin beta-subunits. 2014 , 59, 681-684		1
252	The evolution of vision. 2014 , 3, 1-40		76
251	New perspectives in cyclic nucleotide-mediated functions in the CNS: the emerging role of cyclic nucleotide-gated (CNG) channels. 2014 , 466, 1241-57		30
250	KCNQ Channels. 2015 , 295-326		2
249	cGMP in mouse rods: the spatiotemporal dynamics underlying single photon responses. 2015 , 8, 6		16
248	Evaluating letter recognition, flicker fusion, and the Talbot-Plateau law using microsecond-duration flashes. <i>PLoS ONE</i> , 2015 , 10, e0123458	3-7	5
247	Larry Cohen-50 ways to DYE your science. 2015 , 2, 021004		
246	Structural implications of weak Ca ²⁺ block in Drosophila cyclic nucleotide-gated channels. 2015 , 146, 255-63		1
245	Pulmonary epithelial barrier function: some new players and mechanisms. 2015 , 308, L731-45		84
244	Activation of the bovine retinal rod outer segment cGMP-specific phosphodiesterase by the transducin-GTP[S] complex in a physiologically significant range of free calcium ion concentrations. 2015 , 9, 61-63		
243	The phototransduction machinery in the rod outer segment has a strong efficacy gradient. 2015 , 112, E2715-24		18
242	RGS Protein Regulation of Phototransduction. <i>Progress in Molecular Biology and Translational Science</i> , 2015 , 133, 31-45	4	6
241	The how and why of identifying the hair cell mechano-electrical transduction channel. 2015 , 467, 73-84		12

240	Genomic characterization, phylogenetic comparison and differential expression of the cyclic nucleotide-gated channels gene family in pear (<i>Pyrus bretschneideri</i> Rehd.). 2015 , 105, 39-52		34
239	Paul Fatt. 13 January 1924 – 8 September 2014. 2016 , 62, 167-186		2
238	Integrative Signaling Networks of Membrane Guanylate Cyclases: Biochemistry and Physiology. 2016 , 9, 83		13
237	Molecular Physiology of Membrane Guanylyl Cyclase Receptors. 2016 , 96, 751-804		182
236	Regulation of CNGA1 Channel Gating by Interactions with the Membrane. <i>Journal of Biological Chemistry</i> , 2016 , 291, 9939-47	5-4	17
235	Transducin-activated cGMP-specific phosphodiesterase of external segments of bovine retinal rods: The influence of magnesium ions. 2016 , 61, 877-879		1
234	Modeling of phototransduction processes in the photoreceptor disk membranes by the Monte Carlo method. 2016 , 61, 931-935		
233	Ion Channels in the Eye: Involvement in Ocular Pathologies. 2016 , 104, 157-231		15
232	Structure of a eukaryotic cyclic-nucleotide-gated channel. <i>Nature</i> , 2017 , 542, 60-65	50-4	85
231	Illuminating Cyclic Nucleotides: Sensors for cAMP and cGMP and Their Application in Live Cell Imaging. 2017 , 97, 109-128		3
230	Separation of photoreceptor cell compartments in mouse retina for protein analysis. 2017 , 12, 28		2
229	Zerumbone Alleviates Neuropathic Pain through the Involvement of l-Arginine-Nitric Oxide-cGMP-K ⁺ ATP Channel Pathways in Chronic Constriction Injury in Mice Model. 2017 , 22,		15
228	Factors and pathways involved in capacitation: how are they regulated?. 2017 , 8, 3600-3627		55
227	The discovery of the ability of rod photoreceptors to signal single photons. 2018 , 150, 383-388		11
226	From molecules to patients: exploring the therapeutic role of soluble guanylate cyclase stimulators. 2018 , 399, 679-690		36
225	Encyclopedia of Signaling Molecules. 2018 , 3766-3766		
224	Encyclopedia of Signaling Molecules. 2018 , 3785-3785		
223	Encyclopedia of Signaling Molecules. 2018 , 3803-3803		

- 222 Encyclopedia of Signaling Molecules. **2018**, 4023-4023
- 221 Encyclopedia of Signaling Molecules. **2018**, 4111-4111
- 220 Encyclopedia of Signaling Molecules. **2018**, 4216-4216
- 219 Encyclopedia of Signaling Molecules. **2018**, 4323-4323
- 218 Encyclopedia of Signaling Molecules. **2018**, 4323-4323
- 217 Encyclopedia of Signaling Molecules. **2018**, 4287-4294
- 216 Structural insights into the mechanisms of CNBD channel function. **2018**, 150, 225-244 51
- 215 Integration of Plasticity Mechanisms within a Single Sensory Neuron of *C. elegans* Actuates a Memory. **2018**, 97, 356-367.e4 48
- 214 Guanylate cyclase-activating protein 2 contributes to phototransduction and light adaptation in mouse cone photoreceptors. *Journal of Biological Chemistry*, **2018**, 293, 7457-7465 5-4 13
- 213 The regulatory role of the kinase-homology domain in receptor guanylyl cyclases: nothing 'pseudo' about it!. **2018**, 46, 1729-1742 6
- 212 Dynamic rearrangement of the intrinsic ligand regulates KCNH potassium channels. **2018**, 150, 625-635 19
- 211 Investigating the Ca-dependent and Ca-independent mechanisms for mammalian cone light adaptation. **2018**, 8, 15864 5
- 210 Artificial Shape Perception Retina Network Based on Tunable Memristive Neurons. **2018**, 8, 13727 23
- 209 A Cyclic Nucleotide-Gated Channel, HvcNGC2-3, Is Activated by the Co-Presence of Na⁺ and K⁺ and Permeable to Na⁺ and K⁺ Non-Selectively. **2018**, 7, 10
- 208 Adenylate Cyclases of , Environmental Sensors and Controllers of Host Innate Immune Response. **2018**, 7, 9
- 207 Regulation of calcium homeostasis in the outer segments of rod and cone photoreceptors. **2018**, 67, 87-101 33
- 206 Revisiting and Redesigning Light-Activated Cyclic-Mononucleotide Phosphodiesterases. **2019**, 431, 3029-3045 14
- 205 Electrophysiological Changes During Early Steps of Retinitis Pigmentosa. **2019**, 60, 933-943 5

204	The Role of Photon Statistics in Visual Perception. 2019 , 207-237		
203	Adaptive Optics Retinal Imaging in CNGA3-Associated Achromatopsia: Retinal Characterization, Interocular Symmetry, and Intrafamilial Variability. 2019 , 60, 383-396		32
202	Targeting Cyclic AMP Signalling in Hepatocellular Carcinoma. 2019 , 8,		17
201	Characterization and engineering of photoactivated adenylyl cyclases. 2019 , 400, 429-441		15
200	A cyclic nucleotide-gated channel in the brain regulates olfactory modulation through neuropeptide F in fruit fly <i>Drosophila melanogaster</i> . 2020 , 103, e21620		3
199	Sensing through Non-Sensing Ocular Ion Channels. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
198	The cGMP system in normal and degenerating mouse neuroretina: New proteins with cGMP interaction potential identified by a proteomics approach. 2021 , 157, 2173-2186		3
197	Allosteric conformational change of a cyclic nucleotide-gated ion channel revealed by DEER spectroscopy. 2020 , 117, 10839-10847		15
196	Mechanism of ligand activation of a eukaryotic cyclic nucleotide-gated channel. <i>Nature Structural and Molecular Biology</i> , 2020 , 27, 625-634	17.6	22
195	The basics of mitochondrial cAMP signalling: Where, when, why. 2021 , 93, 102320		3
194	Subcellular Organization of the cAMP Signaling Pathway. 2021 , 73, 278-309		37
193	Progressive and Stationary Disorders of Cone Function: Cone and Cone-Rod Dystrophies and Cone Dysfunction Syndromes. 2021 , 1-29		
192	Transduction and Adaptation Mechanisms in the Cilium or Microvilli of Photoreceptors and Olfactory Receptors From Insects to Humans. 2021 , 15, 662453		3
191	HCN1 channels: A versatile tool for signal processing by primary sensory neurons. 2021 , 166, 133-146		0
190	Uncoupling proteins in the mitochondrial defense against oxidative stress. 2021 , 83, 100941		16
189	Electrophysiology of the Retina: Response to Stimulation and the Transduction Process. 1990 , 279-304		1
188	Vertebrate Photoreceptors. 1990 , 16-52		1
187	Molecular Components of Olfactory Reception and Transduction. 1988 , 25-50		8

186	The Complex of cGMP-Gated Channel and Na ⁺ /Ca ²⁺ +K ⁺ Exchanger in Rod Photoreceptors. 2002 , 253-274	5
185	Properties of Native and Cloned Cyclic Nucleotide Gated Channels from Bovine. 1996 , 75-83	3
184	ATP-activated channels in excitable cells. 1990 , 2, 169-203	63
183	Second Messengers in Invertebrate Phototransduction. 1990 , 27-45	7
182	Cation Selectivity of the cGMP-Gated Channel of Mammalian Rod Photoreceptors. 1990 , 169-173	4
181	The Effect of pH on the Cyclic GMP-Activated Conductance in Retinal Rods. 1990 , 175-181	5
180	Regulation of ionic channels by G proteins. 1991 , 308, 119-34	4
179	Effects of Intracellular Ca ²⁺ on the Frog Muscle Spindle in Relation to Cyclic AMP Action. 1988 , 195-199	2
178	Nonselective cation channels. 1993 , 66, 3-25	18
177	Cyclic nucleotide-gated nonselective cation channels: a multifunctional gene family. 1993 , 66, 121-33	8
176	Light-transduction in photoreceptors. 1995 , 57-133	1
175	Triggering and Amplification. 1986 , 401-430	1
174	Significance of Changes in Intracellular Ca ²⁺ for the Mechanism of Signal Transduction in Vertebrate Rod Cells. 1986 , 93-107	2
173	Phosphorylation of Rhodopsin Involved in Terminating the Visual Response. 1987 , 241-254	2
172	Molecular Properties of the cGMP-gated Cation Channel of Rod Photoreceptor Cells as Probed with Monoclonal Antibodies. 1992 , 180-194	1
171	Cyclic Nucleotide-gated Channels A Family of Proteins Involved in Vertebrate Photoreception and Olfaction. 1992 , 195-213	1
170	Interactions Between Calcium and cGMP in Dialyzed Detached Retinal Rod Outer Segments. 1992 , 217-235	2
169	Cyclic-GMP Phosphodiesterase in Photoreceptor Cells in Limulus Ventral Eye. 1992 , 271-280	2

168	Muscle Mechanoreceptors in Nonmammalian Vertebrates. 1992 , 261-280		1
167	Airway Smooth Muscle. <i>Handbook of Experimental Pharmacology</i> , 1994 , 405-444	3-2	3
166	Development and Application of Antibodies to Primary (DA, L-DOPA) and Secondary (cGMP) Messengers: A technical report. 1991 , 1-27		9
165	Modulation of K ⁺ Channels in Hippocampal Neurons: Transmitters Acting via Cyclic AMP Enhance the Excitability of Hippocampal Neurons Through Kinase-Dependent and -Independent Modulation of AHP- and h-Channels. 2000 , 78-92		5
164	Electrophysiological characteristics of retinal neurones: synaptic interactions and functional outputs. 1990 , 159-210		12
163	Phototransduction, excitation and adaptation. 1995 , 105-131		10
162	Membrane phospholipids and the dark side of vision. 1991 , 23, 133-46		16
161	MOLECULAR DYNAMICS OF THE ROD CELL. 1986 , 207-237		4
160	Transducin: a signaling switch regulated by guanine nucleotides. 1989 , 30, 171-202		23
159	Simultaneous Purification and Characterization of the cGMP-Gated Cation Channel and the Na ⁺ /Ca ²⁺ ,K ⁺ -Exchanger. 1993 , 15, 271-282		2
158	G Protein-Mediated Effects on Ionic Channels. 1990 , 241-266		2
157	Molecular Mechanisms of Vertebrate Olfaction: Implications for Pheromone Biochemistry. 1987 , 529-546		2
156	Photoresponses of Rods and Cones. 2011 , 411-428		2
155	The No Receptor. 1995 , 43-50		10
154	Cyclic GMP Receptor Proteins: Role in Nervous System and Other Tissues. 1995 , 51-81		5
153	A frog's eye view: Foundational revelations and future promises. 2020 , 106, 72-85		9
152	Transduction mechanisms of vertebrate and invertebrate photoreceptors.. <i>Journal of Biological Chemistry</i> , 1994 , 269, 14329-14332	5-4	225
151	cGMP influences guanine nucleotide binding to frog photoreceptor G-protein.. <i>Journal of Biological Chemistry</i> , 1986 , 261, 313-318	5-4	17

150	The cGMP-gated cation channel of bovine rod photoreceptor cells is associated with a 240-kDa protein exhibiting immunochemical cross-reactivity with spectrin.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 18690-18695	5-4	104
149	Molecular cloning and expression of cDNAs coding for soluble guanylate cyclase from rat lung.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 16841-16845	5-4	171
148	Regulation of cytosolic calcium by cAMP and cGMP in freshly isolated smooth muscle cells from bovine trachea.. <i>Journal of Biological Chemistry</i> , 1988 , 263, 16764-16771	5-4	112
147	Solubilization, purification, and reconstitution of the sodium-calcium exchanger from bovine retinal rod outer segments.. <i>Journal of Biological Chemistry</i> , 1988 , 263, 11382-11388	5-4	86
146	Receptor-operated calcium influx in rat hepatocytes. Identification and characterization using manganese.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 17486-17492	5-4	101
145	The cGMP phosphodiesterase-transducin complex of retinal rods. Membrane binding and subunits interactions.. <i>Journal of Biological Chemistry</i> , 1992 , 267, 19489-19493	5-4	46
144	Primary structure and chromosomal localization of human and mouse rod photoreceptor cGMP-gated cation channel.. <i>Journal of Biological Chemistry</i> , 1992 , 267, 6257-6262	5-4	88
143	Interaction of calmodulin with the cyclic GMP-gated channel of rod photoreceptor cells. Modulation of activity, affinity purification, and localization.. <i>Journal of Biological Chemistry</i> , 1994 , 269, 29765-29770	5-4	97
142	The cGMP-dependent channel of vertebrate rod photoreceptors exists in two forms of different cGMP sensitivity and pharmacological behavior.. <i>Journal of Biological Chemistry</i> , 1987 , 262, 14415-14421	5-4	8
141	The GTP-binding protein of rod outer segments. I. Role of each subunit in the GTP hydrolytic cycle.. <i>Journal of Biological Chemistry</i> , 1987 , 262, 9316-9323	5-4	46
140	The GTP-binding protein of rod outer segments. II. An essential role for Mg ²⁺ in signal amplification.. <i>Journal of Biological Chemistry</i> , 1987 , 262, 9324-9331	5-4	13
139	Antibodies against synthetic peptides used to determine the topology and site of glycosylation of the cGMP-gated channel from bovine rod photoreceptors.. <i>Journal of Biological Chemistry</i> , 1992 , 267, 644-648	5-4	74
138	The cGMP-gated channel of the rod photoreceptor cell characterization and orientation of the amino terminus.. <i>Journal of Biological Chemistry</i> , 1991 , 266, 21917-21922	5-4	110
137	cGMP suppresses GTPase activity of a portion of transducin equimolar to phosphodiesterase in frog rod outer segments. Light-induced cGMP decreases as a putative feedback mechanism of the photoresponse.. <i>Journal of Biological Chemistry</i> , 1991 , 266, 18530-18537	5-4	91
136	Identification of the retinal cyclic GMP phosphodiesterase inhibitory gamma-subunit interaction sites on the catalytic alpha-subunit.. <i>Journal of Biological Chemistry</i> , 1991 , 266, 16607-16613	5-4	18
135	A Soluble Form of Bovine Rod Photoreceptor Phosphodiesterase Has a Novel 15-kDa Subunit. <i>Journal of Biological Chemistry</i> , 1989 , 264, 12187-12193	5-4	63
134	Atrial Natriuretic Factor-induced Egression of Cyclic Guanosine 3':5'-Monophosphate in Cultured Vascular Smooth Muscle and Endothelial Cells. <i>Journal of Biological Chemistry</i> , 1989 , 264, 12364-12369	5-4	103
133	Rapid declines in cyclic GMP of rod outer segments of intact frog photoreceptors after illumination.. <i>Journal of Biological Chemistry</i> , 1986 , 261, 14142-14147	5-4	26

132	Chemical cross-linking of bovine retinal transducin and cGMP phosphodiesterase.. <i>Journal of Biological Chemistry</i> , 1988 , 263, 6916-6926	5-4	52
131	Changes in cGMP concentration correlate with some, but not all, aspects of the light-regulated conductance of frog rod photoreceptors.. <i>Journal of Biological Chemistry</i> , 1986 , 261, 12965-12975	5-4	18
130	Light-induced increases in cGMP metabolic flux correspond with electrical responses of photoreceptors.. <i>Journal of Biological Chemistry</i> , 1986 , 261, 13034-13042	5-4	62
129	Interaction of the β subunit of retinal rod outer segment phosphodiesterase with transducin. <i>Journal of Biological Chemistry</i> , 1989 , 264, 11671-11681	5-4	40
128	Stimulation of Protein Phosphorylations in frog Rod Outer Segments by Protein Kinase Activators. <i>Journal of Biological Chemistry</i> , 1989 , 264, 8857-8864	5-4	69
127	The Active-site Environment of Rhodopsin. <i>Journal of Biological Chemistry</i> , 1989 , 264, 6804-6809	5-4	4
126	The cGMP-gated Channel of Bovine Rod Photoreceptors Is Localized Exclusively in the Plasma Membrane. <i>Journal of Biological Chemistry</i> , 1989 , 264, 6996-6999	5-4	134
125	Visual excitation and recovery. <i>Journal of Biological Chemistry</i> , 1991 , 266, 10711-10714	5-4	393
124	Lectin Binding and Enzymatic Deglycosylation of the cGMP-Gated Channel from Bovine Rod Photoreceptors. <i>Journal of Biological Chemistry</i> , 1989 , 264, 20934-20939	5-4	53
123	Sites of interaction in the complex between beta- and gamma-subunits of transducin.. <i>Journal of Biological Chemistry</i> , 1990 , 265, 12995-12999	5-4	54
122	Characterization of transducin from bovine retinal rod outer segments. Use of monoclonal antibodies to probe the structure and function of the subunit.. <i>Journal of Biological Chemistry</i> , 1988 , 263, 489-496	5-4	41
121	Extensive homology between poly(A)-containing mRNA and purified nominal poly(A)-lacking mRNA in mouse kidney.. <i>Journal of Biological Chemistry</i> , 1981 , 256, 5104-5108	5-4	5
120	Regulation of retinal cGMP cascade by phosphodiesterase in bovine rod photoreceptor cells. Interaction of phosphodiesterase and transducin.. <i>Journal of Biological Chemistry</i> , 1992 , 267, 25104-25112	5-4	135
119	Solubilization and functional reconstitution of the cGMP-dependent cation channel from bovine rod outer segments.. <i>Journal of Biological Chemistry</i> , 1986 , 261, 17033-17039	5-4	58
118	Cyclic nucleotide gated channels. 1999 , 33, 231-50		17
117	Cyclic GMP and ion channel regulation. 1999 , 33, 251-77		20
116	A transmembrane guanylyl cyclase (DAF-11) and Hsp90 (DAF-21) regulate a common set of chemosensory behaviors in <i>Caenorhabditis elegans</i> . 2000 , 155, 85-104		273
115	Signal transduction: activation of the guanylate cyclase-cyclic guanosine-3'-5' monophosphate system by hormones and free radicals. 1997 , 314, 311-23		21

114	Optically Activated, Customizable, Excitable Cells - A Kuhl Platform for Evolving Next Gen Biosensors.		1
113	CNG and HCN channels: two peas, one pod. 2006 , 68, 375-401		320
112	Expression of the functional cone phototransduction cascade in retinoblastoma. 1990 , 85, 1872-8		24
111	Photoreceptor Phosphodiesterase (PDE6). 2006 ,		5
110	The role of calcium in stimulus-secretion coupling in excitable and non-excitable cells. 1988 , 139, 329-345		114
109	Functional and molecular characterization of rod-like cells from retinal stem cells derived from the adult ciliary epithelium. <i>PLoS ONE</i> , 2012 , 7, e33338	3-7	18
108	Diverse Regulation of Temperature Sensation by Trimeric G-Protein Signaling in <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2016 , 11, e0165518	3-7	11
107	Longitudinal diffusion of a polar tracer in the outer segments of rod photoreceptors from different species. 2006 , 82, 1447-51		7
106	New Omics-Derived Perspectives on Retinal Dystrophies: Could Ion Channels-Encoding or Related Genes Act as Modifier of Pathological Phenotype?. <i>International Journal of Molecular Sciences</i> , 2020 , 22,	6-3	23
105	Alteration in Cngb1 Expression upon Maternal Immune Activation in a Mouse Model and Its Possible Association with Schizophrenia Susceptibility. 2021 , 19, 618-627		
104	Cyclic Nucleotide-Gated Ion Channels. 2001 , 795-806		
103	S-Nitrosylation of Cyclic Nucleotide-Gated Channels. 2004 , 169-183		
102	Cyclic nucleotide-gated channels. 2006 , S110-S110		
101	Cyclic GMP-gated channel and peripherin/rds-rom-1 complex of rod cells. 1999 , 224, 249-61; discussion 261-4		7
100	Biophysics of CNG Ion Channels. 2008 , 175-200		
99	Cyclic Nucleotide-gated Ion Channels.		
98	Cyclic nucleotide-gated channels. 2009 , 158, S136-S136		78
97	Nitric Oxide Pathways in Toxic Responses.		1

- 96 Phototransduction in Rods and Cones. **2014**, 23-45 1
- 95 Introduction: G-Protein Signaling in the Retina. **2014**, 1-5
- 94 Activation and Deactivation of the Cyclic Nucleotide Enzyme Cascade in Visual Rod Cells. **1985**, 76-87 1
- 93 Polyphosphoinositide Breakdown without Calcium Mobilization: Studies with Adrenal Chromaffin Cells and Retina. **1986**, 1-8
- 92 Evaluation of Rod Internal Transmitter Candidates: Cyclic GMP. **1986**, 109-125
- 91 STRUCTURE OF TRANSDUCIN AND ITS RELATIONSHIP TO CELLULAR GUANINE NUCLEOTIDE-BINDING PROTEINS. **1986**, 415-429
- 90 Evaluation of Internal Transmitter Candidates: Ca. **1986**, 79-92
- 89 Internal Messengers. **1986**, 431-450
- 88 Light-sensitive Channels, Pumps, and Carriers. **1986**, 451-466
- 87 Adaptation. **1986**, 467-488
- 86 Introduction. **1986**, 1-10 1
- 85 Cyclic nucleotide-dependent phosphorylation of proteins in rod outer segments in frog retina. Characteristics of the phosphorylated proteins and their dephosphorylation.. *Journal of Biological Chemistry*, **1986**, 261, 216-223 5-4 7
- 84 Gesichtssinn. **1987**, 249-290
- 83 A model of the light dependent regulation of retinal rod phosphodiesterase, guanylate cyclase and the cation flux. **1987**, 221, 107-21
- 82 Molecular basis of vision. **1987**, 279-292
- 81 Calcium in Photoreceptors. **1988**, 103-118
- 80 References. **1988**, 353-427
- 79 Neurotransmitter-Induced Regulation of Voltage-Dependent Calcium Current in Identified Snail Neurons. **1988**, 271-288

- 78 Muscarinic Receptor Regulation of Cyclic GMP and Eicosanoid Production. **1989**, 309-339 1
- 77 The Supply of Omega-3 Polyunsaturated Fatty Acids to Photoreceptors and Synapses. **1989**, 227-239
- 76 Regulation of Ion Channels. **1989**, 126-131
- 75 The Sense of Sight. **1989**, 237-276
- 74 Visual Phototransduction: Biochemical Aspects. **1989**, 165-171
- 73 Molecular mechanism of visual transduction. **1989**, 1-12
- 72 The Cytosolic Concentration of Free Ca²⁺ in Vertebrate Rod Outer Segments. **1990**, 183-191
- 71 The control of photoreceptor sensitivity. **1990**, 1, 109-120 1
- 70 Guanylate Cyclase of Retinal Rod Outer Segment. **1990**, 139-145
- 69 Functional Aspects of the cGMP-Activated Channel from Bovine Rod Outer Segments. **1990**, 59-73
- 68 Control of Intracellular Calcium in Vertebrate Photoreceptors. **1990**, 193-203 1
- 67 Light Adaptation in Retinal Rods of the Newt. **1990**, 205-226
- 66 Electrophysiological Studies on Chemoreceptive Neurons in Crustacea. **1990**, 41-48 1
- 65 INTRACELLULAR MECHANISM OF NEUROTRANSMITTER-INDUCED MODULATIONS OF VOLTAGE-DEPENDENT Ca CURRENT IN SNAIL NEURONS. **1990**, 161-174
- 64 The cGMP-Gated Channels of Rod and Cone Photoreceptors. **1990**, 47-58
- 63 Identification of monoclonal antibody 4A-binding site on the transducin alpha subunit. Immunoblotting of submaxillary Arg-C protease fragments of transducin.. *Journal of Biological Chemistry*, **1990**, 265, 19923-19927 5-4 3
- 62 Cyclic AMP Regulation of the Pacemaker (If) Current in Heart. **1992**, 241-246
- 61 The Role of Cytoplasmic Calcium Concentration in Photoreceptor Light Adaptation. **1992**, 236-258

60 Gesichtssinn. **1993**, 249-290

59 Gesichtssinn. **1993**, 249-290

58 G-Protein Regulation of Cardiac K⁺ Channels. *Handbook of Experimental Pharmacology*, **1993**, 499-526 3.2

57 Problems and Prospects in the Perception of Visual Information. **1993**, 335-343

56 The GTPase Cycle: Transducin. *Handbook of Experimental Pharmacology*, **1993**, 99-117 3.2

55 Olfactory Transduction Studied with Caged Cyclic Nucleotides. **1994**, 154-156

54 Nervous Control of Cardiac Function: Modulation of Pacemaker Activity. **1994**, 219-223

53 Cyclic Nucleotide-Activated Channels. *E&M Endocrinology and Metabolism*, **1994**, 526-548

52 Seven Transmembrane Receptors in Tongue Epithelia. **1994**, 65-67

51 Nitric Oxide in Amphibian Photoreceptors. **1995**, 103-110

50 Cyclic Nucleotide-Gated Ion Channels. **1995**, 495-505 1

49 Cyclic Nucleotide-Gated Channels in Sperm. **1996**, 53-68

48 A Compartment Model for Vertebrate Phototransduction Predicts Sensitivity and Adaptation. **1996**, 201-215

47 Problems and Prospects in the Perception of Visual Information. **1997**, 391-400

46 Literatur. **1997**, 102-115

45 Biochemistry of Cilia. **1998**, 254-270

44 References. **1998**, 221-252

43 Ionic Channels Mediating Sensory Transduction. **1999**, 215-234

42	Integration of plasticity mechanisms within a single sensory neuron of <i>C. elegans</i> actuates a memory.		
41	Das Auge. 2018 , 309-347		
40	Encyclopedia of Signaling Molecules. 2018 , 3949-3957		
39	Phototransduction in Vertebrate Rods and Cones. 2020 , 261-274		
38	Optically activated, customizable, excitable cells. <i>PLoS ONE</i> , 2020 , 15, e0229051	3.7	0
37	Primary Cilia. 2020 , 50-61		
36	Identification of a novel homozygous variant in the CNGA1 gene in a Chinese family with autosomal recessive retinitis pigmentosa. <i>Molecular Medicine Reports</i> , 2020 , 22, 2516-2520	2.9	1
35	Loss of Cone and Reduction in Rod ERG Responses in the Guanylyl Cyclase-E (GC-E) Deficient Mouse. 1999 , 67-80		
34	Stereochemical course of the reaction catalyzed by the cyclic GMP phosphodiesterase from retinal rod outer segments.. <i>Journal of Biological Chemistry</i> , 1988 , 263, 14080-14085	5.4	2
33	Transient response of retinal rod outer segment phosphodiesterase to actinic light pulses. <i>Journal of Biological Chemistry</i> , 1989 , 264, 19790-19803	5.4	1
32	The ocs-element is a component of the promoters of several T-DNA and plant viral genes. <i>EMBO Journal</i> , 1989 , 8, 4197-204	13	77
31	Nobel lecture. Ion channels for communication between and within cells. <i>EMBO Journal</i> , 1992 , 11, 1672-93		2
30	Primary structure and functional expression of the Na/Ca,K-exchanger from bovine rod photoreceptors. <i>EMBO Journal</i> , 1992 , 11, 1689-95	13	31
29	Gating properties of the cAMP-gated channel in toad olfactory receptor cells. <i>Journal of Physiology</i> , 1993 , 466, 287-302	3.9	28
28	Photoreceptor guanylate cyclase variants: cGMP production under control. <i>Acta Biochimica Polonica</i> , 2003 , 50, 1075-95	2	2
27	Analysis of Ca ⁺⁺ -dependent gain changes in PDE activation in vertebrate rod phototransduction. <i>Molecular Vision</i> , 2000 , 6, 265-86	2.3	10
26	Light-induced translocation of cyclic-GMP phosphodiesterase on rod disc membranes in rat retina. <i>Molecular Vision</i> , 2008 , 14, 2509-17	2.3	8
25	Changes in cGMP concentration correlate with some, but not all, aspects of the light-regulated conductance of frog rod photoreceptors. <i>Journal of Biological Chemistry</i> , 1986 , 261, 12965-75	5.4	16

24	Dark Matters: Challenges of Nocturnal Communication Between Plants and Animals in Delivery of Pollination Services. <i>Yale Journal of Biology and Medicine</i> , 2018 , 91, 33-42	2.4	4
23	Cross-talk between cAMP and Ca ²⁺ signalling in cardiac pacemaker cells involves IP ₃ -evoked Ca ²⁺ release and stimulation of adenylyl cyclase 1.		
22	Chemical shift assignments of calmodulin bound to the β subunit of a retinal cyclic nucleotide-gated channel (CNGB1).. <i>Biomolecular NMR Assignments</i> , 2022 , 1	0.7	2
21	Structure of the human cone photoreceptor cyclic nucleotide-gated channel.. <i>Nature Structural and Molecular Biology</i> , 2021 ,	17.6	2
20	Mutations in rhodopsin, endothelin B receptor, and CC chemokine receptor 5 in large animals: Modeling human diseases. <i>Progress in Molecular Biology and Translational Science</i> , 2022 ,	4	
19	Expression of exogenous PDE5 rescues photoreceptors in rd1 mice.. <i>Current Medicinal Chemistry</i> , 2022 ,	4.3	1
18	Intracellular Messengers in Vertebrate Photoreceptors: Electmphysiological Techniques. 471-516		
17	The vertebrate phototransduction cascade: amplification and termination mechanisms. 2005 , 101		
16	Progressive and Stationary Disorders of Cone Function: Cone and Cone-Rod Dystrophies and Cone Dysfunction Syndromes. 2022 , 3937-3965		
15	Cyclic Nucleotide-Gated Ion Channels. 1995 , 495-505		
14	Cyclic Nucleotide-Gated Ion Channels. 2001 , 795-806		
13	The Interplay between cGMP and Calcium Signaling in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 7048	6.3	2
12	The structure of cyclic nucleotide-gated channels in rod and cone photoreceptors. 2022 ,		0
11	Chemical shift assignments of calmodulin bound to a C-terminal site (residues 1120-1147) in the β subunit of a retinal cyclic nucleotide-gated channel (CNGB1).		
10	Genome-wide identification of <i>CNGC</i> and the gene expression analysis in <i>Brassica napus</i> challenged with <i>Sclerotinia sclerotiorum</i> and PEG-simulated drought. 2022 , 48, 1357-1371		0
9	Inhibition of adenylyl cyclase 1 by ST034307 inhibits IP ₃ -evoked changes in sino-atrial node beat rate. 13 ,		0
8	NMR Structures of Calmodulin Bound to Two Separate Regulatory Sites in the Retinal Cyclic Nucleotide-Gated Channel. 2022 , 61, 1955-1965		0
7	Structural view of G protein-coupled receptor signaling in the retinal rod outer segment. 2022 ,		0

- 6 Rhodopsin, light-sensor of vision. **2022**, 101116 ○
- 5 Mathematical analysis of phototransduction reaction parameters in rods and cones. **2022**, 12, ○
- 4 Retinal Cyclic Nucleotide-Gated Channel Regulation by Calmodulin. **2022**, 23, 14143 ○
- 3 cGMP signaling: a potential therapeutic target for neurodegeneration in glaucoma?. **2023**, 18, 1267 ○
- 2 Multilimbed membrane guanylate cyclase signaling system, evolutionary ladder. 15, ○
- 1 The photoreceptor protective cGMP-analog Rp-8-Br-PET-cGMPS interacts with cGMP-interactors PKGI, PDE1, PDE6, and PKAI in the degenerating mouse retina. **2023**, 531, 935-951 ○