David C Klein

List of Publications by Year
in descending order

224	14,331	22132	24232
papers	citations	59 h-index	110 g-index

225	225	225	6542
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Lhx4 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 Bsx 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	NeuroD1 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 Nâ€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 Nâ€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 cis-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 Pax4 and Pax6 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 ArylalkylamineN-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	Regulation of Arylalkylamine N-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	27
88	Melatonin synthesis. NeuroReport, 2000, 11, 255-258.	0.6	49
89	Characterization of the Chicken SerotoninN-Acetyltransferase Gene. Journal of Biological Chemistry, 2000, 275, 32991-32998.	1.6	132
90	GCN5-Related N-Acetyltransferases: A Structural Overview. Annual Review of Biophysics and Biomolecular Structure, 2000, 29, 81-103.	18.3	407

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91	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
92	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
93	Rat arylalkylamine Nâ€acetyltransferase gene: Upstream and intronic components of a bipartite promoter. Biology of the Cell, 1999, 91, 699-705.	0.7	33
94	Zebrafish Serotonin N-Acetyltransferase-2: Marker for Development of Pineal Photoreceptors and Circadian Clock Function1. Endocrinology, 1999, 140, 4895-4903.	1.4	126
95	Two Arylalkylamine N-Acetyltransferase Genes Mediate Melatonin Synthesis in Fish. Journal of Biological Chemistry, 1999, 274, 9076-9082.	1.6	94
96	Melatonin Biosynthesis. Molecular Cell, 1999, 3, 23-32.	4.5	121
97	The Structural Basis of Ordered Substrate Binding by Serotonin N-Acetyltransferase. Cell, 1999, 97, 361-369.	13.5	154
98	Ovine Arylalkylamine N-Acetyltransferase in the Pineal and Pituitary Glands: Differences in Function and Regulation*. Endocrinology, 1999, 140, 972-978.	1.4	24
99	Rat arylalkylamine N-acetyltransferase gene: Upstream and intronic components of a bipartite promoter. , 1999, 91, 699.		7
100	Zebrafish Serotonin N-Acetyltransferase-2: Marker for Development of Pineal Photoreceptors and Circadian Clock Function. Endocrinology, 1999, 140, 4895-4903.	1.4	42
101	Ovine Arylalkylamine N-Acetyltransferase in the Pineal and Pituitary Glands: Differences in Function and Regulation. Endocrinology, 1999, 140, 972-978.	1.4	12
102	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
103	Circadian expression of tryptophan hydroxylase mRNA in the chicken retina. Molecular Brain Research, 1998, 61, 243-250.	2.5	53
104	Natural melatonin `knockdown' in C57BL/6J mice: rare mechanism truncates serotonin N-acetyltransferase. Molecular Brain Research, 1998, 63, 189-197.	2.5	258
105	Melatonin Production: Proteasomal Proteolysis in Serotonin N-Acetyltransferase Regulation. Science, 1998, 279, 1358-1360.	6.0	262
106	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
107	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
108	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	3

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109	The Molecular Basis of the Pineal Melatonin Rhythm. , 1998, , .		4
110	The Rat Arylalkylamine N-Acetyltransferase Gene Promoter. Journal of Biological Chemistry, 1997, 272, 6979-6985.	1.6	158
111	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
112	Avian Melatonin Synthesis: Photic and Circadian Regulation of Serotonin Nâ€Acetyltransferase mRNA in the Chicken Pineal Gland and Retina. Journal of Neurochemistry, 1997, 68, 213-224.	2.1	163
113	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
114	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
115	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
116	Orphan Nuclear Receptor RZRÎ² : Cyclic AMP Regulates Expression in the Pineal Gland. Biochemical and Biophysical Research Communications, 1996, 220, 975-978.	1.0	37
117	Research report. Brain Research, 1996, 713, 8-16.	1.1	4
118	Hydroxyindole-O-methyltransferase in Y-79 cells: regulation by serum. Brain Research, 1996, 727, 118-124.	1.1	7
119	Human hydroxyindole-O-methyltransferase in pineal gland, retina and Y79 retinoblastoma cells. Brain Research, 1995, 696, 37-48.	1.1	64
120	Circadian Expression of Transcription Factor Fra-2 in the Rat Pineal Gland. Journal of Biological Chemistry, 1995, 270, 27319-27325.	1.6	90
121	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
122	Cloning and Characterization of the â^ and Î¶ Isoforms of the 14-3-3 Proteins. DNA and Cell Biology, 1994, 13, 629-640.	0.9	53
123	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
124	Cholera toxin-induced GsÎ± down-regulation in neural tissue: studies on the pineal gland. Brain Research, 1994, 638, 151-156.	1.1	6
125	Calcium Potentiates Cyclic AMP Stimulation of Pineal Arylalkylamine N-Acetyltransferase. Journal of Neurochemistry, 1993, 60, 1436-1443.	2.1	36
126	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

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127	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
128	Human Hydroxyindole-O-Methyltransferase: Presence of LINE-1 Fragment in a cDNA Clone and Pineal mRNA. DNA and Cell Biology, 1993, 12, 715-727.	0.9	49
129	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
130	The Mammalian Melatonin Rhythm Generating System. , 1993, , 55-71.		25
131	Regulation of pineal serotonin N-acetyltransferase activity. Biochemical Society Transactions, 1992, 20, 299-304.	1.6	68
132	Evolution of melatonin as a night signal: Contribution from a primitive photosynthetic organism. Molecular and Cellular Neurosciences, 1992, 3, 181-183.	1.0	12
133	The pineal adrenergic â†' cyclic GMP response develops two weeks after the adrenergic â†' cyclic AMP response. Developmental Brain Research, 1992, 68, 144-147.	2.1	10
134	Rat pineal Gsa, Gia and Goa: relative abundance and development. Brain Research, 1992, 572, 232-235.	1.1	13
135	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
136	Stimulus Deprivation Increases Pineal Gs?and G?. Journal of Neurochemistry, 1992, 59, 1356-1362.	2.1	9
137	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
138	Photoneural Control of the Synthesis and Phosphorylation of Pineal MEKA (Phosducin). Endocrinology, 1991, 129, 3289-3298.	1.4	22
139	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
140	Noradrenergic control of the synthesis of two rat pineal proteins. Brain Research, 1990, 517, 25-34.	1.1	10
141	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
142	[3H]AHN 086 acylates peripheral benzodiazepine receptors in the rat pineal gland. FEBS Letters, 1989, 244, 263-267.	1.3	27
143	Forskolin stimulates pinealocyte cGMP accumulation Dramatic potentiation by an Î±1-adrenergic â†' [Ca2+]imechanism involving protein kinase C. FEBS Letters, 1989, 249, 207-212.	1.3	17
144	Immunoreactive S-antigen in cerebrospinal fluid: a marker of pineal parenchymal tumors?. Journal of Neurosurgery, 1989, 70, 682-687.	0.9	17

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145	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
146	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
147			

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163	Sâ€“ANTIGEN IMMUNOCYTOCHEMISTRY. , 1986, , 343-355.		11
164	Phospholipid-Protein Kinase C Involvement in the Adrenergic Regulation of Pinealocyte Cyclic AMP: A Model of How Modulators Act?. , 1986, , 113-120.		0
165	Activation of protein kinase C potentiates isoprenaline-induced cyclic AMP accumulation in rat pinealocytes. Nature, 1985, 314, 359-361.	13.7	416
166	Regulation of Rat Pineal ?1-Adrenoceptors. Journal of Neurochemistry, 1985, 44, 63-67.	2.1	27
167	Ovine Pineal Indoles: Effects of l-Tryptophan or l-5-Hydroxytryptophan Administration. Journal of Neurochemistry, 1985, 44, 769-772.	2.1	24
168	Immunocytochemical demonstration of retinal S-antigen in the pineal organ of four mammalian species. Cell and Tissue Research, 1985, 239, 81-85.	1.5	132
169	The pineal family of aromatic amineN-acetyltransferases. BioEssays, 1985, 3, 217-220.	1.2	4
170	Atypical SynergisticÎ±1- andÎ²-Adrenergic Regulation of Adenosine 3â€²,5â€²-Monophosphate and Guanosine 3â€²,5â€²-Monophosphate in Rat Pinealocytes. Endocrinology, 1985, 116, 2167-2173.	1.4	252
171	Development of the rat pineal #x003B1;1-adrenoceptor. Brain Research, 1985, 325, 345-348.	1.1	15
172	Photoneural Regulation of the Mammalian Pineal Gland. Novartis Foundation Symposium, 1985, 117, 38-56.	1.2	180
173	Rat PinealÎ±₁-Adrenoceptors: Identification and Characterization Using [¹²⁵I]Iodo-2-[Î²-(4-Hydroxyphenyl)-Ethylaminomethyl]Tetralone. Endocrinology, 1984, 114, 435-440.	1.4	63
174	Effect of Acute Light Exposure Upon Melatonin Content, NAT Activity, and Nuclear Volume in the Gerbil Pineal Complex. Journal of Pineal Research, 1984, 1, 339-347.	3.4	14
175	Regulation of â€œperipheral-typeâ€•binding sites for benzodiazepines in the pineal gland. Pharmacology Biochemistry and Behavior, 1984, 21, 821-824.	1.3	29
176	In vitro [35S]methionine-labeled protein synthesis in microdissected discrete brain areas: Marked regional differences revealed by two-dimensional gel electrophoresis. Electrophoresis, 1984, 5, 116-121.	1.3	12
177	Alpha-adrenergic potentiation of beta-adrenergic stimulation of rat pineal N-acetyltransferase. Biochemical Pharmacology, 1984, 33, 3947-3950.	2.0	45
178	The circadian rhythm of oxytocin in primate cerebrospinal fluid: effects of destruction of the suprachiasmatic nuclei. Brain Research, 1984, 307, 384-387.	1.1	25
179	Regulation of Rat Pineal Hydroxyindole-O-Methyltransferase in Neonatal and Adult Rats. Journal of Neurochemistry, 1983, 40, 1647-1653.	2.1	56
180	Adrenergic stimulation of rat pineal hydroxyindole-O-methyltransferase. Brain Research, 1983, 265, 348-351.	1.1	30

#	Article	IF	Citations
181	Î²-Adrenergic Receptor Control of Rat Pineal Hydroxyindole-O-Methyltransferase*. Endocrinology, 1983, 113, 348-353.	1.4	40
182	Reciprocal Day/Night Relationship between Serotonin Oxidation and N-Acetylation Products in the Rat Pineal Gland[*]. Endocrinology, 1983, 113, 1582-1586.	1.4	95
183	Control of the circadian rhythm in pineal serotonin N-acetyltransferase activity: possible role of protein thiol: disulfide exchange. Trends in Biochemical Sciences, 1982, 7, 98-102.	3.7	15
184	Effects of fluorine analogs of norepinephrine on stimulation of cyclic adenosine 3â€²,5â€²- monophosphate and binding to Î²-adrenergic receptors in intact pinealocytes. Biochemical Pharmacology, 1981, 30, 1085-1089.	2.0	8
185	The effects of environmental lighting on the daily melatonin rhythm in primate cerebrospinal fluid. Brain Research, 1981, 223, 313-323.	1.1	36
186	Daily Rhythms in Cortisol and Melatonin in Primate Cerebrospinal Fluid. Neuroendocrinology, 1981, 32, 193-196.	1.2	46
187	Adrenergic-cyclic AMP regulation of biopterin biosynthesis in the pineal gland. , 1981, , 231-239.		1
188	Inactivation of pineal N-acetyltransferase by disulfide exchange: a possible role of S-S peptides. , 1981, , 711-722.		1
189	Melatonin Inhibition of the <i>in vivo</i> Pituitary Response to Luteinizing Hormone-Releasing Hormone in the Neonatal Rat. Neuroendocrinology, 1980, 31, 13-17.	1.2	51
190	Studies on the Daily Pattern of Pineal Melatonin in the Syrian Hamster. Endocrinology, 1980, 107, 1525-1529.	1.4	78
191	Ontogeny of the Pineal Melatonin Rhythm in the Syrian (Mesocricetus auratus) and Siberian (Phodopus sungorus) Hamsters and in the Rat. Endocrinology, 1980, 107, 1061-1064.	1.4	128
192	Effects of 6-Hydroxy-, 6-Fluoro-, and 4,6-Difluoromelatonin on the in Vitro Pituitary Response to Luteinizing Hormone-Releasing Hormone*. Endocrinology, 1980, 106, 398-401.	1.4	16
193	Photic regulation of the melatonin rhythm: monkey and man are not the same. Brain Research, 1980, 182, 211-216.	1.1	53
194	Rapid and reversible activation of acetyl CoA hydrolase in intact pineal cells by disulfide exchange. Biochemical and Biophysical Research Communications, 1980, 96, 188-195.	1.0	16
195	Cerebrospinal Fluid Melatonin. , 1980, , 579-589.		10
196	A Diurnal Melatonin Rhythm in Primate Cerebrospinal Fluid*. Endocrinology, 1979, 104, 295-301.	1.4	144
197	MATERNAL-FETAL TRANSFER OF MELATONIN IN THE NON-HUMAN PRIMATE. Pediatric Research, 1979, 13, 788-791.	1.1	110
198	Pineal N-acetyltransferase and hydroxyindole-O-methyl-transferase: control by the retinohypothalamic tract and the suprachiasmatic nucleus. Brain Research, 1979, 174, 245-262.	1.1	565

#	Article	IF	Citations
199	Regulation of Pineal Melatonin in the Syrian Hamster. Endocrinology, 1979, 104, 385-389.	1.4	168
200	Transport of Maternal [3H]Melatonin to Suckling Rats and the Fate of [³H]Melatonin in the Neonatal Rat. Endocrinology, 1978, 102, 582-588.	1.4	99
201	Inhibition of thein VitroPituitary Response to Luteinizing Hormone-Releasing Hormone by Melatonin, Serotonin, and 5-Methoxytryptamine¹. Endocrinology, 1977, 100, 675-680.	1.4	111
202	Increase caused by desmethylimipramine in the production of [3H]melatonin by isolated pineal glands. Biochemical Pharmacology, 1977, 26, 904-905.	2.0	21
203	On GABA function and physiology in the pineal gland. Brain Research, 1976, 118, 383-394.	1.1	40
204	Sympathetic Nerve Endings in the Pineal Gland Protect Against Acute Stress-Induced Increase in N-Acetyltransferase (EC 2.3.1.5.) Activity. Endocrinology, 1976, 99, 840-851.	1.4	130
205	Long-Term Organ Culture of Rat Anterior Pituitary Glands1. Endocrinology, 1976, 99, 1189-1198.	1.4	14
206	A PROTECTIVE ROLE OF NERVE ENDINGS IN THE STRESS-STIMULATED INCREASE IN PINEAL N-ACETYLTRANSFERASE ACTIVITY. , 1976, , 119-128.		4
207	Regulation of Pineal Rhythms in Chickens: Refractory Period and Nonvisual Light Perception¹. Endocrinology, 1975, 96, 848-853.	1.4	78
208	Regulation of Pineal Rhythms in Chickens: Effects of Blinding, Constant Light, Constant Dark, and Superior Cervical Ganglionectomy. Endocrinology, 1975, 97, 1373-1378.	1.4	109
209	Visual pathways and the central neural control of a circadian rhythm in pineal serotonin N-acetyltransferase activity. Brain Research, 1974, 71, 17-33.	1.1	672
210	Absence of choline acetyltransferase in rat and rabbit pineal gland. Brain Research, 1974, 79, 347-351.	1.1	48
211	Dopaminergic neurons in explants of substantia nigra in culture. Journal of Neurobiology, 1973, 4, 461-470.	3.7	33
212	Beta-adrenergic regulation of serotonin in the cultured rat pineal gland. Life Sciences, 1973, 13, lxxxvi-lxxxvii.	2.0	0
213	BETA-ADRENERGIC REGULATION OF INDOLE METABOLISM IN THE PINEAL GLAND. , 1973, , 321-325.		4
214	Effect of Norepinephrine on the Concentration of Adenosine 3â€²,5â€²-Monophosphate of Rat Pineal Gland in Organ Culture. Endocrinology, 1972, 90, 1470-1475.	1.4	105
215	Evidence for the Placental Transfer of 3H-Acetyl-Melatonin. Nature: New Biology, 1972, 237, 117-118.	4.5	59
216	Pineal Gland in Organ Culture. II. Role of Adenosine 3â€²,5â€²-Monophosphate in the Regulation of Radiolabeled Melatonin Production. Endocrinology, 1971, 89, 453-464.	1.4	45

#	Article	IF	Citations
217	Role of Adenosine-3â€²,5â€²-Monophosphate in the Hormonal Regulation of Bone Resorption: Studies with Cultured Fetal Bone1. Endocrinology, 1971, 89, 818-826.	1.4	103
218	Pineal N-acetyltransferase Activity in Blinded and Anosmic Male Rats12. Endocrinology, 1971, 89, 1020-1023.	1.4	31
219	Relation of the Pineal Gland and Environmental Lighting to Thyroid Function in the Rat. Neuroendocrinology, 1970, 6, 247-254.	1.2	22
220	Input and output signals in a model neural system: The regulation of melatonin production in the pineal gland. In Vitro, 1970, 6, 197-204.	1.2	59
221	Prostaglandins: Stimulation of Bone Resorption in Tissue Culture. Endocrinology, 1970, 86, 1436-1440.	1.4	938
222	Pineal Hydroxyindole-O-methyl Transferase Activity in the Growing Rat. Endocrinology, 1969, 84, 1523-1525.	1.4	60
223	Thin-layer chromatographic separation of pineal gland derivatives of serotonin-14C. Analytical Biochemistry, 1969, 31, 480-483.	1.1	66
224	Thyrocalcitonin Suppression of Hydroxyproline Release from Bone. Experimental Biology and Medicine, 1968, 127, 95-99.	1.1	16