

# Martin Biel

## List of Publications by Year in descending order

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218  
papers

17,853  
citations

16451

64  
h-index

16183

124  
g-index

219  
all docs

219  
docs citations

219  
times ranked

14367  
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-year results of phase I retinal gene therapy trial for CNGA3-mutated achromatopsia: results of a non randomised controlled trial. <i>British Journal of Ophthalmology</i> , 2022, 106, 1567-1572.	3.9	33
2	Lung emphysema and impaired macrophage elastase clearance in mucolipin 3 deficient mice. <i>Nature Communications</i> , 2022, 13, 318.	12.8	25
3	MicroRNA-365 regulates human cardiac action potential duration. <i>Nature Communications</i> , 2022, 13, 220.	12.8	15
4	Lysosomal TRPML1 regulates mitochondrial function in hepatocellular carcinoma cells. <i>Journal of Cell Science</i> , 2022, 135, .	2.0	11
5	Systematic Studies on Stabilization of AAV Vector Formulations by Lyophilization. <i>Journal of Pharmaceutical Sciences</i> , 2022, 111, 2288-2298.	3.3	7
6	In vivo and ex vivo electrophysiological study of the mouse heart to characterize the cardiac conduction system, including atrial and ventricular vulnerability. <i>Nature Protocols</i> , 2022, 17, 1189-1222.	12.0	9
7	Endolysosomal cation channels point the way towards precision medicine of cancer and infectious diseases. <i>Biomedicine and Pharmacotherapy</i> , 2022, 148, 112751.	5.6	9
8	Paradigm shift: new concepts for HCN4 function in cardiac pacemaking. <i>Pflugers Archiv European Journal of Physiology</i> , 2022, 474, 649-663.	2.8	11
9	Implantation of Combined Telemetric ECG and Blood Pressure Transmitters to Determine Spontaneous Baroreflex Sensitivity in Conscious Mice. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	0
10	Novel AAV capsids for intravitreal gene therapy of photoreceptor disorders. <i>EMBO Molecular Medicine</i> , 2021, 13, e13392.	6.9	61
11	Beyond pacemaking: HCN channels in sinoatrial node function. <i>Progress in Biophysics and Molecular Biology</i> , 2021, 166, 51-60.	2.9	17
12	Flavonoids increase melanin production and reduce proliferation, migration and invasion of melanoma cells by blocking endolysosomal/melanosomal TPC2. <i>Scientific Reports</i> , 2021, 11, 8515.	3.3	34
13	Comparison of Different Liquid Chromatography-Based Purification Strategies for Adeno-Associated Virus Vectors. <i>Pharmaceutics</i> , 2021, 13, 748.	4.5	24
14	Speeding Up the Heart? Traditional and New Perspectives on HCN4 Function. <i>Frontiers in Physiology</i> , 2021, 12, 669029.	2.8	14
15	TPC2 promotes choroidal angiogenesis and inflammation in a mouse model of neovascular age-related macular degeneration. <i>Life Science Alliance</i> , 2021, 4, e202101047.	2.8	9
16	Redirected nuclear glutamate dehydrogenase supplies Tet3 with $\alpha$ -ketoglutarate in neurons. <i>Nature Communications</i> , 2021, 12, 4100.	12.8	7
17	Gene editing and synthetically accessible inhibitors reveal role for TPC2 in HCC cell proliferation and tumor growth. <i>Cell Chemical Biology</i> , 2021, 28, 1119-1131.e27.	5.2	36
18	Cyclic nucleotide-regulated channels (CNG) in GtoPdb v.2021.3. <i>IUPHAR/BPS Guide To Pharmacology CITE</i> , 2021, 2021, .	0.2	0

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19	<i>In Vivo</i> Potency Testing of Subretinal rAAV5.hCNGB1 Gene Therapy in the <i>Cngb1</i> Knockout Mouse Model of Retinitis Pigmentosa. <i>Human Gene Therapy</i> , 2021, 32, 1158-1170.	2.7	12
20	THE CONCISE GUIDE TO PHARMACOLOGY 2021/22: Ion channels. <i>British Journal of Pharmacology</i> , 2021, 178, S157-S245.	5.4	187
21	The cGMP-Dependent Protein Kinase 2 Contributes to Cone Photoreceptor Degeneration in the <i>Cnga3</i> -Deficient Mouse Model of Achromatopsia. <i>International Journal of Molecular Sciences</i> , 2021, 22, 52.	4.1	11
22	Intrinsic Differential Scanning Fluorimetry for Fast and Easy Identification of Adeno-Associated Virus Serotypes. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 854-862.	3.3	17
23	Enigmatic rhodopsin mutation creates an exceptionally strong splice acceptor site. <i>Human Molecular Genetics</i> , 2020, 29, 295-304.	2.9	7
24	Antisense Oligonucleotide- and CRISPR-Cas9-Mediated Rescue of mRNA Splicing for a Deep Intronic <i>CLRN1</i> Mutation. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 21, 1050-1061.	5.1	15
25	TPC1 deficiency or blockade augments systemic anaphylaxis and mast cell activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 18068-18078.	7.1	21
26	TRPML2 is an osmo/mechanosensitive cation channel in endolysosomal organelles. <i>Science Advances</i> , 2020, 6, .	10.3	28
27	A gene therapy for inherited blindness using dCas9-VPR-mediated transcriptional activation. <i>Science Advances</i> , 2020, 6, eaba5614.	10.3	36
28	cAMP-dependent regulation of HCN4 controls the tonic entrainment process in sinoatrial node pacemaker cells. <i>Nature Communications</i> , 2020, 11, 5555.	12.8	63
29	Safety and Vision Outcomes of Subretinal Gene Therapy Targeting Cone Photoreceptors in Achromatopsia. <i>JAMA Ophthalmology</i> , 2020, 138, 643.	2.5	100
30	Neuropathic and cAMP-induced pain behavior is ameliorated in mice lacking <i>CNGB1</i> . <i>Neuropharmacology</i> , 2020, 171, 108087.	4.1	6
31	Agonist-mediated switching of ion selectivity in TPC2 differentially promotes lysosomal function. <i>ELife</i> , 2020, 9, .	6.0	108
32	HCN3 ion channels: roles in sensory neuronal excitability and pain. <i>Journal of Physiology</i> , 2019, 597, 4661-4675.	2.9	31
33	Safety and Toxicology of Ocular Gene Therapy with Recombinant AAV Vector rAAV.hCNGA3 in Nonhuman Primates. <i>Human Gene Therapy Clinical Development</i> , 2019, 30, 50-56.	3.1	17
34	The protein interaction networks of mucolipins and two-pore channels. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 1111-1123.	4.1	28
35	In Vitro Evaluation of AAV Vectors for Retinal Gene Therapy. <i>Methods in Molecular Biology</i> , 2019, 1834, 383-390.	0.9	3
36	Optimized Subretinal Injection Technique for Gene Therapy Approaches. <i>Methods in Molecular Biology</i> , 2019, 1834, 405-412.	0.9	7

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37	Advancing Gene Therapy for PDE6A Retinitis Pigmentosa. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1185, 103-107.	1.6	5
38	Abolishing cAMP sensitivity in HCN2 pacemaker channels induces generalized seizures. <i>JCI Insight</i> , 2019, 4, .	5.0	23
39	Hif1a inactivation rescues photoreceptor degeneration induced by a chronic hypoxia-like stress. <i>Cell Death and Differentiation</i> , 2018, 25, 2071-2085.	11.2	29
40	Design and Development of AAV-based Gene Supplementation Therapies for Achromatopsia and Retinitis Pigmentosa. <i>Methods in Molecular Biology</i> , 2018, 1715, 33-46.	0.9	4
41	Retinal Cyclic Nucleotide-Gated Channels: From Pathophysiology to Therapy. <i>International Journal of Molecular Sciences</i> , 2018, 19, 749.	4.1	61
42	Development of Methodology and Study Protocol: Safety and Efficacy of a Single Subretinal Injection of rAAV.hCNGA3 in Patients with <i>CNGA3</i> -Linked Achromatopsia Investigated in an Exploratory Dose-Escalation Trial. <i>Human Gene Therapy Clinical Development</i> , 2018, 29, 121-131.	3.1	22
43	Humoral Immune Response After Intravitreal But Not After Subretinal AAV8 in Primates and Patients. , 2018, 59, 1910.		64
44	Endolysosomal Cation Channels and Cancerâ€™A Link with Great Potential. <i>Pharmaceuticals</i> , 2018, 11, 4.	3.8	48
45	Optogenetic Control of Neural Circuits in the Mongolian Gerbil. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 111.	3.7	5
46	Accessory heterozygous mutations in cone photoreceptor CNGA3 exacerbate CNG channelâ€™associated retinopathy. <i>Journal of Clinical Investigation</i> , 2018, 128, 5663-5675.	8.2	25
47	Selective agonist of TRPML2 reveals direct role in chemokine release from innate immune cells. <i>ELife</i> , 2018, 7, .	6.0	71
48	Reversal of Chemoresistance in Leukemia Cells Using Synthetic Bisbenzylisoquinoline Derivatives. <i>Blood</i> , 2018, 132, 3504-3504.	1.4	0
49	Gene therapy for achromatopsia. <i>Journal of Gene Medicine</i> , 2017, 19, e2944.	2.8	35
50	Two-Pore Channel Function Is Crucial for the Migration of Invasive Cancer Cells. <i>Cancer Research</i> , 2017, 77, 1427-1438.	0.9	107
51	Cone Genesis Tracing by the Chrn4-EGFP Mouse Line: Evidences of Cellular Material Fusion after Cone Precursor Transplantation. <i>Molecular Therapy</i> , 2017, 25, 634-653.	8.2	56
52	Recombinant tandem of pore-domains in a Weakly Inward rectifying K <sup>+</sup> channel 2 (TWIK2) forms active lysosomal channels. <i>Scientific Reports</i> , 2017, 7, 649.	3.3	22
53	Endoplasmic reticulum (ER) Ca <sup>2+</sup> -channel activity contributes to ER stress and cone death in cyclic nucleotide-gated channel deficiency. <i>Journal of Biological Chemistry</i> , 2017, 292, 11189-11205.	3.4	23
54	From mucopolipidosis type IV to Ebola: TRPML and two-pore channels at the crossroads of endo-lysosomal trafficking and disease. <i>Cell Calcium</i> , 2017, 67, 148-155.	2.4	57

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55	Peripherin-2 and Rom-1 have opposing effects on rod outer segment targeting of retinitis pigmentosa-linked peripherin-2 mutants. <i>Scientific Reports</i> , 2017, 7, 2321.	3.3	10
56	TPC2 polymorphisms associated with a hair pigmentation phenotype in humans result in gain of channel function by independent mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E8595-E8602.	7.1	55
57	The two-pore channel TPC1 is required for efficient protein processing through early and recycling endosomes. <i>Scientific Reports</i> , 2017, 7, 10038.	3.3	40
58	AAV8 Can Induce Innate and Adaptive Immune Response in the Primate Eye. <i>Molecular Therapy</i> , 2017, 25, 2648-2660.	8.2	95
59	Patch-clamp technique to characterize ion channels in enlarged individual endolysosomes. <i>Nature Protocols</i> , 2017, 12, 1639-1658.	12.0	68
60	Small Molecules for Early Endosome-Specific Patch Clamping. <i>Cell Chemical Biology</i> , 2017, 24, 907-916.e4.	5.2	34
61	Protein kinase A regulates inflammatory pain sensitization by modulating HCN2 channel activity in nociceptive sensory neurons. <i>Pain</i> , 2017, 158, 2012-2024.	4.2	17
62	Gene Therapy Successfully Delays Degeneration in a Mouse Model of PDE6A-Linked Retinitis Pigmentosa (RP43). <i>Human Gene Therapy</i> , 2017, 28, 1180-1188.	2.7	16
63	Gene Supplementation Rescues Rod Function and Preserves Photoreceptor and Retinal Morphology in Dogs, Leading the Way Toward Treating Human PDE6A-Linked Retinitis Pigmentosa. <i>Human Gene Therapy</i> , 2017, 28, 1189-1201.	2.7	27
64	Subretinal Injection for Gene Therapy Does Not Cause Clinically Significant Outer Nuclear Layer Thinning in Normal Primate Foveae. , 2017, 58, 4155.		31
65	Two-Pore Channels: Catalyzers of Endolysosomal Transport and Function. <i>Frontiers in Pharmacology</i> , 2017, 08, 45.	3.5	67
66	AAV-Mediated Gene Supplementation Therapy in Achromatopsia Type 2: Preclinical Data on Therapeutic Time Window and Long-Term Effects. <i>Frontiers in Neuroscience</i> , 2017, 11, 292.	2.8	26
67	Superior Retinal Gene Transfer and Biodistribution Profile of Subretinal Versus Intravitreal Delivery of AAV8 in Nonhuman Primates. , 2017, 58, 5792.		75
68	Early Microglia Activation Precedes Photoreceptor Degeneration in a Mouse Model of CNGB1-Linked Retinitis Pigmentosa. <i>Frontiers in Immunology</i> , 2017, 8, 1930.	4.8	34
69	Disturbed Processing of Contextual Information in HCN3 Channel Deficient Mice. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 436.	2.9	15
70	Photopharmacological control of bipolar cells restores visual function in blind mice. <i>Journal of Clinical Investigation</i> , 2017, 127, 2598-2611.	8.2	47
71	Determination of Rod and Cone Influence to the Early and Late Dynamic of the Pupillary Light Response. , 2016, 57, 2501.		34
72	AAV Vectors for FRET-Based Analysis of Protein-Protein Interactions in Photoreceptor Outer Segments. <i>Frontiers in Neuroscience</i> , 2016, 10, 356.	2.8	24

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73	In Vivo Analysis of Disease-Associated Point Mutations Unveils Profound Differences in mRNA Splicing of Peripherin-2 in Rod and Cone Photoreceptors. <i>PLoS Genetics</i> , 2016, 12, e1005811.	3.5	22
74	HCN1 Channels Enhance Rod System Responsivity in the Retina under Conditions of Light Exposure. <i>PLoS ONE</i> , 2016, 11, e0147728.	2.5	14
75	Peripherin-2 differentially interacts with cone opsins in outer segments of cone photoreceptors. <i>Human Molecular Genetics</i> , 2016, 25, ddw103.	2.9	10
76	Loss of HCN1 enhances disease progression in mouse models of CNG channel-linked retinitis pigmentosa and achromatopsia. <i>Human Molecular Genetics</i> , 2016, 25, 1165-1175.	2.9	31
77	Quantifying macromolecular interactions in living cells using FRET two-hybrid assays. <i>Nature Protocols</i> , 2016, 11, 2470-2498.	12.0	50
78	Remote and reversible inhibition of neurons and circuits by small molecule induced potassium channel stabilization. <i>Scientific Reports</i> , 2016, 6, 19293.	3.3	9
79	Comprehensive multilevel in vivo and in vitro analysis of heart rate fluctuations in mice by ECG telemetry and electrophysiology. <i>Nature Protocols</i> , 2016, 11, 61-86.	12.0	42
80	High Susceptibility to Non-Alcoholic Fatty Liver Disease in Two-Pore Channel 2-Deficient Mice. <i>Biophysical Journal</i> , 2015, 108, 582a.	0.5	1
81	Expression of Ca <sup>2+</sup> -permeable two-pore channels rescues NAADP signalling in TPC-deficient cells. <i>EMBO Journal</i> , 2015, 34, 1743-1758.	7.8	144
82	Electroretinographic assessment of rod- and cone-mediated bipolar cell pathways using flicker stimuli in mice. <i>Scientific Reports</i> , 2015, 5, 10731.	3.3	49
83	Impact of Hyperpolarization-activated, Cyclic Nucleotide-gated Cation Channel Type 2 for the Xenon-mediated Anesthetic Effect. <i>Anesthesiology</i> , 2015, 122, 1047-1059.	2.5	18
84	Corticotropin-Releasing Hormone Receptor Type 1 (CRHR1) Clustering with MAGUKs Is Mediated via Its C-Terminal PDZ Binding Motif. <i>PLoS ONE</i> , 2015, 10, e0136768.	2.5	14
85	TET3 Is Recruited by REST for Context-Specific Hydroxymethylation and Induction of Gene Expression. <i>Cell Reports</i> , 2015, 11, 283-294.	6.4	117
86	Investigation of the Immunogenicity of Different Types of Aggregates of a Murine Monoclonal Antibody in Mice. <i>Pharmaceutical Research</i> , 2015, 32, 430-444.	3.5	66
87	Two-pore channels control Ebola virus host cell entry and are drug targets for disease treatment. <i>Science</i> , 2015, 347, 995-998.	12.6	454
88	Retinal gene delivery by adeno-associated virus (AAV) vectors: Strategies and applications. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 95, 343-352.	4.3	59
89	Retinitis pigmentosa: impact of different Pde6 point mutations on the disease phenotype. <i>Human Molecular Genetics</i> , 2015, 24, 5486-5499.	2.9	41
90	Vitreous delivery of AAV vectored Cnga3 restores cone function in CNGA3 <sup>-/-</sup> /Nrl <sup>-/-</sup> mice, an all-cone model of CNGA3 achromatopsia. <i>Human Molecular Genetics</i> , 2015, 24, 3699-707.	2.9	19

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91	cGMP/Protein Kinase G Signaling Suppresses Inositol 1,4,5-Trisphosphate Receptor Phosphorylation and Promotes Endoplasmic Reticulum Stress in Photoreceptors of Cyclic Nucleotide-gated Channel-deficient Mice. <i>Journal of Biological Chemistry</i> , 2015, 290, 20880-20892.	3.4	37
92	KCNMA1 Encoded Cardiac BK Channels Afford Protection against Ischemia-Reperfusion Injury. <i>PLoS ONE</i> , 2014, 9, e103402.	2.5	83
93	Identification of a Common Non-Apoptotic Cell Death Mechanism in Hereditary Retinal Degeneration. <i>PLoS ONE</i> , 2014, 9, e112142.	2.5	191
94	A small molecule restores function to TRPML1 mutant isoforms responsible for mucopolipidosis type IV. <i>Nature Communications</i> , 2014, 5, 4681.	12.8	125
95	Mosaic synaptopathy and functional defects in Cav1.4 heterozygous mice and human carriers of CSNB2. <i>Human Molecular Genetics</i> , 2014, 23, 1538-1550.	2.9	38
96	NAADP and the two-pore channel protein 1 participate in the acrosome reaction in mammalian spermatozoa. <i>Molecular Biology of the Cell</i> , 2014, 25, 948-964.	2.1	53
97	Gene Therapy Restores Vision and Delays Degeneration in the CNGB1 <sup>+/+</sup> Mouse Model of Retinitis Pigmentosa. <i>Advances in Experimental Medicine and Biology</i> , 2014, 801, 733-739.	1.6	19
98	Auditory event-related signals in mouse ERG recordings. <i>Documenta Ophthalmologica</i> , 2014, 128, 25-32.	2.2	4
99	HCN channels: new roles in sinoatrial node function. <i>Current Opinion in Pharmacology</i> , 2014, 15, 83-90.	3.5	44
100	Rods in daylight act as relay cells for cone-driven horizontal cell-mediated surround inhibition. <i>Nature Neuroscience</i> , 2014, 17, 1728-1735.	14.8	58
101	Cellular Zinc Levels Are Modulated by TRPML1-TMEM163 Interaction. <i>Traffic</i> , 2014, 15, 1247-1265.	2.7	53
102	Peripherin-2 couples rhodopsin to the CNG channel in outer segments of rod photoreceptors. <i>Human Molecular Genetics</i> , 2014, 23, 5989-5997.	2.9	23
103	High susceptibility to fatty liver disease in two-pore channel 2-deficient mice. <i>Nature Communications</i> , 2014, 5, 4699.	12.8	164
104	Pathological $\beta$ -synuclein impairs adult-born granule cell development and functional integration in the olfactory bulb. <i>Nature Communications</i> , 2014, 5, 3915.	12.8	22
105	A30P $\beta$ -Synuclein interferes with the stable integration of adult-born neurons into the olfactory network. <i>Scientific Reports</i> , 2014, 4, 3931.	3.3	19
106	Characterization of neurite outgrowth and ectopic synaptogenesis in response to photoreceptor dysfunction. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 1831-1847.	5.4	41
107	Gene replacement therapy for retinal CNG channelopathies. <i>Molecular Genetics and Genomics</i> , 2013, 288, 459-467.	2.1	28
108	Status of EUV reflectometry at PTB. , 2013, , .		14

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109	Odorant-evoked electrical responses in Grueneberg ganglion neurons rely on cGMP-associated signaling proteins. <i>Neuroscience Letters</i> , 2013, 539, 38-42.	2.1	20
110	Detection of cGMP in the Degenerating Retina. <i>Methods in Molecular Biology</i> , 2013, 1020, 235-245.	0.9	8
111	Loss of cone cyclic nucleotide-gated channel leads to alterations in light response modulating system and cellular stress response pathways: a gene expression profiling study. <i>Human Molecular Genetics</i> , 2013, 22, 3906-3919.	2.9	25
112	Sick Sinus Syndrome in HCN1-Deficient Mice. <i>Circulation</i> , 2013, 128, 2585-2594.	1.6	80
113	Up-regulation of Hyperpolarization-activated Cyclic Nucleotide-gated Channel 3 (HCN3) by Specific Interaction with K <sup>+</sup> Channel Tetramerization Domain-containing Protein 3 (KCTD3). <i>Journal of Biological Chemistry</i> , 2013, 288, 7580-7589.	3.4	26
114	cGMP Accumulation Causes Photoreceptor Degeneration in CNG Channel Deficiency: Evidence of cGMP Cytotoxicity Independently of Enhanced CNG Channel Function. <i>Journal of Neuroscience</i> , 2013, 33, 14939-14948.	3.6	64
115	Gene therapy restores vision and delays degeneration in the CNGB1 <sup>-/-</sup> mouse model of retinitis pigmentosa. <i>Human Molecular Genetics</i> , 2012, 21, 4486-4496.	2.9	95
116	Role of TRPML and Two-Pore Channels in Endolysosomal Cation Homeostasis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 342, 236-244.	2.5	72
117	Complex Regulation of Voltage-dependent Activation and Inactivation Properties of Retinal Voltage-gated Cav1.4 L-type Ca <sup>2+</sup> Channels by Ca <sup>2+</sup> -binding Protein 4 (CaBP4)*. <i>Journal of Biological Chemistry</i> , 2012, 287, 36312-36321.	3.4	43
118	Isotope- <sup>13</sup> C Based Analysis of Modified tRNA Nucleosides Correlates Modification Density with Translational Efficiency. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11162-11165.	13.8	40
119	Endoplasmic Reticulum Stress-associated Cone Photoreceptor Degeneration in Cyclic Nucleotide-gated Channel Deficiency. <i>Journal of Biological Chemistry</i> , 2012, 287, 18018-18029.	3.4	49
120	Regulation of Hyperpolarization-activated Cyclic Nucleotide-gated (HCN) Channel Activity by cCMP. <i>Journal of Biological Chemistry</i> , 2012, 287, 26506-26512.	3.4	51
121	Visual Function in Cav1.4-Deficient Mice. <i>Biophysical Journal</i> , 2012, 102, 127a.	0.5	0
122	Biocompatibility of a genetically encoded calcium indicator in a transgenic mouse model. <i>Nature Communications</i> , 2012, 3, 1031.	12.8	45
123	Gene Therapy Restores Missing Cone-Mediated Vision in the CNGA3 <sup>Δ</sup> Mouse Model of Achromatopsia. <i>Advances in Experimental Medicine and Biology</i> , 2012, 723, 183-189.	1.6	23
124	CNGA3 Deficiency Affects Cone Synaptic Terminal Structure and Function and Leads to Secondary Rod Dysfunction and Degeneration. , 2012, 53, 1117.		24
125	Optimized Technique for Subretinal Injections in Mice. <i>Methods in Molecular Biology</i> , 2012, 935, 343-349.	0.9	33
126	The Role of HCN Channels in Ventricular Repolarization. <i>Trends in Cardiovascular Medicine</i> , 2011, 21, 216-220.	4.9	16

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127	The cGMP-Dependent Protein Kinase II Is an Inhibitory Modulator of the Hyperpolarization-Activated HCN2 Channel. <i>PLoS ONE</i> , 2011, 6, e17078.	2.5	10
128	Exploring HCN channels as novel drug targets. <i>Nature Reviews Drug Discovery</i> , 2011, 10, 903-914.	46.4	181
129	HCN2 channels in local inhibitory interneurons constrain LTP in the hippocampal direct perforant path. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 125-137.	5.4	48
130	The Glutamic Acid-Rich Protein Is a Gating Inhibitor of Cyclic Nucleotide-Gated Channels. <i>Journal of Neuroscience</i> , 2011, 31, 133-141.	3.6	30
131	A key role for cyclic nucleotide gated (CNG) channels in cGMP-related retinitis pigmentosa. <i>Human Molecular Genetics</i> , 2011, 20, 941-947.	2.9	103
132	CNGA3: A Target of Spinal Nitric Oxide/cGMP Signaling and Modulator of Inflammatory Pain Hypersensitivity. <i>Journal of Neuroscience</i> , 2011, 31, 11184-11192.	3.6	38
133	HCN3 Contributes to the Ventricular Action Potential Waveform in the Murine Heart. <i>Circulation Research</i> , 2011, 109, 1015-1023.	4.5	66
134	Chemo- and Thermosensory Responsiveness of Grueneberg Ganglion Neurons Relies on Cyclic Guanosine Monophosphate Signaling Elements. <i>NeuroSignals</i> , 2011, 19, 198-209.	0.9	33
135	Phosducin influences sympathetic activity and prevents stress-induced hypertension in humans and mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 454-454.	8.2	0
136	The cyclic nucleotide-gated ion channel CNGA3 contributes to coolness-induced responses of Grueneberg ganglion neurons. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 1859-1869.	5.4	31
137	Induction of STAT3-related genes in fast degenerating cone photoreceptors of cpfl1 mice. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 3173-3186.	5.4	28
138	An Olfactory Subsystem that Detects Carbon Disulfide and Mediates Food-Related Social Learning. <i>Current Biology</i> , 2010, 20, 1438-1444.	3.9	151
139	Quantification of the Sixth DNA Base Hydroxymethylcytosine in the Brain. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5375-5377.	13.8	350
140	Cyclic Nucleotide-Regulated Cation Channels. , 2010, , 1519-1523.		0
141	In Vivo Analysis of Cone Survival in Mice. , 2010, 51, 493.		23
142	Characterization of Two-pore Channel 2 (TPCN2)-mediated Ca <sup>2+</sup> Currents in Isolated Lysosomes. <i>Journal of Biological Chemistry</i> , 2010, 285, 21219-21222.	3.4	129
143	Grueneberg Ganglion Neurons Are Finely Tuned Cold Sensors. <i>Journal of Neuroscience</i> , 2010, 30, 7563-7568.	3.6	54
144	Planar Patch Clamp Approach to Characterize Ionic Currents from Intact Lysosomes. <i>Science Signaling</i> , 2010, 3, pl3.	3.6	51

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145	Restoration of Cone Vision in the CNGA3 <sup>Δ</sup> /Δ Mouse Model of Congenital Complete Lack of Cone Photoreceptor Function. <i>Molecular Therapy</i> , 2010, 18, 2057-2063.	8.2	175
146	Tissue Distribution of 5-Hydroxymethylcytosine and Search for Active Demethylation Intermediates. <i>PLoS ONE</i> , 2010, 5, e15367.	2.5	733
147	Genetic Reactivation of Cone Photoreceptors Restores Visual Responses in Retinitis Pigmentosa. <i>Science</i> , 2010, 329, 413-417.	12.6	578
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