Efrain C Azmitia

List of Publications by Year
in descending order

100 papers	7,999 citations	53751 45 h-index	48277 88 g-index
103 all docs	103 docs citations	103 times ranked	4627 citing authors

#	Article	IF	Citations
1	Evolution of serotonin: sunlight to suicide. Handbook of Behavioral Neuroscience, 2020, , 3-22.	0.7	15
2	Developmental microglial priming in postmortem autism spectrum disorder temporal cortex. Brain, Behavior, and Immunity, 2017, 62, 193-202.	2.0	64
3	Contribution of olivofloccular circuitry developmental defects to atypical gaze in autism. Brain Research, 2013, 1512, 106-122.	1.1	46
4	Increased serotonin axons (immunoreactive to 5-HT transporter) in postmortem brains from young autism donors. Neuropharmacology, 2011, 60, 1347-1354.	2.0	96
5	Dystrophic Serotonin Axons in Postmortem Brains from Young Autism Patients. Anatomical Record, 2011, 294, 1653-1662.	0.8	40
6	Evolution of Serotonin: Sunlight to Suicide. Handbook of Behavioral Neuroscience, 2010, 21, 3-22.	0.7	21
7	The skin as a mirror of the soul: exploring the possible roles of serotonin. Experimental Dermatology, 2008, 17, 301-311.	1.4	106
8	Dystrophic serotonergic axons in neurodegenerative diseases. Brain Research, 2008, 1217, 185-194.	1.1	54
9	Serotonin and Brain: Evolution, Neuroplasticity, and Homeostasis. International Review of Neurobiology, 2007, 77, 31-56.	0.9	128
10	Serotonin 1A receptor coupling to NF-Î°B studied using inducible receptor expression in hippocampal neuron-derived cells. Signal Transduction, 2007, 7, 260-269.	0.7	0
11	Cajal and brain plasticity: Insights relevant to emerging concepts of mind. Brain Research Reviews, 2007, 55, 395-405.	9.1	26
12	The SATOL Project. Journal of Evidence-based Social Work, 2006, 3, 39-54.	0.7	10
13	Expression of serotonergic receptors in psoriatic skin. Archives of Dermatological Research, 2006, 298, 99-106.	1.1	47
14	Gender-specific 5-HT1A receptor changes in BrdU nuclear labeling patterns in neonatal dentate gyrus. Developmental Brain Research, 2005, 157, 65-73.	2.1	4
15	Serotonin1AReceptors at the Axon Initial Segment of Prefrontal Pyramidal Neurons in Schizophrenia. American Journal of Psychiatry, 2004, 161, 739-742.	4.0	73
16	Chapter 8 Cajal's hypotheses on neurobiones and neurotropic factor match properties of microtubules and S-100Î². Progress in Brain Research, 2002, 136, 87-100.	0.9	22
17	Glial fibrillary acidic protein immunoreactive astrocytes in developing rat hippocampus. Mechanisms of Ageing and Development, 2002, 123, 481-490.	2.2	74
18	Deviations in brain early serotonergic development as a result of fetal alcohol exposure. Neurotoxicity Research, 2002, 4, 337-342.	1.3	41

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19	Modern views on an ancient chemical: serotonin effects on cell proliferation, maturation, and apoptosis. Brain Research Bulletin, 2001, 56, 413-424.	1.4	444
20	Neuronal instability: implications for Rett's syndrome. Brain and Development, 2001, 23, S1-S10.	0.6	46
21	Impact of Drugs and Alcohol on the Brain Through the Life Cycle. Journal of Social Work Practice in the Addictions, 2001, 1, 41-63.	0.4	12
22	Pyramidal cell axons show a local specialization for GABA and 5-HT inputs in monkey and human cerebral cortex. Journal of Comparative Neurology, 2001, 433, 148-155.	0.9	84
23	Colchicine-induced cytoskeletal collapse and apoptosis in N-18 neuroblastoma cultures is rapidly reversed by applied S-100Î². Brain Research, 2001, 912, 9-16.	1.1	46
24	Trophic interactions between brain-derived neurotrophic factor and S100Î² on cultured serotonergic neurons. Brain Research, 2000, 868, 113-118.	1.1	36
25	Growth inhibitory effects of a mu opioid on cultured cholinergic neurons from fetal rat ventral forebrain, brainstem, and spinal cord. Developmental Brain Research, 1999, 114, 69-77.	2.1	12
26	Agonist- and antagonist-induced plasticity of rat 5-HT1A receptor in hippocampal cell culture. , 1999, 31, 186-195.		23
27	Homologous regulation of 5-HT1A receptor mRNA in adult rat hippocampal dentate gyrus. Neuroscience Letters, 1999, 270, 5-8.	1.0	15
28	S100Î² promotes the extension of microtubule associated protein2 (MAP2)-immunoreactive neurites retracted after colchicine treatment in rat spinal cord culture. Neuroscience Letters, 1997, 229, 212-214.	1.0	24
29	Activation of Protein Kinase C (PKC) by 3,4-Methylenedioxymethamphetamine (MDMA) Occurs Through the Stimulation of Serotonin Receptors and Transporter. Neuropsychopharmacology, 1997, 17, 117-129.	2.8	31
30	Transgenic mice overexpressing the neurotrophic factor S-100Î² show neuronal cytoskeletal and behavioral signs of altered aging processes: implications for Alzheimer's disease and Down's syndrome. Brain Research, 1997, 776, 51-60.	1.1	121
31	5-HT1A receptor agonist reverses adrenalectomy-induced loss of granule neuronal morphology in the rat dentate gyrus. Neurochemical Research, 1997, 22, 1329-1337.	1.6	15
32	Prenatal cocaine delays astroglial maturation: immunodensitometry shows increased markers of immaturity (vimentin and GAP-43) and decreased proliferation and production of the growth factor S-100. Developmental Brain Research, 1996, 91, 268-273.	2.1	44
33	5-HT1A receptor expression is modulated by corticosteroid receptor agonists in primary rat hippocampal culture. Brain Research, 1996, 722, 190-194.	1.1	19
34	Neuro-glial neurotrophic interaction in the S-100Î² retarded mutant mouse (Polydactyly Nagoya). III. Transplantation study. Brain Research, 1996, 738, 15-23.	1.1	8
35	Enhanced synaptophysin immunoreactivity in rat hippocampal culture by 5-HT1A agonist, S100b, and corticosteroid receptor agonists. , 1996, 23, 1-9.		45
36	Cellular localization of the 5-HT receptor in primate brain neurons and glial cells. Neuropsychopharmacology, 1996, 14, 35-46.	2.8	270

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37	Role of neuropeptide Y projection on the development of serotonergic innervation in the suprachiasmatic nucleus of the rat, shown by triple intraocular grafts. Brain Research, 1995, 673, 325-330.	1.1	12
38	5-HT1A agonist and dexamethasone reversal of para-chloroamphetamine induced loss of MAP-2 and synaptophysin immunoreactivity in adult rat brain. Brain Research, 1995, 677, 181-192.	1.1	105
39	3,4-methylenedioxymethamphetamine (â€˜Ecstasyâ€™) promotes the translocation of protein kinase C (PKC): requirement of viable serotonin nerve terminals. Brain Research, 1995, 680, 1-8.	1.1	21
40	Activation of glycogen phosphorylase by serotonin and 3,4-methylenedioxymethamphetamine in astroglial-rich primary cultures: involvement of the 5-HT2A receptor. Brain Research, 1995, 680, 9-15.	1.1	53
41	Increased 5-HT1A receptor immunoreactivity in the rat hippocampus following 5,7-dihydroxytryptamine lesions in the cingulum bundle and fimbria-fornix. Behavioural Brain Research, 1995, 73, 319-323.	1.2	35
42	Rapid serotonergic fiber sprouting in response to ibotenic acid lesion in the striatum and hippocampus. Developmental Brain Research, 1995, 84, 89-98.	2.1	45
43	MDMA (Ecstasy) Inhibition of MAO Type A and Type B: Comparisons with Fenfluramine and Fluoxetine (Prozac). Neuropsychopharmacology, 1994, 10, 231-238.	2.8	130
44	In vitro release of [3H]5-hydroxytryptamine from fetal and maternal brain by drugs of abuse. Developmental Brain Research, 1994, 78, 142-146.	2.1	27
45	Specificity versus Redundancy of Melanocortins in Nerve Regeneration. Annals of the New York Academy of Sciences, 1994, 739, 60-73.	1.8	20
46	Neuro-glial neurotrophic interaction in the S-100Î² retarded mutant mouse (Polydactyly Nagoya). I. Immunocytochemical and neurochemical studies. Brain Research, 1994, 633, 275-283.	1.1	43
47	Neuro-glial neurotrophic interaction in the S-100Î² retarded mutant mouse (Polydactyly Nagoya). II. Co-cultures study. Brain Research, 1994, 633, 284-288.	1.1	29
48	Glial-derived S100b protein selectively inhibits recombinant Î² protein kinase C (PKC) phosphorylation of neuron-specific protein F1/GAP43. Molecular Brain Research, 1994, 21, 62-66.	2.5	59
49	Prenatal cocaine decreases the trophic factor S-100Î² and induced microcephaly: Reversal by postnatal 5-HT1A receptor agonist. Neuroscience Letters, 1994, 170, 141-144.	1.0	82
50	Dexamethasone Reverses Adrenalectomyâ€Induced Neuronal Deâ€differentiation in Midbrain Rapheâ€Hippocampus Axisa. Annals of the New York Academy of Sciences, 1994, 746, 180-193.	1.8	18
51	Steroid Regulation of Neuronotrophic Activity: Primary Microcultures of Midbrain Raphe and Hippocampus. Methods in Neurosciences, 1994, 22, 359-371.	0.5	3
52	Istvan TÃ¶rk 1939-1992. Journal of Comparative Neurology, 1993, 333, 149-150.	0.9	0
53	Localization of 5-HT1A receptors to astroglial cells in adult rats: Implications for neuronal-glial interactions and psychoactive drug mechanism of action. Synapse, 1993, 14, 201-205.	0.6	229
54	Intraocular co-grafts of fetal dorsal raphe nucleus and suprachiasmatic nucleus. Brain Research, 1993, 605, 181-186.	1.1	9

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55	Loss of 5-HT1A receptor mRNA in the dentate gyrus of the long-term adrenalectomized rats and rapid reversal by dexamethasone. Molecular Brain Research, 1993, 19, 328-332.	2.5	40
56	Rapid neurotrophic actions of an ACTH/MSH(4â€“9) analogue after nigrostriatal 6-OHDA lesioning. Peptides, 1993, 14, 1317-1324.	1.2	23
57	The Role of 5-HT1A Receptors in Development and Adult Plasticity of the Serotonergic System. , 1993, , 207-213.		1
58	Chapter 39: S100Î² and serotonin: a possible astrocytic-neuronal link to neuropathology of Alzheimer's disease. Progress in Brain Research, 1992, , 459-473.	0.9	33
59	Antipeptide antibodies against the 5-HT1A receptor. Journal of Chemical Neuroanatomy, 1992, 5, 289-298.	1.0	47
60	The substituted amphetamines 3,4-methylenedioxymethamphetamine, methamphetamine, p-chloroamphetamine and fenfluramine induce 5-hydroxytryptamine release via a common mechanism blocked by fluoxetine and cocaine. European Journal of Pharmacology, 1992, 215, 153-160.	1.7	177
61	DIfferential effects of prenatal and postnatal acth or nicotine exposure on 5-HT high affinity uptake in the neonatal rat brain. International Journal of Developmental Neuroscience, 1991, 9, 281-286.	0.7	41
62	Role of High Affinity Serotonin Receptors in Neuronal Growth. Annals of the New York Academy of Sciences, 1990, 600, 315-330.	1.8	67
63	Plasticity of Fetal and Adult CNS Serotonergic Neurons: Role of Growth-Regulatory Factors. Annals of the New York Academy of Sciences, 1990, 600, 343-363.	1.8	28
64	Stimulation of astroglial 5-HT1A receptors releases the serotonergic growth factor, protein S-100, and alters astroglial morphology. Brain Research, 1990, 528, 155-158.	1.1	299
65	Enhanced spatial discrimination learning in rats following 5,7-DHT-induced serotonergic deafferentation of the hippocampus. Brain Research, 1990, 518, 61-66.	1.1	92
66	Microcultures of Dissociated Primary Central Nervous System Neurons. Methods in Neurosciences, 1990, 2, 263-275.	0.5	178
67	Stimulation of astroglial serotonin receptors produces culture media which regulates growth of serotonergic neurons. Brain Research, 1989, 497, 80-85.	1.1	138
68	Transplanted raphe and hippocampal fetal neurons do not displace afferent inputs to the dorsal hippocampus from serotonergic neurons in the median raphe nucleus of the rat. Brain Research, 1988, 450, 51-59.	1.1	20
69	Use of tissue culture models to study neuronal regulatory trophic and toxic factors in the aged brain. Neurobiology of Aging, 1988, 9, 743-758.	1.5	22
70	Chapter 54 Laminin directs and facilitates migration and fiber growth of transplanted serotonin and norepinephrine neurons in adult brain. Progress in Brain Research, 1988, 78, 413-426.	0.9	14
71	Chapter 27 ACTH neuropeptide stimulation of serotonergic neuronal maturation in tissue culture: modulation by hippocampal cells. Progress in Brain Research, 1987, 72, 311-318.	0.9	51
72	Postnatal changes in serotonin1 receptors following prenatal alterations in serotonin levels: further evidence for functional fetal serotonin1 receptors. Developmental Brain Research, 1987, 33, 285-289.	2.1	134

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73	Autoregulation of fetal serotonergic neuronal development: Role of high affinity serotonin receptors. Neuroscience Letters, 1986, 67, 307-312.	1.0	152
74	Induced homotypic sprouting of serotonergic fibers in hippocampus. II. An immunocytochemistry study. Brain Research, 1986, 373, 337-348.	1.1	72
75	Fetal raphe neurons grafted into the hippocampus develop normal adult physiological properties. Brain Research, 1986, 364, 162-166.	1.1	47
76	Searching for an ill-defined brain function results in an uneasy reconciliation. Behavioral and Brain Sciences, 1986, 9, 335-336.	0.4	1
77	[3H]5-Hydroxytryptamine Binding to Brain Astroglial Cells: Differences Between Intact and Homogenized Preparations and Mature and Immature Cultures. Journal of Neurochemistry, 1986, 46, 1186-1189.	2.1	53
78	The effect of adrenalectomy and corticosterone on homotypic collateral sprouting of serotonergic fibers in hippocampus. Neuroscience Letters, 1985, 54, 111-116.	1.0	31
79	Serotonin turnover in raphe neurons transplanted into rat hippocampus. Neuroscience Letters, 1985, 61, 147-152.	1.0	38
80	Intrahypothalamic 5,7-dihydroxytryptamine: Temporal analysis of effects on 5-hydroxytryptamine content in brain nuclei and on facilitated lordosis behavior. Brain Research, 1985, 340, 127-133.	1.1	61
81	Atlas of serotonergic cell bodies in the cat brainstem: An immunocytochemical analysis. Brain Research Bulletin, 1984, 13, 1-31.	1.4	120
82	Tryptophan hydroxylase in hippocampus and midbrain following unilateral injection of 5,7-dihydroxytryptamine. Brain Research, 1984, 307, 125-133.	1.1	23
83	Induced homotypic collateral sprouting of serotonergic fibers in the hippocampus of rat. Brain Research, 1984, 308, 53-62.	1.1	69
84	Regeneration of serotonergic fibers in the rat hypothalamus following unilateral 5,7-dihydroxytryptamine injection. Brain Research, 1984, 298, 273-282.	1.1	64
85	Adult development of the hippocampal-serotonin system of C57BL/6N mice; analysis of high-affinity uptake of 3H-5HT in slices and synaptosomes. Neurochemistry International, 1983, 5, 39-44.	1.9	25
86	Effects of 5,7-dihydroxytryptamine on HRP retrograde transport from hippocampus to midbrain raphe nuclei in the rat. Brain Research Bulletin, 1983, 10, 445-451.	1.4	53
87	Formation of a glial scar following microinjection of fetal neurons into the hippocampus or midbrain of the adult rat: An immunocytochemical study. Neuroscience Letters, 1983, 38, 145-150.	1.0	67
88	Intrahypothalamic 5,7-dihydroxytryptamine facilitates feminine sexual behavior and decreases [3H]imipramine binding and 5-HT uptake. Brain Research, 1983, 264, 344-348.	1.1	54
89	The effect of intracerebral injections of 5,7-dihydroxytryptamine and 6-hydroxydopamine on the serotonin-immunoreactive cell bodies and fibers in the adult rat hypothalamus. Brain Research, 1983, 261, 91-99.	1.1	54
90	Age-related changes in EGF and protease in submandibular glands of C57BL/6J mice. Experimental Aging Research, 1982, 8, 87-90.	0.6	12

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91	Age-Related Changes in EGF and Protease in Submandibular Glands of C57BL/6J Mice1,4. Gerodontology, 1982, 1, 81-84.	0.8	2
92	Hippocampal serotonin re-uptake and nocturnal locomotor activity after microinjections of 5,7-DHT in the fornix-fimbria. Brain Research, 1981, 207, 95-107.	1.1	114
93	The immunocytochemical localization of serotonergic neurons in the rat hypothalamus. Neuroscience Letters, 1981, 24, 227-232.	1.0	90
94	Bilateral serotonergic projections to the dorsal hippocampus of the rat: Simultaneous localization of3H-5HT and HRP after retrograde transport. Journal of Comparative Neurology, 1981, 203, 737-743.	0.9	47
95	Age Related Changes in NGF, EGF and Protease in the Granular Convoluted Tubules of the Mouse Submandibular Gland. A Morphological and Immunocytochemical Study. Journal of Gerontology, 1980, 35, 520-524.	2.0	31
96	Structural and functional restoration by collateral sprouting of hippocampal 5-HT axons. Nature, 1978, 274, 374-376.	13.7	127
97	An autoradiographic analysis of the differential ascending projections of the dorsal and median raphe nuclei in the rat. Journal of Comparative Neurology, 1978, 179, 641-667.	0.9	1,812
98	Adrenalcortical influence on rat brain tryptophan hydroxylase activity. Brain Research, 1974, 78, 291-302.	1.1	183
99	Recovery of memory following amnesia in the rat and mouse.. Journal of Comparative and Physiological Psychology, 1972, 79, 360-370.	1.8	90
100	Trytophan hydroxylase changes in midbrain of the rat after chronic morphine administration. Life Sciences, 1970, 9, 633-637.	2.0	19