David C Klein

List of Publications by Year
in descending order

222 papers	14,331 citations	25423 59 h-index	27587 110 g-index
225 all docs	225 docs citations	225 times ranked	7203 citing authors

#	Article	IF	Citations
1	The <i>Lhx4</i> homeobox transcript in the rat pineal gland: Adrenergic regulation and impact on transcripts encoding melatoninâ€synthesizing enzymes. Journal of Pineal Research, 2020, 68, e12616.	3.4	14
2	Circadian regulation and molecular role of the <i>Bsx</i> homeobox gene in the adult pineal gland. Journal of Pineal Research, 2020, 68, e12629.	3.4	10
3	Associations between Family Weight-Based Teasing, Eating Pathology, and Psychosocial Functioning among Adolescent Military Dependents. International Journal of Environmental Research and Public Health, 2020, 17, 24.	1.2	31
4	Resource: A multiâ€species multiâ€timepoint transcriptome database and webpage for the pineal gland and retina. Journal of Pineal Research, 2020, 69, e12673.	3.4	16
5	Single Cell Sequencing of the Pineal Gland: The Next Chapter. Frontiers in Endocrinology, 2019, 10, 590.	1.5	8
6	Single-cell RNA sequencing of the mammalian pineal gland identifies two pinealocyte subtypes and cell type-specific daily patterns of gene expression. PLoS ONE, 2018, 13, e0205883.	1.1	38
7	The Timezyme and Melatonin: Essential Elements of Vertebrate Timekeeping. , 2017, , 503-520.		3
8	Daily Rhythm in Plasma N-acetyltryptamine. Journal of Biological Rhythms, 2017, 32, 195-211.	1.4	16
9	Melatonin Synthesis: Acetylserotonin O-Methyltransferase (ASMT) Is Strongly Expressed in a Subpopulation of Pinealocytes in the Male Rat Pineal Gland. Endocrinology, 2016, 157, 2028-2040.	1.4	53
10	The Pineal Gland and Melatonin. , 2016, , 312-322.e5.		2
11	Genetically Blocking the Zebrafish Pineal Clock Affects Circadian Behavior. PLoS Genetics, 2016, 12, e1006445.	1.5	51
12	Alternative Isoform Analysis of Ttc8 Expression in the Rat Pineal Gland Using a Multi-Platform Sequencing Approach Reveals Neural Regulation. PLoS ONE, 2016, 11, e0163590.	1.1	8
13	The Lhx9 homeobox gene controls pineal gland development and prevents postnatal hydrocephalus. Brain Structure and Function, 2015, 220, 1497-1509.	1.2	44
14	Neurotranscriptomics: The Effects of Neonatal Stimulus Deprivation on the Rat Pineal Transcriptome. PLoS ONE, 2015, 10, e0137548.	1.1	29
15	pY RNA1-s2: A Highly Retina-Enriched Small RNA That Selectively Binds to Matrin 3 (Matr3). PLoS ONE, 2014, 9, e88217.	1.1	16
16	Drastic neofunctionalization associated with evolution of the timezyme AANAT 500 Mya. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 314-319.	3.3	64
17	Homeobox Genes in the Rodent Pineal Gland: Roles in Development and Phenotype Maintenance. Neurochemical Research, 2013, 38, 1100-1112.	1.6	39
18	RGS2 is a feedback inhibitor of melatonin production in the pineal gland. FEBS Letters, 2013, 587, 1392-1398.	1.3	10

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19	Female-Specific Induction of Rat Pituitary Dentin Matrix Protein-1 by GnRH. Molecular Endocrinology, 2013, 27, 1840-1855.	3.7	17
20	Systematic Identification of Rhythmic Genes Reveals camk1gb as a New Element in the Circadian Clockwork. PLoS Genetics, 2012, 8, e1003116.	1.5	37
21	Circadian changes in long noncoding RNAs in the pineal gland. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13319-13324.	3.3	83
22	MicroRNAs in the Pineal Gland. Journal of Biological Chemistry, 2012, 287, 25312-25324.	1.6	71
23	<i>NeuroD1</i> is required for survival of photoreceptors but not pinealocytes: Results from targeted gene deletion studies. Journal of Neurochemistry, 2012, 123, 44-59.	2.1	29
24	Molecular Evolution of Multiple Arylalkylamine N-Acetyltransferase (AANAT) in Fish. Marine Drugs, 2011, 9, 906-921.	2.2	22
25	Raxâ€Š: developmental and daily expression patterns in the rat pineal gland and retina. Journal of Neurochemistry, 2011, 118, 999-1007.	2.1	23
26	Melatonin synthesis in retina: cAMPâ€dependent transcriptional regulation of chicken arylalkylamine <i>N</i>â€acetyltransferase by a CREâ€like sequence and a TTATT repeat motif in the proximal promoter. Journal of Neurochemistry, 2011, 119, 6-17.	2.1	20
27	Crx broadly modulates the pineal transcriptome. Journal of Neurochemistry, 2011, 119, 262-274.	2.1	25
28	Global daily dynamics of the pineal transcriptome. Cell and Tissue Research, 2011, 344, 1-11.	1.5	21
29	Selective Genomic Targeting by FRA-2/FOSL2 Transcription Factor. Journal of Biological Chemistry, 2011, 286, 15227-15239.	1.6	22
30	Norepinephrine Causes a Biphasic Change in Mammalian Pinealocye Membrane Potential: Role of Î±1B-Adrenoreceptors, Phospholipase C, and Ca2+. Endocrinology, 2011, 152, 3842-3851.	1.4	13
31	Evolution of AANAT: expansion of the gene family in the cephalochordate amphioxus. BMC Evolutionary Biology, 2010, 10, 154.	3.2	24
32	A neuroanatomical and physiological study of the non-image forming visual system of the cone-rod homeobox gene (Crx) knock out mouse. Brain Research, 2010, 1343, 54-65.	1.1	12
33	CLOCK and NPAS2 have overlapping roles in the circadian oscillation of arylalkylamine <i>N</i>â€acetyltransferase mRNA in chicken cone photoreceptors. Journal of Neurochemistry, 2010, 113, 1296-1306.	2.1	35
34	Thyroid hormone and adrenergic signaling interact to control pineal expression of the dopamine receptor D4 gene (Drd4). Molecular and Cellular Endocrinology, 2010, 314, 128-135.	1.6	37
35	Pineal function: Impact of microarray analysis. Molecular and Cellular Endocrinology, 2010, 314, 170-183.	1.6	43
36	Deletion of the secretory vesicle proteins IAâ€2 and IAâ€2Î² disrupts circadian rhythms of cardiovascular and physical activity. FASEB Journal, 2009, 23, 3226-3232.	0.2	25

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37	Developmental and Diurnal Dynamics of Pax4 Expression in the Mammalian Pineal Gland: Nocturnal Down-Regulation Is Mediated by Adrenergic-Cyclic Adenosine 3â€²,5â€²-Monophosphate Signaling. Endocrinology, 2009, 150, 803-811.	1.4	49
38	A new <i>cis</i>-acting regulatory element driving gene expression in the zebrafish pineal gland. Bioinformatics, 2009, 25, 559-562.	1.8	13
39	Transcriptome analysis of the zebrafish pineal gland. Developmental Dynamics, 2009, 238, 1813-1826.	0.8	30
40	Developmental and daily expression of the <i>Pax4</i> and <i>Pax6</i> homeobox genes in the rat retina: localization of Pax4 in photoreceptor cells. Journal of Neurochemistry, 2009, 108, 285-294.	2.1	37
41	Muscleblindâ€like 2: circadian expression in the mammalian pineal gland is controlled by an adrenergicâ€cAMP mechanism. Journal of Neurochemistry, 2009, 110, 756-764.	2.1	7
42	Night/Day Changes in Pineal Expression of >600 Genes. Journal of Biological Chemistry, 2009, 284, 7606-7622.	1.6	130
43	Localization and regulation of dopamine receptor D4 expression in the adult and developing rat retina. Experimental Eye Research, 2008, 87, 471-477.	1.2	48
44	Evidence That Proline Focuses Movement of the Floppy Loop of Arylalkylamine N-Acetyltransferase (EC) Tj ETQq0 0 0 rgBT /Overlock 10	1.6	21
45	Arylalkylamine N-Acetyltransferase: â€œthe Timezymeâ€. Journal of Biological Chemistry, 2007, 282, 4233-4237.	1.6	362
46	The Pineal Gene Expression Party: Whoâ€™s the Surprise Guest?. Endocrinology, 2007, 148, 1463-1464.	1.4	2
47	Daily Rhythm in Pineal Phosphodiesterase (PDE) Activity Reflects Adrenergic/3â€²,5â€²-Cyclic Adenosine 5â€²-Monophosphate Induction of the PDE4B2 Variant. Endocrinology, 2007, 148, 1475-1485.	1.4	33
48	Neural Adrenergic/Cyclic AMP Regulation of the Immunoglobulin E Receptor Î±-Subunit Expression in the Mammalian Pinealocyte. Journal of Biological Chemistry, 2007, 282, 32758-32764.	1.6	14
49	De Novo Discovery of Serotonin N-Acetyltransferase Inhibitors. Journal of Medicinal Chemistry, 2007, 50, 5330-5338.	2.9	28
50	Ontogenetic expression of the Otx2 and Crx homeobox genes in the retina of the rat. Experimental Eye Research, 2007, 85, 65-73.	1.2	53
51	Rodent Aanat: Intronic E-box sequences control tissue specificity but not rhythmic expression in the pineal gland. Molecular and Cellular Endocrinology, 2007, 270, 43-49.	1.6	15
52	Enzymatic and cellular study of a serotonin N-acetyltransferase phosphopantetheine-based prodrug. Bioorganic and Medicinal Chemistry, 2007, 15, 2147-2155.	1.4	10
53	NeuroD1: developmental expression and regulated genes in the rodent pineal gland. Journal of Neurochemistry, 2007, 102, 887-899.	2.1	43
54	Evolution of The Vertebrate Pineal Gland: The Aanat Hypothesis. Chronobiology International, 2006, 23, 5-20.	0.9	67

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55	The Perivascular Phagocyte of the Mouse Pineal Gland: an Antigenâ€Presenting Cell. Chronobiology International, 2006, 23, 393-401.	0.9	22
56	Melatonin pathway: breaking the â€˜high-at-nightâ€™ rule in trout retina. Experimental Eye Research, 2006, 82, 620-627.	1.2	69
57	Evolution of arylalkylamine N-acetyltransferase: Emergence and divergence. Molecular and Cellular Endocrinology, 2006, 252, 2-10.	1.6	72
58	Expression of theOtx2homeobox gene in the developing mammalian brain: embryonic and adult expression in the pineal gland. Journal of Neurochemistry, 2006, 97, 556-566.	2.1	63
59	Photic Regulation of Arylalkylamine N-Acetyltransferase Binding to 14-3-3 Proteins in Retinal Photoreceptor Cells. Journal of Neuroscience, 2006, 26, 9153-9161.	1.7	39
60	Starting the Zebrafish Pineal Circadian Clock with a Single Photic Transition. Endocrinology, 2006, 147, 2273-2279.	1.4	55
61	Circadian clocks, clock networks, arylalkylamine N-acetyltransferase, and melatonin in the retina. Progress in Retinal and Eye Research, 2005, 24, 433-456.	7.3	307
62	A Novel Pineal-specific Product of the Oligopeptide Transporter PepT1 Gene. Journal of Biological Chemistry, 2005, 280, 16851-16860.	1.6	32
63	Methionine Adenosyltransferase:Adrenergic-cAMP Mechanism Regulates a Daily Rhythm in Pineal Expression. Journal of Biological Chemistry, 2005, 280, 677-684.	1.6	38
64	Melatonin synthesis: 14-3-3-dependent activation and inhibition of arylalkylamine N-acetyltransferase mediated by phosphoserine-205. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 1222-1227.	3.3	195
65	Cellular Stability of Serotonin N-Acetyltransferase Conferred by Phosphonodifluoromethylene Alanine (Pfa) Substitution for Ser-205. Journal of Biological Chemistry, 2005, 280, 10462-10467.	1.6	46
66	Zebrafish Serotonin-N-Acetyltransferase-2 Gene Regulation: Pineal-Restrictive Downstream Module Contains a Functional E-Box and Three Photoreceptor Conserved Elements. Molecular Endocrinology, 2004, 18, 1210-1221.	3.7	46
67	NGFI-B (Nurr77/Nr4a1) orphan nuclear receptor in rat pinealocytes: circadian expression involves an adrenergic-cyclic AMP mechanism. Journal of Neurochemistry, 2004, 91, 946-955.	2.1	38
68	Evolution of cellâ€"cell signaling in animals: did late horizontal gene transfer from bacteria have a role?. Trends in Genetics, 2004, 20, 292-299.	2.9	189
69	Mitogen-activated protein kinase phosphatase-1 (MKP-1): >100-fold nocturnal and norepinephrine-induced changes in the rat pineal gland. FEBS Letters, 2004, 577, 220-226.	1.3	27
70	The 2004 Aschoff/Pittendrigh Lecture: Theory of the Origin of the Pineal Glandâ€" A Tale of Conflict and Resolution. Journal of Biological Rhythms, 2004, 19, 264-279.	1.4	114
71	Temporalâ€"spatial characterization of chicken clock genes: circadian expression in retina, pineal gland, and peripheral tissues. Journal of Neurochemistry, 2003, 85, 851-860.	2.1	59
72	Cellular stabilization of the melatonin rhythm enzyme induced by nonhydrolyzable phosphonate incorporation. Nature Structural and Molecular Biology, 2003, 10, 1054-1057.	3.6	61

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73	Melatonin Synthesis Enzymes in Macaca mulatta: Focus on Arylalkylamine N-Acetyltransferase (EC) Tj ETQq1 1 0.784314 rgBT /Overlock	1.8	85
74	Pineal-specific expression of green fluorescent protein under the control of the serotonin-N-acetyltransferase gene regulatory regions in transgenic zebrafish. Developmental Dynamics, 2002, 225, 241-249.	0.8	41
75	Control of melatonin synthesis in the mammalian pineal gland: the critical role of serotonin acetylation. Cell and Tissue Research, 2002, 309, 127-137.	1.5	220
76	Signal transduction and regulation of melatonin synthesis in bovine pinealocytes: impact of adrenergic, peptidergic and cholinergic stimuli. Cell and Tissue Research, 2002, 309, 417-428.	1.5	18
77	Chick Pineal Melatonin Synthesis. Journal of Neurochemistry, 2002, 74, 2315-2321.	2.1	42
78	Selective Adrenergic/Cyclic AMP-Dependent Switch-Off of Proteasomal Proteolysis Alone Switches on Neural Signal Transduction. Journal of Neurochemistry, 2002, 75, 2123-2132.	2.1	75
79	Retinoic Acid Increases Hydroxyindole-O-Methyltransferase Activity and mRNA in Human Y-79 Retinoblastoma Cells. Journal of Neurochemistry, 2002, 67, 1032-1038.	2.1	10
80	Genetic Targeting. Journal of Neurochemistry, 2002, 73, 1343-1349.	2.1	36
81	Retinal melatonin production: role of proteasomal proteolysis in circadian and photic control of arylalkylamine N-acetyltransferase. Investigative Ophthalmology and Visual Science, 2002, 43, 564-72.	3.3	40
82	Crystal Structure of the 14-3-3Î¶:Serotonin N-Acetyltransferase Complex. Cell, 2001, 105, 257-267.	13.5	372
83	cAMP Regulation of ArylalkylamineN-Acetyltransferase (AANAT, EC 2.3.1.87). Journal of Biological Chemistry, 2001, 276, 24097-24107.	1.6	39
84	Tissue-Specific Transgenic Knockdown of Fos-Related Antigen 2 (Fra-2) Expression Mediated by Dominant Negative Fra-2. Molecular and Cellular Biology, 2001, 21, 3704-3713.	1.1	51
85	Characterization of the Saccharomyces cerevisiae Homolog of the Melatonin Rhythm Enzyme Arylalkylamine N-Acetyltransferase (EC 2.3.1.87). Journal of Biological Chemistry, 2001, 276, 47239-47247.	1.6	54
86	Regulation of Arylalkylamine<i>N</i>-Acetyltransferase-2 (AANAT2, EC 2.3.1.87) in the Fish Pineal Organ: Evidence for a Role of Proteasomal Proteolysis. Endocrinology, 2001, 142, 1804-1813.	1.4	60
87	Melatonin synthesis. NeuroReport, 2000, 11, 255-258.	0.6	49
88	Characterization of the Chicken SerotoninN-Acetyltransferase Gene. Journal of Biological Chemistry, 2000, 275, 32991-32998.	1.6	132
89	GCN5-Related N-Acetyltransferases: A Structural Overview. Annual Review of Biophysics and Biomolecular Structure, 2000, 29, 81-103.	18.3	407
90	Melatonin synthesis pathway: circadian regulation of the genes encoding the key enzymes in the chicken pineal gland and retina. Reproduction, Nutrition, Development, 1999, 39, 325-334.	1.9	68

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91	Genetic variability in plasma melatonin in sheep is due to pineal weight, not to variations in enzyme activities. American Journal of Physiology - Endocrinology and Metabolism, 1999, 277, E792-E797.	1.8	24
92	Rat arylalkylamine <i>N</i>â€acetyltransferase gene: Upstream and intronic components of a bipartite promoter. Biology of the Cell, 1999, 91, 699-705.	0.7	33
93	Zebrafish Serotonin N-Acetyltransferase-2: Marker for Development of Pineal Photoreceptors and Circadian Clock Function1. Endocrinology, 1999, 140, 4895-4903.	1.4	126
94	Two Arylalkylamine N-Acetyltransferase Genes Mediate Melatonin Synthesis in Fish. Journal of Biological Chemistry, 1999, 274, 9076-9082.	1.6	94
95	Melatonin Biosynthesis. Molecular Cell, 1999, 3, 23-32.	4.5	121
96	The Structural Basis of Ordered Substrate Binding by Serotonin N-Acetyltransferase. Cell, 1999, 97, 361-369.	13.5	154
97	Ovine Arylalkylamine N-Acetyltransferase in the Pineal and Pituitary Glands: Differences in Function and Regulation*. Endocrinology, 1999, 140, 972-978.	1.4	24
98	Rat arylalkylamine N-acetyltransferase gene: Upstream and intronic components of a bipartite promoter. , 1999, 91, 699.		7
99	Expression of melatonin synthesis genes is controlled by a circadian clock in the pike pineal organ but not in the trout. Biology of the Cell, 1998, 90, 399-405.	0.7	20
100	Circadian expression of tryptophan hydroxylase mRNA in the chicken retina. Molecular Brain Research, 1998, 61, 243-250.	2.5	53
101	Natural melatonin `knockdown' in C57BL/6J mice: rare mechanism truncates serotonin N-acetyltransferase. Molecular Brain Research, 1998, 63, 189-197.	2.5	258
102	Melatonin Production: Proteasomal Proteolysis in Serotonin N-Acetyltransferase Regulation. Science, 1998, 279, 1358-1360.	6.0	262
103	Transcripts Encoding Two Melatonin Synthesis Enzymes in the Teleost Pineal Organ: Circadian Regulation in Pike and Zebrafish, But Not in Trout*. Endocrinology, 1998, 139, 905-912.	1.4	98
104	Kinetic Analysis of the Catalytic Mechanism of Serotonin N-Acetyltransferase (EC 2.3.1.87). Journal of Biological Chemistry, 1998, 273, 3045-3050.	1.6	114
105	Expression of melatonin synthesis genes is controlled by a circadian clock in the pike pineal organ but not in the trout. , 1998, 90, 399.		3
106	The Molecular Basis of the Pineal Melatonin Rhythm. , 1998, , .		4
107	The Rat Arylalkylamine N-Acetyltransferase Gene Promoter. Journal of Biological Chemistry, 1997, 272, 6979-6985.	1.6	158
108	Regulation of Pineal Î±1B-Adrenergic Receptor mRNA: Day/Night Rhythm and Î²-Adrenergic Receptor/Cyclic AMP Control. Molecular Pharmacology, 1997, 51, 551-557.	1.0	33

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109	Avian Melatonin Synthesis: Photic and Circadian Regulation of Serotonin <i>N</i>â€Acetyltransferase mRNA in the Chicken Pineal Gland and Retina. Journal of Neurochemistry, 1997, 68, 213-224.	2.1	163
110	Î±_{1D} Lâ€Type Ca²⁺â€Channel Currents: Inhibition by a Î²â€Adrenergic Agonist and Pituitary Adenylate Cyclaseâ€Activating Polypeptide (PACAP) in Rat Pinealocytes. Journal of Neurochemistry, 1997, 68, 1078-1087.	2.1	42
111	Rat pineal Î±₁â€adrenoceptor subtypes: studies using radioligand binding and reverse transcriptionâ€polymerase chain reaction analysis. British Journal of Pharmacology, 1996, 118, 1246-1252.	2.7	12
112	The Human SerotoninN-Acetyltransferase (EC 2.3.1.87) Gene (AANAT): Structure, Chromosomal Localization, and Tissue Expression. Genomics, 1996, 34, 76-84.	1.3	106
113	Orphan Nuclear Receptor RZRÎ² : Cyclic AMP Regulates Expression in the Pineal Gland. Biochemical and Biophysical Research Communications, 1996, 220, 975-978.	1.0	37
114	Research report. Brain Research, 1996, 713, 8-16.	1.1	4
115	Hydroxyindole-O-methyltransferase in Y-79 cells: regulation by serum. Brain Research, 1996, 727, 118-124.	1.1	7
116	Human hydroxyindole-O-methyltransferase in pineal gland, retina and Y79 retinoblastoma cells. Brain Research, 1995, 696, 37-48.	1.1	64
117	Circadian Expression of Transcription Factor Fra-2 in the Rat Pineal Gland. Journal of Biological Chemistry, 1995, 270, 27319-27325.	1.6	90
118	Stimulation of Cyclic GMP Accumulation by Sodium Nitroprusside Is Potentiated via a G_s Mechanism in Intact Pinealocytes. Journal of Neurochemistry, 1995, 64, 711-717.	2.1	14
119	Cloning and Characterization of the âˆ and Î¶ Isoforms of the 14-3-3 Proteins. DNA and Cell Biology, 1994, 13, 629-640.	0.9	53
120	Genetic linkage mapping for a susceptibility locus to bipolar illness: Chromosomes 2,3,4,7,9,10p,11p,22, and Xpter. American Journal of Medical Genetics Part A, 1994, 54, 206-218.	2.4	44
121	Cholera toxin-induced GsÎ± down-regulation in neural tissue: studies on the pineal gland. Brain Research, 1994, 638, 151-156.	1.1	6
122	Calcium Potentiates Cyclic AMP Stimulation of Pineal Arylalkylamine N-Acetyltransferase. Journal of Neurochemistry, 1993, 60, 1436-1443.	2.1	36
123	Single-cell [Ca2+]i analysis and biochemical characterization of pinealocytes immobilized with novel attachment peptide preparation. Brain Research, 1993, 614, 251-256.	1.1	41
124	Construction of a Yeast Artificial Chromosome Contig Spanning the Pseudoautosomal Region and Isolation of 25 New Sequence-Tagged Sites. Genomics, 1993, 16, 691-697.	1.3	21
125	Human Hydroxyindole-<i>O</i>-Methyltransferase: Presence of LINE-1 Fragment in a cDNA Clone and Pineal mRNA. DNA and Cell Biology, 1993, 12, 715-727.	0.9	49
126	Localization of the hydroxyindole-O-methyltransferase gene to the pseudoautosomal region: implications for mapping of psychiatric disorders. Human Molecular Genetics, 1993, 2, 127-131.	1.4	31

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127	The Mammalian Melatonin Rhythm Generating System. , 1993, , 55-71.		25
128	Regulation of pineal serotonin <i>N</i>-acetyltransferase activity. Biochemical Society Transactions, 1992, 20, 299-304.	1.6	68
129	Evolution of melatonin as a night signal: Contribution from a primitive photosynthetic organism. Molecular and Cellular Neurosciences, 1992, 3, 181-183.	1.0	12
130	The pineal adrenergic âť’ cyclic GMP response develops two weeks after the adrenergic âť’ cyclic AMP response. Developmental Brain Research, 1992, 68, 144-147.	2.1	10
131	Rat pineal Gsa, Gia and Goa: relative abundance and development. Brain Research, 1992, 572, 232-235.	1.1	13
132	Development of MEKA (phosducin), GÎ², GÎ³ and S-antigen in the rat pineal gland and retina. Brain Research, 1992, 585, 141-148.	1.1	24
133	Stimulus Deprivation Increases Pineal Gs?and G?. Journal of Neurochemistry, 1992, 59, 1356-1362.	2.1	9
134	Immunocytochemical demonstration of rod-opsin, S-antigen, and neuron-specific proteins in the human pineal gland. Cell and Tissue Research, 1992, 267, 493-498.	1.5	47
135	Photoneural Control of the Synthesis and Phosphorylation of Pineal MEKA (Phosducin). Endocrinology, 1991, 129, 3289-3298.	1.4	22
136	Norepinephrine Stimulates Potassium Efflux from Pinealocytes: Evidence for Involvement of Biochemical â€œANDâ€•Gate Operated by Calcium and Adenosine 3â€²,5â€²-Monophosphate*. Endocrinology, 1991, 128, 559-569.	1.4	23
137	Noradrenergic control of the synthesis of two rat pineal proteins. Brain Research, 1990, 517, 25-34.	1.1	10
138	Adenosine Stimulates Adenosine 3â€²,5â€²-Monophosphate and Guanosine 3â€²,5â€²-Monophosphate Accumulation in Rat Pinealocytes: Evidence for a Role for Adenosine in Pineal Neurotransmission*. Endocrinology, 1989, 125, 2150-2157.	1.4	31
139	[3H]AHN 086 acylates peripheral benzodiazepine receptors in the rat pineal gland. FEBS Letters, 1989, 244, 263-267.	1.3	27
140	Forskolin stimulates pinealocyte cGMP accumulation Dramatic potentiation by an Î±1-adrenergic âť’ [Ca2+]imechanism involving protein kinase C. FEBS Letters, 1989, 249, 207-212.	1.3	17
141	Immunoreactive S-antigen in cerebrospinal fluid: a marker of pineal parenchymal tumors?. Journal of Neurosurgery, 1989, 70, 682-687.	0.9	17
142	Permissive Role of Calcium in ?1-Adrenergic Stimulation of Pineal Phosphatidylinositol Phosphodiesterase (Phospholipase C) Activity. Journal of Pineal Research, 1988, 5, 553-564.	3.4	26
143	Activators of Protein Kinase C Act at a Postreceptor Site to Amplify Cyclic AMP Production in Rat Pinealocytes. Journal of Neurochemistry, 1988, 50, 149-155.	2.1	63
144			

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145	Î±1-Adrenergic Potentiation of Vasoactive Intestinal Peptide Stimulation of Rat Pinealocyte Adenosine 3â€²,5â€²-Monophosphate and Guanosine 3â€²,5â€²- Monophosphate: Evidence for a Role of Calcium and Protein Kinase-C. Endocrinology, 1988, 122, 702-708.	1.4	63
146	Negative Feedback Mechanisms: Evidence that Desensitization of Pineal Î±1-Adrenergic Responses Involves Protein Kinase-C. Endocrinology, 1988, 123, 1425-1432.	1.4	16
147	Dual Receptor Regulation of Cyclic Nucleotides: Î±1-Adrenergic Potentiation of Vasoactive Intestinal Peptide Stimulation of Pinealocyte Adenosine 3â€², 5â€² -Monophosphate. Endocrinology, 1988, 122, 1646-1651.	1.4	37
148	[68] Hydroxyindole O-methyltransferase. Methods in Enzymology, 1987, 142, 590-596.	0.4	50
149	Transmembrane receptor cross-talk: Concurrent VIP and Î±1-adrenergic activation rapidly elevates pinealocyte cGMP > 100-fold. Biochemical and Biophysical Research Communications, 1987, 146, 1478-1484.	1.0	36
150	Cardiac glycosides stimulate phospholipase C activity in rat pinealocytes. Biochemical and Biophysical Research Communications, 1987, 142, 819-825.	1.0	13
151	Ethanol inhibits dual receptor stimulation of pineal cAMP and cGMP by vasoactive intestinal peptide and phenylephrine. Biochemical and Biophysical Research Communications, 1987, 147, 145-151.	1.0	21
152	A Simple and Rapid Method for the Purification of Ovine Pineal Arylalkylamine N-Acetyltransferase. Journal of Neurochemistry, 1987, 48, 580-585.	2.1	10
153	Phosphatidylinositol Phosphodiesterase (Phospholipase C) Activity in the Pineal Gland: Characterization and Photoneural Regulation. Journal of Neurochemistry, 1987, 48, 1033-1038.	2.1	17
154	Characterization of benzodiazepine receptors in the bovine pineal gland: evidence for the presence of an atypical binding site. Molecular Brain Research, 1986, 1, 127-135.	2.5	32
155	Subfornical organ: Effects of salt loading and water deprivation on in vitro radioamino acid incorporation into individual proteins. Brain Research, 1986, 372, 107-114.	1.1	5
156	Development and Regulation of Rhodopsin Kinase in Rat Pineal and Retina. Journal of Neurochemistry, 1986, 46, 1176-1179.	2.1	25
157	Purification of Rat Pineal Hydroxyindole-O-Methyltransferase Using S-Adenosyl-L-Homocysteine Agarose Chromatography. Journal of Pineal Research, 1986, 3, 389-395.	3.4	8
158	ADRENERGIC REGULATION OF CYCLIC AMP AND CYCLIC GMP IN RAT PINEALOCYTES. , 1986, , 293-305.		1
159	Isolation of cDNAs for Bovine S-Antigen. , 1986, , 331-342.		2
160	Sâ€“ANTIGEN IMMUNOCYTOCHEMISTRY. , 1986, , 343-355.		11
161	Phospholipid-Protein Kinase C Involvement in the Adrenergic Regulation of Pinealocyte Cyclic AMP: A Model of How Modulators Act?. , 1986, , 113-120.		0
162	Activation of protein kinase C potentiates isoprenaline-induced cyclic AMP accumulation in rat pinealocytes. Nature, 1985, 314, 359-361.	13.7	416

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