George B Stefano

List of Publications by Citations

453 papers	12,931 citations	62 h-index	87 g-index
483 ext. papers	13,841 ext. citations	4.3 avg, IF	6.45 L-index

#	Paper	IF	Citations
453	Production and physiological actions of anandamide in the vasculature of the rat kidney. *Journal of Clinical Investigation*, **1997**, 100, 1538-46	15.9	276
452	Evidence that Alzheimer's disease is a microvascular disorder: the role of constitutive nitric oxide. *Brain Research Reviews*, **2000**, 34, 119-36		229
451	Opioid and opiate immunoregulatory processes. *Critical Reviews in Immunology*, **1996**, 16, 109-44	1.8	225
450	Presence of the mu3 opiate receptor in endothelial cells. Coupling to nitric oxide production and vasodilation. *Journal of Biological Chemistry*, **1995**, 270, 30290-3	5.4	214
449	Opiate-like substances in an invertebrate, an opiate receptor on invertebrate and human immunocytes, and a role in immunosuppression. *Proceedings of the National Academy of Sciences of the United States of America*, **1993**, 90, 11099-103	11.5	163
448	Cell-surface estrogen receptors mediate calcium-dependent nitric oxide release in human endothelia. *Circulation*, **2000**, 101, 1594-7	16.7	147
447	Downregulation of enkephalin-mediated inflammatory responses by CD10/neutral endopeptidase 24.11. *Nature*, **1990**, 347, 394-6	50.4	147
446	Definitive evidence for the existence of morphological plasticity in the external zone of the median eminence during the rat estrous cycle: implication of neuro-glio-endothelial interactions in gonadotropin-releasing hormone release. *Neuroscience*, **1999**, 94, 809-19	3.9	146
445	Comparing bioinformatic gene expression profiling methods: microarray and RNA-Seq. *Medical Science Monitor Basic Research*, **2014**, 20, 138-42	3.2	143
444	Evidence for the involvement of opioid neuropeptides in the adherence and migration of immunocompetent invertebrate hemocytes. *Proceedings of the National Academy of Sciences of the United States of America*, **1989**, 86, 626-30	11.5	136
443	Cannabinoid receptors are coupled to nitric oxide release in invertebrate immunocytes, microglia, and human monocytes. *Journal of Biological Chemistry*, **1996**, 271, 19238-42	5.4	134
442	Role of opioid neuropeptides in immunoregulation. *Progress in Neurobiology*, **1989**, 33, 149-59	10.9	134
441	Stimulatory effects of opioid neuropeptides on locomotory activity and conformational changes in invertebrate and human immunocytes: evidence for a subtype of delta receptor. *Proceedings of the National Academy of Sciences of the United States of America*, **1989**, 86, 6307-11	11.5	130
440	Interaction of immunoactive monokines (interleukin 1 and tumor necrosis factor) in the bivalve mollusc Mytilus edulis. *Proceedings of the National Academy of Sciences of the United States of America*, **1990**, 87, 4426-9	11.5	129
439	Endogenous morphine and related opiates, a new class of chemical messengers. *Advances in Neuroimmunology*, **1994**, 4, 57-67		121
438	Immunosuppression in the definitive and intermediate hosts of the human parasite Schistosoma mansoni by release of immunoactive neuropeptides. *Proceedings of the National Academy of Sciences of the United States of America*, **1992**, 89, 778-81	11.5	119
437	The role of stress in neurodegenerative diseases and mental disorders. *Neuroendocrinology Letters*, **2002**, 23, 199-208	0.3	117

436	Molecular crosstalk in host-parasite relationships: schistosome- and leech-host interactions. *Parasitology Today*, **2000**, 16, 536-40		110
435	Endogenous morphine. *Trends in Neurosciences*, **2000**, 23, 436-42	13.3	109
434	Morphine-induced conformational changes in human monocytes, granulocytes, and endothelial cells and in invertebrate immunocytes and microglia are mediated by nitric oxide. *Journal of Immunology*, **1996**, 156, 4845-50	5.3	109
433	An Evidence Based Perspective on mRNA-SARS-CoV-2 Vaccine Development. *Medical Science Monitor*, **2020**, 26, e924700	3.2	108
432	[D-Ala2]deltorphin I binding and pharmacological evidence for a special subtype of delta opioid receptor on human and invertebrate immune cells. *Proceedings of the National Academy of Sciences of the United States of America*, **1992**, 89, 9316-20	11.5	102
431	The neurobiology of pleasure, reward processes, addiction and their health implications. *Neuroendocrinology Letters*, **2004**, 25, 235-51	0.3	100
430	Demonstration of stereospecific opiate binding in the nervous tissue of the marine mollusc Mytilus edulis. *Brain Research*, **1980**, 181, 440-5	3.7	99
429	IL-10 as a mediator in the HPA axis and brain. *Journal of Neuroimmunology*, **1999**, 100, 140-8	3.5	96
428	Morphine and anandamide stimulate intracellular calcium transients in human arterial endothelial cells: coupling to nitric oxide release. *Cellular Signalling*, **1999**, 11, 189-93	4.9	95
427	Estradiol coupling to endothelial nitric oxide stimulates gonadotropin-releasing hormone release from rat median eminence via a membrane receptor. *Endocrinology*, **1999**, 140, 652-9	4.8	93
426	The placebo effect and relaxation response: neural processes and their coupling to constitutive nitric oxide. *Brain Research Reviews*, **2001**, 35, 1-19		90
425	Human granulocytes contain an opiate alkaloid-selective receptor mediating inhibition of cytokine-induced activation and chemotaxis. *Journal of Immunology*, **1995**, 154, 1323-30	5.3	90
424	Isolation and identification of enkephalins in pedal ganglia of Mytilus edulis (Mollusca). *Proceedings of the National Academy of Sciences of the United States of America*, **1984**, 81, 955-8	11.5	87
423	Enkelytin and opioid peptide association in invertebrates and vertebrates: immune activation and pain. *Trends in Immunology*, **1998**, 19, 265-8		83
422	Basal nitric oxide limits immune, nervous and cardiovascular excitation: human endothelia express a mu opiate receptor. *Progress in Neurobiology*, **2000**, 60, 513-30	10.9	82
421	Long-Term Respiratory and Neurological Sequelae of COVID-19. *Medical Science Monitor*, **2020**, 26, e928996	3.2	82
420	Histofluorescent localization of serotonin and dopamine in the nervous system and gill of Mytilus edulis (Bivalvia). *Biological Bulletin*, **1975**, 148, 141-56	1.5	81
419	Comparative aspects of opioid-dopamine interaction. *Cellular and Molecular Neurobiology*, **1982**, 2, 167-78	4.6	80

418	Morphine- and anandamide-stimulated nitric oxide production inhibits presynaptic dopamine release. *Brain Research*, **1997**, 763, 63-8	3.7	79
417	Morphine inhibits NF-kappaB nuclear binding in human neutrophils and monocytes by a nitric oxide-dependent mechanism. *Anesthesiology*, **2000**, 92, 1677-84	4.3	79
416	Immunosuppressive effects of corticotropin and melanotropin and their possible significance in human immunodeficiency virus infection. *Proceedings of the National Academy of Sciences of the United States of America*, **1992**, 89, 782-6	11.5	78
415	Molecular identification and functional expression of mu 3, a novel alternatively spliced variant of the human mu opiate receptor gene. *Journal of Immunology*, **2003**, 170, 5118-23	5.3	77
414	Morphine suppresses complement receptor expression, phagocytosis, and respiratory burst in neutrophils by a nitric oxide and mu(3) opiate receptor-dependent mechanism. *Journal of Neuroimmunology*, **2000**, 111, 139-45	3.5	77
413	Autoimmunovascular regulation: morphine and anandamide and ancondamide stimulated nitric oxide release. *Journal of Neuroimmunology*, **1998**, 83, 70-6	3.5	76
412	Enkephalins increase dopamine levels in the CNS of a marine mollusc. *Life Sciences*, **1979**, 24, 1617-21	6.8	74
411	Antagonism of LPS and IFN-gamma induction of iNOS in human saphenous vein endothelium by morphine and anandamide by nitric oxide inhibition of adenylate cyclase. *Journal of Cardiovascular Pharmacology*, **1998**, 31, 813-20	3.1	74
410	High affinity binding of an enkephalin analog in the cerebral ganglion of the insect Leucophaea maderae (Blattaria). *Brain Research*, **1981**, 225, 107-14	3.7	73
409	Morphine and anandamide coupling to nitric oxide stimulates GnRH and CRF release from rat median eminence: neurovascular regulation. *Brain Research*, **1998**, 790, 236-44	3.7	72
408	Leech immunocytes contain proopiomelanocortin: nitric oxide mediates hemolymph proopiomelanocortin processing. *Journal of Immunology*, **1997**, 159, 5400-11	5.3	72
407	Identification and characterization of the leech CNS cannabinoid receptor: coupling to nitric oxide release. *Brain Research*, **1997**, 753, 219-24	3.7	71
406	Comparative neurobiology of opioids in invertebrates with special attention to senescent alterations. *Progress in Neurobiology*, **1987**, 28, 131-59	10.9	71
405	Hyperglycemia-associated alterations in cellular signaling and dysregulated mitochondrial bioenergetics in human metabolic disorders. *European Journal of Nutrition*, **2016**, 55, 2339-2345		71
404	Effects of anaesthesia based on high versus low doses of opioids on the cytokine and acute-phase protein responses in patients undergoing cardiac surgery. *Acta Anaesthesiologica Scandinavica*, **1998**, 42, 63-70	1.9	70
403	Estrogen signaling at the cell surface coupled to nitric oxide release in Mytilus edulis nervous system. *Endocrinology*, **2003**, 144, 1234-40	4.8	70
402	The therapeutic use of the relaxation response in stress-related diseases. *Medical Science Monitor*, **2003**, 9, RA23-34	3.2	69
401	Demonstration of two classes of opiate binding sites in the nervous tissue of the marine mollusc Mytilus edulis. Positive homotropic cooperativity of lower affinity binding sites. *Journal of Biological Chemistry*, **1980**, 255, 9218-24	5.4	66

400	Endogenous morphine levels increase following cardiac surgery as part of the antiinflammatory response?. *International Journal of Cardiology*, **1997**, 62, 191-7	3.2	65
399	Morphine stimulates nitric oxide release from invertebrate microglia. *Brain Research*, **1996**, 722, 125-31	3.7	65
398	Love promotes health. *Neuroendocrinology Letters*, **2005**, 26, 264-7	0.3	65
397	Dopamine D4 receptor gene DRD4 and its association with psychiatric disorders. *Medical Science Monitor*, **2011**, 17, RA215-20	3.2	64
396	Opioid inhibition of dopamine release from nervous tissue of Mytilus edulis and Octopus bimaculatus. *Science*, **1981**, 213, 928-30	33.3	64
395	Estradiol coupling to human monocyte nitric oxide release is dependent on intracellular calcium transients: evidence for an estrogen surface receptor. *Journal of Immunology*, **1999**, 163, 3758-63	5.3	64
394	Hippocampal nitric oxide upregulation precedes memory loss and A beta 1-40 accumulation after chronic brain hypoperfusion in rats. *Neurological Research*, **2003**, 25, 635-41	2.7	63
393	Dopaminergic agents: influence on serotonin in the molluscan nervous system. *Science*, **1976**, 194, 539-41	33.3	63
392	The Neurobiology of Love. *Neuroendocrinology Letters*, **2005**, 26, 175-92	0.3	63
391	Occurrence of the opiate alkaloid-selective mu3 receptor in mammalian microglia, astrocytes and Kupffer cells. *Brain Research*, **1995**, 686, 239-48	3.7	62
390	Microglia in invertebrate ganglia. *Proceedings of the National Academy of Sciences of the United States of America*, **1994**, 91, 9180-4	11.5	62
389	Signaling pathway of morphine induced acute thermal hyperalgesia in mice. *Pain*, **2006**, 123, 294-305	8	60
388	Human white blood cells synthesize morphine: CYP2D6 modulation. *Journal of Immunology*, **2005**, 175, 7357-62	5.3	60
387	LPS stimulated invertebrate hemocytes: a role for immunoreactive TNF and IL-1. *Developmental and Comparative Immunology*, **1991**, 15, 117-22	3.2	60
386	Estradiol-stimulated nitric oxide release in human granulocytes is dependent on intracellular calcium transients: evidence of a cell surface estrogen receptor. *Blood*, **2000**, 95, 3951-3958	2.2	55
385	The immune-neuro-link and the macrophage: postcardiotomy delirium, HIV-associated dementia and psychiatry. *Progress in Neurobiology*, **1994**, 42, 475-88	10.9	55
384	Stress in cardiovascular diseases. *Medical Science Monitor*, **2002**, 8, RA93-RA101	3.2	54
383	Cryopreserved veins in myocardial revascularization: possible mechanism for their increased failure. *Annals of Thoracic Surgery*, **1997**, 63, 1063-9	2.7	52

382	Opioid induction of immunoreactive interleukin-1 in Mytilus edulis and human immunocytes: an interleukin-1-like substance in invertebrate neural tissue. *Journal of Neuroimmunology*, **1991**, 32, 29-34	3.5	52
381	Disruptive patterns of eating behaviors and associated lifestyles in males with ADHD. *Medical Science Monitor*, **2014**, 20, 608-13	3.2	51
380	Invertebrate opioid precursors: evolutionary conservation and the significance of enzymatic processing. *International Review of Cytology*, **1999**, 187, 261-86		51
379	Seasonal monoamine changes in the central nervous system ofMytilus edulis (Bivalvia). *Experientia*, **1977**, 33, 1341-1342		51
378	Long-term exposure of human blood vessels to HIV gp120, morphine, and anandamide increases endothelial adhesion of monocytes: uncoupling of nitric oxide release. *Journal of Cardiovascular Pharmacology*, **1998**, 31, 862-8	3.1	50
377	Human vascular and cardiac endothelia express mu opiate receptor transcripts. *Endothelium: Journal of Endothelial Cell Research*, **2000**, 7, 185-91		49
376	The neurobiology of stress management. *Neuroendocrinology Letters*, **2010**, 31, 19-39	0.3	48
375	Effect of prolonged exposure to morphine on responsiveness of human and invertebrate immunocytes to stimulatory molecules. *Journal of Neuroimmunology*, **1995**, 63, 175-81	3.5	47
374	Evidence for nitric oxide production and utilization as a bacteriocidal agent by invertebrate immunocytes. *European Journal of Pharmacology - Environmental Toxicology and Pharmacology Section*, **1993**, 248, 319-24		47
373	Methionine enkephalin and morphine alter monoamine and cyclic nucleotide levels in the cerebral ganglia of the freshwater bivalve Anodonta cygnea. *Life Sciences*, **1979**, 25, 291-7	6.8	47
372	Invertebrate proenkephalin: delta opioid binding sites in leech ganglia and immunocytes. *Brain Research*, **1997**, 768, 224-32	3.7	46
371	The endocannabinoid system in invertebrates. *Prostaglandins Leukotrienes and Essential Fatty Acids*, **2002**, 66, 353-61	2.8	46
370	2-arachidonyl-glycerol stimulates nitric oxide release from human immune and vascular tissues and invertebrate immunocytes by cannabinoid receptor 1. *Pharmacological Research*, **2000**, 42, 317-22	10.2	46
369	Evidence for a spontaneous nitric oxide release from the rat median eminence: influence on gonadotropin-releasing hormone release. *Endocrinology*, **2001**, 142, 2343-50	4.8	45
368	Median eminence nitric oxide signaling. *Brain Research Reviews*, **2000**, 34, 27-41		45
367	Differential modulation of invertebrate hemocyte motility by CRF, ACTH, and its fragments. *Peptides*, **1994**, 15, 203-6	3.8	45
366	A possible immunoregulatory function for [Met]-enkephalin-Arg6-Phe7 involving human and invertebrate granulocytes. *Journal of Neuroimmunology*, **1991**, 31, 97-103	3.5	45
365	Mytilus edulis hemolymph contains pro-opiomelanocortin: LPS and morphine stimulate differential processing. *Molecular Brain Research*, **1999**, 63, 340-50		44

364	Morphine's immunoregulatory actions are not shared by fentanyl. *International Journal of Cardiology*, **1998**, 64 Suppl 1, S61-6	3.2	43
363	Autoimmunoregulation: differential modulation of CD10/neutral endopeptidase 24.11 by tumor necrosis factor and neuropeptides. *Journal of Neuroimmunology*, **1992**, 41, 9-14	3.5	43
362	Enkephalin-like immunoreactivity in the pedal ganglion of Mytilus edulis (Bivalvia) and its proximity to dopamine-containing structures. *Cell and Tissue Research*, **1983**, 230, 147-53	4.2	43
361	Pharmacological Study of the Reciprocal Dual Innervation of the Lateral Ciliated Gill Epithelium by the CNS of Mytilus Edulis (Bivalvia). *Journal of Experimental Biology*, **1978**, 74, 101-113	3	43
360	Stress-related diseases -- a potential role for nitric oxide. *Medical Science Monitor*, **2002**, 8, RA103-18	3.2	43
359	Human neutrophil and macrophage chemokinesis induced by cardiopulmonary bypass: loss of DAME and IL-1 chemotaxis. *Journal of Neuroimmunology*, **1993**, 47, 189-97	3.5	42
358	Proenkephalin A-derived peptides in invertebrate innate immune processes. *Molecular Brain Research*, **2000**, 76, 237-52		41
357	CD10 (CALLA)/neutral endopeptidase 24.11 modulates inflammatory peptide-induced changes in neutrophil morphology, migration, and adhesion proteins and is itself regulated by neutrophil activation. *Blood*, **1991**, 78, 1834-41	2.2	40
356	Vascular dysfunction associated with type 2 diabetes and Alzheimer's disease: a potential etiological linkage. *Medical Science Monitor Basic Research*, **2014**, 20, 118-29	3.2	39
355	Invertebrate and vertebrate neuroimmune and autoimmunoregulatory commonalties involving opioid peptides. *Cellular and Molecular Neurobiology*, **1992**, 12, 357-66	4.6	39
354	The effects of short and long term temperature stress on serotonin, dopamine and norepinephrine concentrations in molluscan ganglia. *Journal of Thermal Biology*, **1978**, 3, 79-83	2.9	39
353	Proinflammation: a common denominator or initiator of different pathophysiological disease processes. *Medical Science Monitor*, **2002**, 8, HY1-9	3.2	39
352	The stress response and autoimmunoregulation. *Advances in Neuroimmunology*, **1994**, 4, 13-27		38
351	Music alters constitutively expressed opiate and cytokine processes in listeners. *Medical Science Monitor*, **2004**, 10, MS18-27	3.2	38
350	Opiate, cannabinoid, and eicosanoid signaling converges on common intracellular pathways nitric oxide coupling. *Prostaglandins and Other Lipid Mediators*, **1999**, 57, 23-34	3.7	37
349	A neuroimmunoregulatory-like mechanism responding to stress in the marine bivalve Mytilus edulis. *Brain, Behavior, and Immunity*, **1990**, 4, 323-9	16.6	37
348	Association between oxygen consumption and nitric oxide production during the relaxation response. *Medical Science Monitor*, **2006**, 12, CR1-10	3.2	37
347	A functionally coupled mu3-like opiate receptor/nitric oxide regulatory pathway in human multi-lineage progenitor cells. *Journal of Immunology*, **2007**, 179, 5839-44	5.3	36

346	Murine macrophage cell lines contain mu 3-opiate receptors. *European Journal of Pharmacology*, **1995**, 273, R5-6	5.3	36
345	Glial localization of interleukin-1 alpha in invertebrate ganglia. *Cellular and Molecular Neurobiology*, **1992**, 12, 463-72	4.6	36
344	Placebo neural systems: nitric oxide, morphine and the dopamine brain reward and motivation circuitries. *Medical Science Monitor*, **2005**, 11, MS54-65	3.2	36
343	Presence of Met-enkephalin-Arg6-Phe7 in molluscan neural tissues. *Brain Research*, **1984**, 298, 362-5	3.7	35
342	The biochemical substrate of nitric oxide signaling is present in primitive non-cognitive organisms. *Brain Research*, **2002**, 924, 82-9	3.7	34
341	Serpins: an evolutionarily conserved survival strategy. *Trends in Immunology*, **1999**, 20, 541-4		34
340	A rapid and sensitive quantitation method of endogenous morphine in human plasma. *Life Sciences*, **1997**, 60, 237-43	6.8	34
339	Neuropeptide Y inhibits human and invertebrate immunocyte chemotaxis, chemokinesis, and spontaneous activation. *Cellular and Molecular Neurobiology*, **1993**, 13, 541-6	4.6	34
338	Demonstration, characterization and localization of opioid binding sites in the midgut of the insect Leucophaea maderae (Blattaria). *Brain Research*, **1982**, 253, 205-12	3.7	34
337	Human monocyte adhesion is modulated by endothelin B receptor-coupled nitric oxide release. *Journal of Immunology*, **1997**, 158, 880-6	5.3	34
336	Macrophage behavior associated with acute and chronic exposure to HIV GP120, morphine and anandamide: endothelial implications. *International Journal of Cardiology*, **1998**, 64 Suppl 1, S3-13	3.2	33
335	Characterization of the dopamine stimulated adenylate cyclase in the pedal ganglia of Mytilus edulis: interactions with etorphine, beta-endorphin, DALA, and methionine enkephalin. *Cellular and Molecular Neurobiology*, **1981**, 1, 57-68	4.6	33
334	Mitochondrial DNA heteroplasmy in human health and disease. *Biomedical Reports*, **2016**, 4, 259-262	1.8	32
333	Cyclic exercise induces anti-inflammatory signal molecule increases in the plasma of Parkinson's patients. *International Journal of Molecular Medicine*, **2003**, 12, 485-92	4.4	32
332	Pharmacological evidence for anandamide amidase in human cardiac and vascular tissues. *International Journal of Cardiology*, **1998**, 64 Suppl 1, S15-22	3.2	31
331	Endogenous opiates, opioids, and immune function: evolutionary brokerage of defensive behaviors. *Seminars in Cancer Biology*, **2008**, 18, 190-8	12.7	31
330	NF-kappaB, nitric oxide and opiate signaling. *Medical Hypotheses*, **2000**, 54, 263-8	3.8	30
329	Gut, Microbiome, and Brain Regulatory Axis: Relevance to Neurodegenerative and Psychiatric Disorders. *Cellular and Molecular Neurobiology*, **2018**, 38, 1197-1206	4.6	30

328	Endocannabinoids as autoregulatory signaling molecules: coupling to nitric oxide and a possible association with the relaxation response. *Medical Science Monitor*, **2003**, 9, RA63-75	3.2	30
327	Opiate signaling regulates microglia activities in the invertebrate nervous system. *General Pharmacology*, **1997**, 29, 39-47		29
326	Identification of morphine-6-glucuronide in chromaffin cell secretory granules. *Journal of Biological Chemistry*, **2006**, 281, 8082-9	5.4	29
325	Endogenous morphine synthetic pathway preceded and gave rise to catecholamine synthesis in evolution (Review). *International Journal of Molecular Medicine*, **2007**, 20, 837-41	4.4	29
324	Endogenous reward mechanisms and their importance in stress reduction, exercise and the brain. *Archives of Medical Science*, **2010**, 6, 447-55	2.9	28
323	Anandamide amidase inhibition enhances anandamide-stimulated nitric oxide release in invertebrate neural tissues. *Brain Research*, **1998**, 793, 341-5	3.7	28
322	Mytilus edulis pedal ganglia express mu opiate receptor transcripts exhibiting high sequence identity with human neuronal mu1. *Molecular Brain Research*, **1999**, 74, 242-6		28
321	Modulation of voltage-activated ion currents on identified neurons of Helix pomatia L. by interleukin-1. *Cellular and Molecular Neurobiology*, **1992**, 12, 429-38	4.6	28
320	Evidence for an enkephalinergic system in the nervous system of the pond snail, Lymnaea stagnalis. *Brain Research*, **1990**, 531, 66-71	3.7	28
319	Isolation of molluscan opioid peptides. *Life Sciences*, **1983**, 33 Suppl 1, 77-80	6.8	28
318	Human aortocoronary grafts and nitric oxide release: relationship to pulsatile pressure. *Annals of Thoracic Surgery*, **2000**, 69, 480-5	2.7	27
317	Enkephalin-like immunoreactive neurons in the central nervous system of gastropods (Helix pomatia, Lymnaea stagnalis, Aplysia californica): a comparative immunocytochemical study. *Cell and Tissue Research*, **1993**, 272, 329-341	4.2	27
316	Commonalities in the central nervous system's involvement with complementary medical therapies: limbic morphinergic processes. *Medical Science Monitor*, **2004**, 10, MS6-17	3.2	27
315	Tyrosine and tyramine increase endogenous ganglionic morphine and dopamine levels in vitro and in vivo: cyp2d6 and tyrosine hydroxylase modulation demonstrates a dopamine coupling. *Medical Science Monitor*, **2005**, 11, BR397-404	3.2	27
314	Endogenous morphinergic signaling and tumor growth. *Frontiers in Bioscience - Landmark*, **2004**, 9, 3176-88	2.8	26
313	Rebound from nitric oxide inhibition triggers enhanced monocyte activation and chemotaxis. *Journal of Immunology*, **2000**, 165, 102-7	5.3	26
312	Processing of proenkephalin-A in bovine chromaffin cells. Identification of natural derived fragments by N-terminal sequencing and matrix-assisted laser desorption ionization-time of flight mass spectrometry. *Journal of Biological Chemistry*, **2000**, 275, 38355-62	5.4	26
311	High affinity dopamine binding to mouse thymocytes and Mytilus edulis (Bivalvia) hemocytes. *Journal of Neuroimmunology*, **1989**, 21, 67-74	3.5	26

310	The production and action of ACTH-related peptides in invertebrate hemocytes. *Advances in Neuroimmunology*, **1991**, 1, 7-16		26
309	Microscopic computer-assisted analysis of conformational state: reference to neuroimmunology. *Advances in Neuroimmunology*, **1991**, 1, 252-259		26
308	Morphine enhances nitric oxide release in the mammalian gastrointestinal tract via the micro(3) opiate receptor subtype: a hormonal role for endogenous morphine. *Journal of Physiology and Pharmacology*, **2004**, 55, 279-88	2.1	26
307	Interleukin-10 stimulation of corticotrophin releasing factor median eminence in rats: evidence for dependence upon nitric oxide production. *Neuroscience Letters*, **1998**, 256, 167-70	3.3	25
306	Presence of morphine and morphine-6-glucuronide in the marine mollusk Mytilus edulis ganglia determined by GC/MS and Q-TOF-MS. Starvation increases opiate alkaloid levels. *Molecular Brain Research*, **2001**, 88, 155-60		25
305	HIV gp120 alteration of DAMA and IL-1 alpha induced chemotaxic responses in human and invertebrate immunocytes. *Journal of Neuroimmunology*, **1993**, 43, 177-84	3.5	25
304	Inhibitory effect of morphine on granulocyte stimulation by tumor necrosis factor and substance P. *International Journal of Immunopharmacology*, **1994**, 16, 329-34		25
303	Lipopolysaccharide and opioids activate distinct populations of Mytilus edulis immunocytes. *Cell and Tissue Research*, **1991**, 264, 317-20	4.2	25
302	Conformational matching a stabilizing signal system factor during evolution: Additional evidence in comparative neuroimmunology. *Advances in Neuroimmunology*, **1991**, 1, 71-81		25
301	Delta2 opioid receptor subtype on human vascular endothelium uncouples morphine stimulated nitric oxide release. *International Journal of Cardiology*, **1998**, 64 Suppl 1, S43-51	3.2	24
300	Endogenous morphine signaling via nitric oxide regulates the expression of CYP2D6 and COMT: autocrine/paracrine feedback inhibition. *Addiction Biology*, **2008**, 13, 118-23	4.6	24
299	Endogenous morphine/nitric oxide-coupled regulation of cellular physiology and gene expression: implications for cancer biology. *Seminars in Cancer Biology*, **2008**, 18, 199-210	12.7	24
298	Ascaris suum, an intestinal parasite, produces morphine. *Journal of Immunology*, **2000**, 165, 339-43	5.3	24
297	Aprotinin diminishes inflammatory processes. *International Journal of Cardiology*, **1996**, 53 Suppl, S55-63	3.2	24
296	An opioid mechanism modulates central and not peripheral dopaminergic control of ciliary activity in the marine mussel Mytilus edulis. *Cellular and Molecular Neurobiology*, **1986**, 6, 17-30	4.6	24
295	The effects of temperature acclimation on monoamine metabolism. *Journal of Pharmacology and Experimental Therapeutics*, **1977**, 203, 449-56	4.7	24
294	Interleukin-10 stimulation of endogenous nitric oxide release from human saphenous veins diminishes immunocyte adherence. *Journal of Cardiovascular Pharmacology*, **1997**, 30, 90-5	3.1	24
293	Tonal nitric oxide and health--a free radical and a scavenger of free radicals. *Medical Science Monitor* , **2002**, 8, RA1-4	3.2	24

292	Presence of morphine in rat amygdala: evidence for the mu3 opiate receptor subtype via nitric oxide release in limbic structures. *Medical Science Monitor*, **2004**, 10, BR433-9	3.2	24
291	Morphine via nitric oxide modulates beta-amyloid metabolism: a novel protective mechanism for Alzheimer's disease. *Medical Science Monitor*, **2005**, 11, BR357-66	3.2	24
290	Presence of reticuline in rat brain: a pathway for morphine biosynthesis. *Molecular Brain Research*, **2003**, 117, 83-90		23
289	The presence of antibacterial and opioid peptides in human plasma during coronary artery bypass surgery. *Journal of Neuroimmunology*, **2000**, 109, 228-35	3.5	23
288	Endogenous morphine levels increase in molluscan neural and immune tissues after physical trauma. *Brain Research*, **1999**, 835, 137-47	3.7	23
287	Morphine coupling to invertebrate immunocyte nitric oxide release is dependent on intracellular calcium transients. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **1999**, 123, 295-9	2.3	23
286	TEMPERATURE DEPENDENT CILIARY RHYTHMICITY INMYTILUS EDULISAND THE EFFECTS OF MONOAMINERGIC AGENTS ON ITS MANIFESTATION. *Biological Bulletin*, **1977**, 153, 618-629	1.5	23
285	Neurophysiological correlates of the dopaminergic cilio-inhibitory mechanism of Mytilus edulis. *Journal of Experimental Biology*, **1979**, 83, 315-323	3	23
284	Pharmacological evidence for the modulation of monoamine release by adenosine in the invertebrate nervous system. *Journal of Neurochemistry*, **1990**, 54, 2002-6	6	22
283	Integrative medical therapy: examination of meditation's therapeutic and global medicinal outcomes via nitric oxide (review). *International Journal of Molecular Medicine*, **2005**, 16, 621-30	4.4	22
282	Relaxation: molecular and physiological significance. *Medical Science Monitor*, **2006**, 12, HY21-31	3.2	22
281	De novo biosynthesis of morphine in animal cells: an evidence-based model. *Medical Science Monitor*, **2006**, 12, RA207-19	3.2	22
280	Characterization of human and bovine phosphatidylethanolamine-binding protein (PEBP/RKIP) interactions with morphine and morphine-glucuronides determined by noncovalent mass spectrometry. *Medical Science Monitor*, **2009**, 15, BR178-87	3.2	22
279	Changes and interactions of flourishing, mindfulness, sense of coherence, and quality of life in patients of a mind-body medicine outpatient clinic. *Research in Complementary Medicine*, **2014**, 21, 154-62		21
278	Dopamine is necessary to endogenous morphine formation in mammalian brain in vivo. *Journal of Neurochemistry*, **2008**, 106, 2337-44	6	21
277	The presence of endogenous morphine signaling in animals. *Neurochemical Research*, **2008**, 33, 1933-9	4.6	21
276	Identification of morphine in the rat adrenal gland. *Molecular Brain Research*, **2000**, 77, 267-9		21
275	Schistosoma mansoni: the presence and potential use of opiate-like substances. *Experimental Parasitology*, **1995**, 81, 208-15	2.1	21

274	Morphine and its psychiatric implications. *Advances in Neuroimmunology*, **1994**, 4, 117-31		21
273	Corticotropin-releasing factor-induced immunosuppression in human and invertebrate immunocytes. *Cellular and Molecular Neurobiology*, **1992**, 12, 473-81	4.6	21
272	Behavioral effects of opiates on the land snail Helix aspersa. *Life Sciences*, **1983**, 33 Suppl 1, 381-4	6.8	21
271	Evidence for the presynaptic localization of a high affinity opiate binding site on dopamine neurons in the pedal ganglia of Mytilus edulis (Bivalvia). *Journal of Pharmacology and Experimental Therapeutics*, **1982**, 222, 759-64	4.7	21
270	Mitochondrial Heteroplasmy. *Advances in Experimental Medicine and Biology*, **2017**, 982, 577-594	3.6	21
269	Attention deficit hyperactivity disorder and disordered eating behaviors: links, risks, and challenges faced. *Neuropsychiatric Disease and Treatment*, **2016**, 12, 571-9	3.1	21
268	The blueprint for stress can be found in invertebrates. *Neuroendocrinology Letters*, **2002**, 23, 85-93	0.3	21
267	Nicotine, alcohol and cocaine coupling to reward processes via endogenous morphine signaling: the dopamine-morphine hypothesis. *Medical Science Monitor*, **2007**, 13, RA91-102	3.2	21
266	Endogenous morphine is produced in response to cardiopulmonary bypass in neonatal pigs. *Acta Anaesthesiologica Scandinavica*, **2000**, 44, 1204-8	1.9	20
265	Mu3 opiate receptor expression in lung and lung carcinoma: ligand binding and coupling to nitric oxide release. *Cancer Letters*, **1999**, 146, 45-51	9.9	20
264	Norepinephrine: Its presence in the central nervous system of the bivalve mollusc, Mytilus edulis. *The Journal of Experimental Zoology*, **1980**, 214, 209-213		20
263	Historical Insight into Infections and Disorders Associated with Neurological and Psychiatric Sequelae Similar to Long COVID. *Medical Science Monitor*, **2021**, 27, e931447	3.2	20
262	Adrenocorticotropin--a central trigger in immune responsiveness: tonal inhibition of immune activation. *Medical Hypotheses*, **1996**, 46, 471-8	3.8	19
261	Similarities of signal systems in vertebrates and invertebrates: Detection, action, and interactions of immunoreactive monokines in the mussel, Mytilus edulis. *Advances in Neuroimmunology*, **1991**, 1, 59-69		19
260	The presence of enkephalin-like substances in the eyestalk and brain of the land crab Gecarcinus lateralis. *Cellular and Molecular Neurobiology*, **1987**, 7, 91-6	4.6	19
259	Purification of opioid peptides from molluscan ganglia. *Cellular and Molecular Neurobiology*, **1982**, 2, 347-52	4.6	19
258	Cancer: Mitochondrial Origins. *Medical Science Monitor*, **2015**, 21, 3736-9	3.2	19
257	Morphine stimulates iNOS expression via a rebound from inhibition in human macrophages: nitric oxide involvement. *International Journal of Immunopathology and Pharmacology*, **2001**, 14, 129-138	3	19

256	Sound therapy induced relaxation: down regulating stress processes and pathologies. *Medical Science Monitor*, **2003**, 9, RA96-RA101	3.2	19
255	Persistence of evolutionary memory: primordial six-transmembrane helical domain mu opiate receptors selectively linked to endogenous morphine signaling. *Medical Science Monitor*, **2007**, 13, SC5-6	3.2	19
254	Endogenous morphine and nitric oxide coupled regulation of mitochondrial processes. *Medical Science Monitor*, **2009**, 15, RA263-8	3.2	19
253	Antibiotics May Trigger Mitochondrial Dysfunction Inducing Psychiatric Disorders. *Medical Science Monitor*, **2017**, 23, 101-106	3.2	18
252	Molecular interaction in the mouse PAG between NMDA and opioid receptors in morphine-induced acute thermal nociception. *Journal of Neurochemistry*, **2008**, 105, 91-100	6	18
251	Endogenous morphine modulates acute thermonociception in mice. *Journal of Neurochemistry*, **2002**, 80, 271-7	6	18
250	Expression of functional delta opioid receptors in vascular smooth muscle. *International Journal of Molecular Medicine*, **2000**, 6, 673-7	4.4	18
249	Lipopolysaccharide increases endogenous morphine levels in rat brain. *Neuroscience Letters*, **2000**, 293, 135-8	3.3	18
248	Mu-opioid receptor mRNA expression in proopiomelanocortin neurons of the rat arcuate nucleus. *Molecular Brain Research*, **1999**, 70, 155-8		18
247	The Mu3 opiate receptor subtype. *Pain Forum*, **1999**, 8, 206-209		18
246	Antagonizing effect of morphine on the mobility and phagocytic activity of invertebrate immunocytes. *European Journal of Pharmacology*, **1995**, 276, 35-9	5.3	18
245	Neuroimmunologic implications in coronary artery disease. *Advances in Neuroimmunology*, **1996**, 6, 131-42		18
244	Methionine enkephalin inhibits the bursting activity of the Br-type neuron in Helix pomatia L. *Experientia*, **1980**, 36, 666-7		18
243	Neurophysiological correlates of the dopaminergic cilio-inhibitory mechanism of Mytilus edulis. *Journal of Experimental Biology*, **1979**, 83, 315-23	3	18
242	Evidence for a Spontaneous Nitric Oxide Release from the Rat Median Eminence: Influence on Gonadotropin-Releasing Hormone Release		18
241	Pain, immunity, opiate and opioid compounds and health. *Medical Science Monitor*, **2005**, 11, MS47-53	3.2	18
240	The neurobiological link between compassion and love. *Medical Science Monitor*, **2011**, 17, RA65-75	3.2	17
239	Effects of endogenous morphine deprivation on memory retention of passive avoidance learning in mice. *International Journal of Neuropsychopharmacology*, **2004**, 7, 311-9	5.8	17

238	Activation of peripheral delta opioid receptors eliminates cardiac electrical instability in a rat model of post-infarction cardiosclerosis via mitochondrial ATP-dependent K+ channels. *Life Sciences*, **2003**, 73, 947-52	6.8	17
237	Schistosoma mansoni: an enkephalinergic system that may participate in internal and host-parasite signaling. *Experimental Parasitology*, **1993**, 76, 76-84	2.1	17
236	Alterations in high-affinity binding characteristics and levels of opioids in invertebrate ganglia during aging: evidence for an opioid compensatory mechanism. *Cellular and Molecular Neurobiology* , **1984**, 4, 143-55	4.6	17
235	Nitric Oxide Regulation of Mitochondrial Processes: Commonality in Medical Disorders. *Annals of Transplantation*, **2015**, 20, 402-7	1.4	17
234	Reciprocal regulation of cellular nitric oxide formation by nitric oxide synthase and nitrite reductases. *Medical Science Monitor*, **2011**, 17, RA221-6	3.2	17
233	Epigenetic modification of DRG neuronal gene expression subsequent to nerve injury: etiological contribution to complex regional pain syndromes (Part II). *Medical Science Monitor*, **2014**, 20, 1188-200	3.2	17
232	Presence of endogenous morphine and morphine 6 glucuronide in human heart tissue. *International Journal of Molecular Medicine*, **2001**, 7, 419-22	4.4	17
231	Regulation of various genes in human leukocytes acutely exposed to morphine: expression microarray analysis. *Medical Science Monitor*, **2005**, 11, MS35-42	3.2	17
230	Methionine-enkephalin stimulates interleukin-6 mRNA expression: human plasma levels in coronary artery bypass grafting. *International Journal of Cardiology*, **1998**, 64 Suppl 1, S53-9	3.2	16
229	Role of amygdala in mediating sexual and emotional behavior via coupled nitric oxide release. *Acta Pharmacologica Sinica*, **2005**, 26, 389-95	8	16
228	The presence of the mu3 opiate receptor in invertebrate neural tissues. *Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology*, **1996**, 113, 369-73		16
227	Degradation of Met-enkephalin by hemolymph peptidases in Mytilus edulis. *Cellular and Molecular Neurobiology*, **1992**, 12, 367-78	4.6	16
226	The effects of auditory perception and musical preference on anxiety in naive human subjects. *Medical Science Monitor*, **2003**, 9, CR396-9	3.2	16
225	Identification of endogenous morphine and a mu3-like opiate alkaloid receptor in human brain tissue taken from a patient with intractable complex partial epilepsy. *Medical Science Monitor*, **2008** , 14, CS45-49	3.2	16
224	Mitochondria, Chloroplasts in Animal and Plant Cells: Significance of Conformational Matching. *Medical Science Monitor*, **2015**, 21, 2073-8	3.2	15
223	Dopamine, morphine, and nitric oxide: an evolutionary signaling triad. *CNS Neuroscience and Therapeutics*, **2010**, 16, e124-37	6.8	15
222	Presence and biochemical properties of a molluscan invertebrate angiotensin-converting enzyme. *Regulatory Peptides*, **1997**, 69, 53-61		15
221	A renin-like enzyme in the leech Theromyzon tessulatum. *Molecular and Cellular Endocrinology*, **1997**, 131, 1-8	4.4	15

220	Nitric oxide inhibits the dopamine-induced K+ current via guanylate cyclase in Aplysia neurons. *Journal of Neuroscience Research*, **1997**, 50, 450-6	4.4	15
219	The presence of morphine in ganglionic tissues of Modiolus deminissus: a highly sensitive method of quantitation for morphine and its derivatives. *Molecular Brain Research*, **2001**, 86, 184-8		15
218	Evidence for the conservation of an immunoreactive monokine network in invertebrates. *Annals of the New York Academy of Sciences*, **1992**, 650, 74-80	6.5	15
217	The evolvement of signal systems: conformational matching a determining force stabilizing families of signal molecules. *Comparative Biochemistry and Physiology Part C: Comparative Pharmacology*, **1988**, 90, 287-94		15
216	Hyperstimulation of leukocytes by plasma from cardiopulmonary by-pass patients is diminished by morphine and IL-10 pretreatment. *Journal of Cardiovascular Surgery*, **1995**, 36, 25-30	0.7	15
215	Intracerebellar application of P19-derived neuroprogenitor and naive stem cells to Lurcher mutant and wild type B6CBA mice. *Medical Science Monitor*, **2012**, 18, BR174-180	3.2	15
214	Anticipatory stress response: a significant commonality in stress, relaxation, pleasure and love responses. *Medical Science Monitor*, **2008**, 14, RA17-21	3.2	15
213	Biochemical identification and ganglionic localization of leech angiotensin-converting enzymes. *Molecular Brain Research*, **1997**, 49, 229-37		14
212	Prodynorphin in invertebrates. *Molecular Brain Research*, **1997**, 52, 46-52		14
211	Opposite effects of interleukin-2 and interleukin-4 on GABA-induced inward currents of dialysed Lymnaea neurons. *General Pharmacology*, **1997**, 29, 73-7		14
210	Dracunculus medinensis and Schistosoma mansoni contain opiate alkaloids. *Annals of Tropical Medicine and Parasitology*, **2002**, 96, 309-16		14
209	Cold stress alters Mytilus edulis pedal ganglia expression of mu opiate receptor transcripts determined by real-time RT-PCR and morphine levels. *Molecular Brain Research*, **2002**, 99, 26-33		14
208	Identification of morphine in the adrenal medullary chromaffin PC-12 cell line. *Molecular Brain Research*, **2000**, 81, 177-80		14
207	Evidence for morphine downregulating immunocytes during cardiopulmonary bypass in a porcine model. *International Journal of Cardiology*, **1996**, 53 Suppl, S39-46	3.2	14
206	Electric Field Exposure Activates Immunocytes: Evidence for Calcium Dependency. *Electromagnetic Biology and Medicine*, **1994**, 13, 123-136		14
205	Distinct receptors for Leu- and Met-enkephalin on the metacerebral giant cell of Aplysia. *Cellular and Molecular Neurobiology*, **1992**, 12, 107-19	4.6	14
204	Enkephalin-like substance in aplysia nervous tissue and actions of leu-enkephalin on single neurons. *Life Sciences*, **1986**, 38, 1529-34	6.8	14
203	The calcium-dependent neuronal release of serotonin and its antagonism by lithium. *Journal of Neurobiology*, **1980**, 11, 179-91		14

202	Reciprocal Evolution of Opiate Science from Medical and Cultural Perspectives. *Medical Science Monitor*, **2017**, 23, 2890-2896	3.2	14
201	Ischemic preconditioning - an opiate constitutive nitric oxide molecular hypothesis. *Medical Science Monitor*, **2001**, 7, 1357-75	3.2	14
200	In vivo and in vitro L-DOPA and reticuline exposure increases ganglionic morphine levels. *Medical Science Monitor*, **2005**, 11, MS1-5	3.2	14
199	Revisiting tolerance from the endogenous morphine perspective. *Medical Science Monitor*, **2009**, 15, RA189-98	3.2	14
198	Variations in critical morphine biosynthesis genes and their potential to influence human health. *Neuroendocrinology Letters*, **2010**, 31, 11-8	0.3	14
197	Endogenous morphine: up-to-date review 2011. *Folia Biologica*, **2012**, 58, 49-56	0.7	14
196	Morphine stimulates nitric oxide release in human mitochondria. *Journal of Bioenergetics and Biomembranes*, **2015**, 47, 409-17	3.7	13
195	Mytilus edulis hemolymph contain prodynorphin. *Immunology Letters*, **1998**, 63, 33-9	4.1	13
194	Identification of Morphine and Morphine-6-Glucuronide in the Adrenal Medullary Chromaffin PC-12 Cell Line by Nano-Electrospray Ionization Double Quadrupole Orthogonal-Acceleration Time-of-Flight Mass Spectrometry. *European Journal of Mass Spectrometry*, **2001**, 7, 25-28	1.1	13
193	Vascular pulsations stimulating nitric oxide release during cyclic exercise may benefit health: a molecular approach (review). *International Journal of Molecular Medicine*, **2001**, 7, 119-29	4.4	13
192	The presence and effects of mammalian signal molecules in immunocytes of the insect Leucophaea maderae. *Cell and Tissue Research*, **1996**, 283, 93-7	4.2	13
191	Neuroimmunology of host-parasite interactions: proopiomelanocortin derived peptides in the infection by Schistosoma mansoni. *Advances in Neuroimmunology*, **1992**, 2, 297-311		13
190	A behavioral role for enkephalins in regulating locomotor activity in the insect Leucophaea maderae: evidence for high affinity kappa-like opioid binding sites. *Comparative Biochemistry and Physiology Part C: Comparative Pharmacology*, **1986**, 85, 61-6		13
189	Epigenetic modification of DRG neuronal gene expression subsequent to nerve injury: etiological contribution to complex regional pain syndromes (Part I). *Medical Science Monitor*, **2014**, 20, 1067-77	3.2	13
188	Mitochondria and chloroplasts shared in animal and plant tissues: significance of communication. *Medical Science Monitor*, **2015**, 21, 1507-11	3.2	13
187	Differential expression of the human mu opiate receptor from different primary vascular endothelial cells. *Medical Science Monitor*, **2004**, 10, BR351-5	3.2	13
186	Alcohol-, nicotine-, and cocaine-evoked release of morphine from invertebrate ganglia: model system for screening drugs of abuse. *Medical Science Monitor*, **2006**, 12, BR155-61	3.2	13
185	Clinical Implications of the Perception of Time in Attention Deficit Hyperactivity Disorder (ADHD): A Review. *Medical Science Monitor*, **2019**, 25, 3918-3924	3.2	12

184	Dysregulated mitochondrial and chloroplast bioenergetics from a translational medical perspective (Review). *International Journal of Molecular Medicine*, **2016**, 37, 547-55	4.4	12
183	Opiate alkaloids and nitric oxide production in the nematode Ascaris suum. *Journal of Parasitology*, **2004**, 90, 15-22	0.9	12
182	Functional assessment of disease-free saphenous vein grafts at redo coronary artery bypass grafting. *Annals of Thoracic Surgery*, **2000**, 69, 1183-7	2.7	12
181	Amino acid sequence determination and biological activity of therin, a naturally occuring specific trypsin inhibitor from the leech Theromyzon tessulatum. *FEBS Journal*, **1998**, 254, 565-70		12
180	A novel view of opiate tolerance. *Advances in Neuroimmunology*, **1996**, 6, 265-77		12
179	Neuroimmune implications of cardiopulmonary bypass. *Advances in Neuroimmunology*, **1993**, 3, 277-288		12
178	Naloxone selectively blocks dopamine response of Br-type neuron in Helix pomatia L. *Experientia*, **1979**, 35, 1337-8		12
177	Cell surface estrogen receptors coupled to cNOS mediate immune and vascular tissue regulation: therapeutic implications. *Medical Science Monitor*, **2001**, 7, 1066-74	3.2	12
176	Decreased Central Nervous System Grey Matter Volume (GMV) in Smokers Affects Cognitive Abilities: A Systematic Review. *Medical Science Monitor*, **2017**, 23, 1907-1915	3.2	11
175	Endogenous morphine: opening new doors for the treatment of pain and addiction. *Expert Opinion on Biological Therapy*, **2005**, 5, 893-906	5.4	11
174	HIV gp120 and morphine alter mu opiate receptor expression in human vascular endothelium. *International Journal of Molecular Medicine*, **2001**, 8, 165-9	4.4	11
173	The role of protease inhibition with emphasis on the effects of inflammation and vascular immune phenomena. *Current Pharmaceutical Design*, **2002**, 8, 505-9	3.3	11
172	Opioid mechanisms in insects, with special attention to Leucophaea maderae. *Cellular and Molecular Neurobiology*, **1988**, 8, 269-84	4.6	11
171	Evidence for dopaminergic and opioid involvement in the regulation of locomotor activity in the land crab Gecarcinus lateralis. *Comparative Biochemistry and Physiology Part C: Comparative Pharmacology*, **1988**, 90, 89-93		11
170	Decrease in the number of high-affinity opiate binding sites during the aging process in Mytilus edulis (Bivalvia). *Cellular and Molecular Neurobiology*, **1981**, 1, 343-50	4.6	11
169	Distribution of radioactivity after administration of 3H-5-hydroxytryptamine by three different routes to the mussel Mytilus edulis. *Experientia*, **1978**, 34, 749		11
168	Estradiol-stimulated nitric oxide release in human granulocytes is dependent on intracellular calcium transients: evidence of a cell surface estrogen receptor. *Blood*, **2000**, 95, 3951-3958	2.2	11
167	Parkinson's disease, L-DOPA, and endogenous morphine: a revisit. *Medical Science Monitor*, **2012**, 18, RA133-137	3.2	11

166	A Novel Vaccine Employing Non-Replicating Rabies Virus Expressing Chimeric SARS-CoV-2 Spike Protein Domains: Functional Inhibition of Viral/Nicotinic Acetylcholine Receptor Complexes. *Medical Science Monitor*, **2020**, 26, e926016	3.2	11
165	Hypoxia defined as a common culprit/initiation factor in mitochondrial-mediated proinflammatory processes. *Medical Science Monitor*, **2015**, 21, 1478-84	3.2	11
164	Estradiol-stimulated nitric oxide release in human granulocytes is dependent on intracellular calcium transients: evidence of a cell surface estrogen receptor. *Blood*, **2000**, 95, 3951-8	2.2	11
163	Tonal nitric oxide and health: anti-bacterial and -viral actions and implications for HIV. *Medical Science Monitor*, **2002**, 8, RA27-31	3.2	11
162	Nitric oxide modulates microglial activation. *Medical Science Monitor*, **2004**, 10, BR17-22	3.2	11
161	Endogenous morphine and codeine in the brain of non human primate. *Medical Science Monitor*, **2004**, 10, MS1-5	3.2	11
160	Detection of nitric oxide in exhaled human breath: exercise and resting determinations. *Medical Science Monitor*, **2007**, 13, MT1-5	3.2	11
159	Xenobiotic perturbation of endogenous morphine signaling: paradoxical opiate hyperalgesia. *Medical Science Monitor*, **2009**, 15, RA107-10	3.2	11
158	Comparative aspects of endogenous morphine synthesis and signaling in animals. *Annals of the New York Academy of Sciences*, **2009**, 1163, 330-9	6.5	10
157	Amino-acid-sequence determination and biological activity of tessulin, a naturally occurring trypsin-chymotrypsin inhibitor isolated from the leech Theromyzon tessulatum. *FEBS Journal*, **1998**, 258, 662-8		10
156	Morphine 6 glucuronide stimulates nitric oxide release in mussel neural tissues: evidence for a morphine 6 glucuronide opiate receptor subtype. *Cellular and Molecular Life Sciences*, **2002**, 59, 570-4	10.3	10
155	Opioid peptides in the nervous system of Aplysia: a combined biochemical, immunocytochemical, and electrophysiological study. *Cellular and Molecular Neurobiology*, **1995**, 15, 239-56	4.6	10
154	Surgical anticipatory stress manifests itself in immunocyte desensitization: evidence for autoimmunoregulatory involvement. *International Journal of Cardiology*, **1996**, 53 Suppl, S65-73	3.2	10
153	Proopiomelanocortin-derived peptides as tools of immune evasion for the human trematode Schistosoma mansoni. *Acta Biologica Hungarica*, **1992**, 43, 281-6		10
152	Reticuline exposure to invertebrate ganglia increases endogenous morphine levels. *Neuroendocrinology Letters*, **2004**, 25, 323-30	0.3	10
151	Morphine 6beta glucuronide: fortuitous morphine metabolite or preferred peripheral regulatory opiate?. *Medical Science Monitor*, **2005**, 11, MS43-46	3.2	10
150	Cholinergic regulation of endogenous morphine release from lobster nerve cord. *Medical Science Monitor*, **2006**, 12, BR295-301	3.2	10
149	Alcohol-, nicotine-, and cocaine-evoked release of morphine from human white blood cells: substances of abuse actions converge on endogenous morphine release. *Medical Science Monitor*, **2006**, 12, BR350-4	3.2	10

148	The leech angiotensin-converting enzyme. *Annals of the New York Academy of Sciences*, **1998**, 839, 500-2	6.5	9
147	Cholinergic regulation of morphine release from human white blood cells: evidence for a novel nicotinic receptor via pharmacological and microarray analysis. *International Journal of Immunopathology and Pharmacology*, **2007**, 20, 229-37	3	9
146	Nitric oxide inhibits norepinephrine stimulated contraction of human internal thoracic artery and rat aorta. *Pharmacological Research*, **2001**, 43, 199-203	10.2	9
145	HIV gp120 associated neurological deficits: a potential role for nitric oxide and other signal molecules. *Advances in Neuroimmunology*, **1993**, 3, 47-57		9
144	Actions of methionine enkephalin and morphine on single neuronal activity in Helix pomatia l. *Comparative Biochemistry and Physiology Part C: Comparative Pharmacology*, **1980**, 66, 193-8		9
143	Aging: decline of dopamine-stimulated adenylate cyclase activity in Mytilus edulis (Bivalvia). *Cellular and Molecular Neurobiology*, **1982**, 2, 249-53	4.6	9
142	Real-time RT-PCR measurement of the modulation of Mu opiate receptor expression by nitric oxide in human mononuclear cells. *Medical Science Monitor*, **2001**, 7, 1123-8	3.2	9
141	A hormonal role for endogenous opiate alkaloids: vascular tissues. *Neuroendocrinology Letters*, **2002**, 23, 21-6	0.3	9
140	The American lobster, Homarus americanus, contains morphine that is coupled to nitric oxide release in its nervous and immune tissues: Evidence for neurotransmitter and hormonal signaling. *Neuroendocrinology Letters*, **2005**, 26, 89-97	0.3	9
139	Neurotransmitter role of endogenous morphine in CNS. *Medical Science Monitor*, **2005**, 11, RA190-193	3.2	9
138	Morphine inhibits AP-1 activity and CD14 expression in leukocytes by a nitric oxide and opioid receptor-dependent mechanism. *European Journal of Anaesthesiology*, **2007**, 24, 958-65	2.3	8
137	Anti-mu opioid antiserum against the third external loop of the cloned mu-opioid receptor acts as a mu receptor neutral antagonist. *Molecular Brain Research*, **2003**, 119, 100-10		8
136	Mu opioid receptor mRNA expression in neuronal nitric oxide synthase-immunopositive preoptic area neurons. *Molecular Brain Research*, **2000**, 80, 46-52		8
135	The biology of deception: emotion and morphine. *Medical Hypotheses*, **1995**, 44, 49-52	3.8	8
134	Inhibition of the Met-enkephalin-induced K+ current in B-cluster neurons of Aplysia by nitric oxide donor. *Brain Research*, **1996**, 740, 124-30	3.7	8
133	An enkephalin-like molecule in earthworm coelomic fluid modifies leukocyte behavior. *Developmental and Comparative Immunology*, **1993**, 17, 201-9	3.2	8
132	Low dose morphine adjuvant therapy for enhanced efficacy of antipsychotic drug action: potential involvement of endogenous morphine in the pathophysiology of schizophrenia. *Medical Science Monitor*, **2012**, 18, HY23-6	3.2	8
131	Dopamine and morphine stimulate nitric oxide release in human endometrial glandular epithelial cells. *Journal of the Society for Gynecologic Investigation*, **2000**, 7, 343-347		8

130	Chromosomal Processes in Mind-Body Medicine: Chronic Stress, Cell Aging, and Telomere Length. *Medical Science Monitor Basic Research*, **2018**, 24, 134-140	3.2	8
129	Antagonism of LPS and IFN-gamma induced iNOS expression in human atrial endothelia by morphine, anandamide, and estrogen. *Acta Pharmacologica Sinica*, **2000**, 21, 405-9	8	8
128	Cyclic nitric oxide release by human granulocytes, and invertebrate ganglia and immunocytes: nano-technological enhancement of amperometric nitric oxide determination. *Medical Science Monitor*, **2002**, 8, BR199-204	3.2	8
127	Presence of isoquinoline alkaloids in molluscan ganglia. *Neuroendocrinology Letters*, **2002**, 23, 329-34	0.3	8
126	The nongenomic protective effects of estrogen on the male cardiovascular system: clinical and therapeutic implications in aging men. *Medical Science Monitor*, **2003**, 9, RA63-8	3.2	8
125	Neurobiological implications of eating healthy. *Neuroendocrinology Letters*, **2006**, 27, 21-33	0.3	8
124	Proinflammation and preconditioning protection are part of a common nitric oxide mediated process. *Medical Science Monitor*, **2010**, 16, RA125-30	3.2	8
123	Genetics in Psychiatry - up-to-date review 2011. *Neuroendocrinology Letters*, **2011**, 32, 389-99	0.3	8
122	Opioid and Opiate Immunoregulatory Processes. *Critical Reviews in Immunology*, **2017**, 37, 213-248	1.8	7
121	Interactive effects of endogenous morphine, nitric oxide, and ethanol on mitochondrial processes. *Archives of Medical Science*, **2010**, 6, 658-62	2.9	7
120	Morphine-mediated alteration of hypertension-related gene expression in human white blood cells and multilineage progenitor cells. *Journal of Human Hypertension*, **2010**, 24, 713-20	2.6	7
119	Amino-acid-sequence determination and biological activity of cytin, a naturally occurring specific chymotrypsin inhibitor from the leech Theromyzon tessulatum. *FEBS Journal*, **1997**, 249, 733-8		7
118	Isolation and characterization of a leech neuropeptide in rat brains: coupling to nitric oxide release in leech, rat and human tissues. *Molecular Brain Research*, **1998**, 55, 173-9		7
117	A bio-psycho-socio-molecular approach to pain and stress management. *Complementary Medicine Research*, **2007**, 14, 224-34	1.3	7
116	Met-enkephalin and morphiceptin modulate a GABA-induced inward current in the CNS of Lymnaea stagnalis L. *General Pharmacology*, **1996**, 27, 1337-45		7
115	CD 10 (CALLA, common acute lymphoblastic leukemia antigen)/neutral endopeptidase 24.11 (NEP, enkephalinase): molecular structure and role in regulating met-enkephalin mediated inflammatory responses. *Advances in Neuroimmunology*, **1991**, 1, 139-149		7
114	Lanthanum blockade of serotonin release from the branchial nerve of the mussel Mytilus edulis. *The Journal of Experimental Zoology*, **1980**, 214, 21-6		7
113	Dopamine inhibition of tryptophan hydroxylase in molluscan nervous tissue homogenates: evidence for intracellular site of action. *Life Sciences*, **1980**, 27, 1205-9	6.8	7

112	Effects of temperature and temperature acclimation on serotonin-induced cilio-excitation of the gill of Mytilus edulis. *Journal of Thermal Biology*, **1981**, 6, 61-64	2.9	7
111	Correlation between acidic phospholipids and serotonin and between lysolecithin and dopamine in ganglia of the marine mussel, Mytilus edulis. *Experientia*, **1978**, 34, 210-2		7
110	Targeting mitochondrial biogenesis for promoting health. *Medical Science Monitor*, **2012**, 18, SC1-3	3.2	7
109	17-beta estradiol down regulates ganglionic microglial cells via nitric oxide release: presence of an estrogen receptor beta transcript. *Neuroendocrinology Letters*, **2003**, 24, 130-6	0.3	7
108	Endogenous morphine and ACTH association in neural tissues. *Medical Science Monitor*, **2005**, 11, MS22-30	3.2	7
107	Psychiatric implications of endogenous morphine: up-to-date review. *Folia Biologica*, **2010**, 56, 231-41	0.7	7
106	Norlaudanosoline and nicotine increase endogenous ganglionic morphine levels: nicotine addiction. *Cellular and Molecular Neurobiology*, **2006**, 26, 1037-45	4.6	6
105	Morphine inhibits indolactam V-induced U937 cell adhesion and gelatinase secretion. *Journal of Cellular Physiology*, **2001**, 189, 179-88	7	6
104	The biology of deception: the evolution of cognitive coping as a denial-like process. *Medical Hypotheses*, **1995**, 44, 311-4	3.8	6
103	Selective effects of human immunodeficiency virus (HIV) gp120 on invertebrate neurons. *Cellular and Molecular Neurobiology*, **1993**, 13, 569-77	4.6	6
102	Denervation produces supersensitivity of a serotonergically innervated structure. *European Journal of Pharmacology*, **1980**, 62, 111-5	5.3	6
101	Dual innervation of the foot and the control of foot movement by the central nervous system in Mytilus Edulis (Bivalvia). *Comparative Biochemistry and Physiology Part C: Comparative Pharmacology* , **1981**, 69, 25-30		6
100	Burnout Syndrome and Lifestyle Among Primary School Teachers: A Czech Representative Study. *Medical Science Monitor*, **2019**, 25, 4974-4981	3.2	6
99	Cognition Regulated by Emotional Decision Making. *Medical Science Monitor Basic Research*, **2016**, 22, 1-5	3.2	6
98	Pain and relaxation (review). *International Journal of Molecular Medicine*, **2006**, 18, 465-70	4.4	6
97	Homeopathic ethanol. *Medical Science Monitor*, **2008**, 14, SC11-3	3.2	6
96	ADHD and growth: questions still unanswered. *Neuroendocrinology Letters*, **2014**, 35, 1-6	0.3	6
95	Convergent dysregulation of frontal cortical cognitive and reward systems in eating disorders. *Medical Science Monitor*, **2013**, 19, 353-8	3.2	5

94	Personalized- and one- medicine: bioinformatics foundation in health and its economic feasibility. *Medical Science Monitor*, **2015**, 21, 201-4	3.2	5
93	Glycolytic Coupling to Mitochondrial Energy Production Ensures Survival in an Oxygen Rich Environment. *Medical Science Monitor*, **2016**, 22, 2571-5	3.2	5
92	Alkaloids, Nitric Oxide, and Nitrite Reductases: Evolutionary Coupling as Key Regulators of Cellular Bioenergetics with Special Relevance to the Human Microbiome. *Medical Science Monitor*, **2018**, 24, 3153-3158	3.2	5
91	Profiles of B-cell subsets in immunologically stable renal allograft recipients and end-stage renal disease patients. *Transplant Immunology*, **2020**, 58, 101249	1.7	5
90	Substance abuse and HIV-gp120: are opiates protective?. *Archivum Immunologiae Et Therapiae Experimentalis*, **1999**, 47, 99-106	4	5
89	Direct assessment and diminished production of morphine stimulated NO by diabetic endothelium from saphenous vein. *Acta Pharmacologica Sinica*, **2002**, 23, 97-102	8	5
88	Effects of morphine on tumour growth. *Neuroendocrinology Letters*, **2002**, 23, 193-8	0.3	5
87	Human gliomas contain morphine. *Medical Science Monitor*, **2005**, 11, MS18-21	3.2	5
86	TENS stimulates constitutive nitric oxide release via opiate signaling in invertebrate neural tissues. *Medical Science Monitor*, **2007**, 13, BR163-7	3.2	5
85	Converging cellular processes for substances of abuse: endogenous morphine. *Neuroendocrinology Letters*, **2008**, 29, 63-6	0.3	5
84	Identification of a μ opiate receptor signaling mechanism in human placenta. *Medical Science Monitor*, **2010**, 16, BR347-52	3.2	5
83	Emerging regulatory roles of opioid peptides, endogenous morphine, and opioid receptor subtypes in immunomodulatory processes: Metabolic, behavioral, and evolutionary perspectives. *Immunology Letters*, **2020**, 227, 28-33	4.1	4
82	Catechol-O-methyltransferase: potential relationship to idiopathic hypertension. *Archives of Medical Science*, **2010**, 6, 291-5	2.9	4
81	Opioid peptides and opiate alkaloids in immunoregulatory processes. *Archives of Medical Science*, **2010**, 6, 456-60	2.9	4
80	Aspirin inhibits granulocyte and monocyte adherence to saphenous vein endothelia in a process not mediated by nitric oxide. *International Journal of Cardiology*, **1998**, 64 Suppl 1, S29-33	3.2	4
79	Putative leech dopamine1-like receptor molecular characterization: sequence homologies between dopamine and serotonin leech CNS receptors explain pharmacological cross-reactivities. *Molecular Brain Research*, **1998**, 58, 47-58		4
78	Dopamine and Morphine Stimulate Nitric Oxide Release in Human Endometrial Glandular Epithelial Cells. *Journal of the Society for Gynecologic Investigation*, **2000**, 7, 343-347		4
77	Aging alterations in the modulation of central dopaminergic cilioinhibition by etorphine in the marine mussel, Mytilus edulis: decrease in the inhibition of presynaptic dopamine release. *Cellular and Molecular Neurobiology*, **1987**, 7, 209-19	4.6	4

76	Opioid binding sites in the midgut of the insect Leucophaea maderae (Blattaria). *Life Sciences*, **1982**, 31, 1397-400	6.8	4
75	Aging Reversal and Healthy Longevity is in Reach: Dependence on Mitochondrial DNA Heteroplasmy as a Key Molecular Target. *Medical Science Monitor*, **2017**, 23, 2732-2735	3.2	4
74	Pharmacological and Binding Evidence for Opioid Receptors on Vertebrate and Invertebrate Blood Cells **1994**, 139-151		4
73	Endocannabinoid immune and vascular signaling. *Acta Pharmacologica Sinica*, **2000**, 21, 1071-81	8	4
72	Invertebrate opiate immune and neural signaling. *Advances in Experimental Medicine and Biology*, **2003**, 521, 126-47	3.6	4
71	Risk factors for breast cancer and the prognosis of African American women: estrogen's role. *Medical Science Monitor*, **2003**, 9, RA111-9	3.2	4
70	Microbiome: A Potential Component in the Origin of Mental Disorders. *Medical Science Monitor*, **2017**, 23, 3039-3043	3.2	3
69	Co-morbidity and self medication in schizophrenia: involvement of endogenous morphine signaling mechanisms. *Current Drug Targets*, **2012**, 13, 1454-7	3	3
68	Cell behavior and signal molecule involvement in a case study of malignant histiocytosis: a negative model of morphine as an immunoregulator. *American Journal of Hematology*, **1997**, 56, 197-205	7.1	3
67	Nitric oxide as a possible mechanism for understanding the therapeutic effects of osteopathic manipulative medicine (Review). *International Journal of Molecular Medicine*, **2004**, 14, 443	4.4	3
66	Morphine reduces herpes simplex virus-1 pathogenesis in the murine flank. *International Journal of Molecular Medicine*, **2001**, 8, 303-7	4.4	3
65	Characterization of responses to enkephalins and FMRFamide on B neurons of the cerebral ganglion of Aplysia. *Comparative Biochemistry and Physiology Part C: Comparative Pharmacology*, **1991**, 99, 403-412		3
64	Neural Activation of the Cellular Immune System Involving an Opioid Mechanism in the Mollusc Mytilus edulisa. *Annals of the New York Academy of Sciences*, **1990**, 594, 494-495	6.5	3
63	Opioid potentiated chromatophorotropin regulation of pigment migration in the land crab Gecarcinus lateralis. *Comparative Biochemistry and Physiology Part C: Comparative Pharmacology*, **1986**, 83, 77-82		3
62	Depression: Evolutionary New Neural Circuitries Are Still Adjusting for Cognition. *Medical Science Monitor Basic Research*, **2015**, 21, 213-5	3.2	3
61	Augmentation of Whole-Body Metabolic Status by Mind-Body Training: Synchronous Integration of Tissue- and Organ-Specific Mitochondrial Function. *Medical Science Monitor Basic Research*, **2019**, 25, 8-14	3.2	3
60	Neuropeptides and Autoregulatory Immune Processes **1994**, 1-13		3
59	Interoception, Trait Anxiety, and the Gut Microbiome: A Cognitive and Physiological Model. *Medical Science Monitor*, **2021**, 27, e931962	3.2	3

58	Immunocytes modulate ganglionic nitric oxide release which later affects their activity level. *Neuroendocrinology Letters*, **2004**, 25, 57-61	0.3	3
57	Characterization of a morphine-like molecule in secretory granules of chromaffin cells. *Medical Science Monitor*, **2005**, 11, MS31-34	3.2	3
56	Central nervous system grey matter decreases in volume in smokers impacting cognitive abilities: A systematic review. *European Psychiatry*, **2017**, 41, s883-s883	6	2
55	Biological indications of a novel "short" □ opiate receptor in domestic chicken. *Archives of Medical Science*, **2010**, 6, 478-82	2.9	2
54	Cyclic exercise induces anti-inflammatory signal molecule increases in the plasma of Parkinson's patients. *International Journal of Molecular Medicine*, **2003**, 12, 485	4.4	2
53	Effect of in vivo and in vitro stimulation of delta1-opioid receptors on myocardial resistance to arrhythmogenic action of ischemia and reperfusion. *Bulletin of Experimental Biology and Medicine*, **2002**, 134, 359-62	0.8	2
52	Presence of endogenous morphine and morphine 6 glucuronide in human heart tissue. *International Journal of Molecular Medicine*, **2001**, 7, 419	4.4	2
51	The biology of deception: the reluctance to accept the cognitive animal. *Medical Hypotheses*, **1995**, 45, 190-2	3.8	2
50	Hyperstimulation of leukocytes by plasma from cardiopulmonary bypass patients is diminished by alpha-MSH pretreatment. *International Journal of Cardiology*, **1996**, 53 Suppl, S47-53	3.2	2
49	Inhibition of the calcitonin-induced outward current in identified Aplysia neurons by interleukin-1 and interleukin-2. *Cellular and Molecular Neurobiology*, **1994**, 14, 175-84	4.6	2
48	Autoimmunomodulation. Age-related opioid differences in vertebrate and invertebrate immune systems. *Annals of the New York Academy of Sciences*, **1992**, 663, 396-402	6.5	2
47	Convalescent Memory T Cell Immunity in Individuals with Mild or Asymptomatic SARS-CoV-2 Infection May Result from an Evolutionarily Adapted Immune Response to Coronavirus and the 'Common Cold'. *Medical Science Monitor*, **2020**, 26, e929789	3.2	2
46	Targeted D4 dopamine receptors: implications for drug discovery and therapeutic development. *Current Drug Targets*, **2013**, 14, 507-12	3	2
45	Evolutionary Perspective on Microglial/Neuronal Coupling with Special Relevance to Psychiatric Illnesses. *Journal of Psychiatry*, **2015**, 18,		2
44	DNA MemoChip: Long-Term and High Capacity Information Storage and Select Retrieval. *Medical Science Monitor*, **2018**, 24, 1185-1187	3.2	2
43	Endomorphin-1 and -2 inhibit human vascular sympathetic norepinephrine release: lack of interaction with mu 3 opiate receptor subtype. *Zhongguo Yao Li Xue Bao = Acta Pharmacologica Sinica*, **1998**, 19, 403-7		2
42	Religion and its effects on crime and delinquency. *Medical Science Monitor*, **2003**, 9, SR79-82	3.2	2
41	Morphine synthesis in animals. *Medical Science Monitor*, **2006**, 12, ED1-2	3.2	2

40	Inhibition of microglial egress in excised ganglia by human interleukin 10: Implications for its activity in invertebrates. *Acta Biologica Hungarica*, **1999**, 50, 247-256		2
39	Chronic alcohol exposure increases ganglia endogenous morphine levels. *Archives of Medical Science*, **2010**, 6, 316-20	2.9	1
38	Naltrexone suppresses the rejection of cardiac tissue transplantation. *International Journal of Cardiology*, **1998**, 64 Suppl 1, S23-7	3.2	1
37	Endogenous morphine synthetic pathway preceded and gave rise to catecholamine synthesis in evolution (Review). *International Journal of Molecular Medicine*, **2007**, 20, 837	4.4	1
36	Implication of endogenous morphine in the communication between neuroendocrine and immune systems. *Annals of the New York Academy of Sciences*, **2002**, 971, 542-3	6.5	1
35	Biochemical evidence of specific trypsin-chymotrypsin inhibitors in the rhynchobdellid leech, Theromyzon tessulatum. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2000**, 15, 367-79		1
34	Autoimmunoregulation and the importance of opioid peptides. *Annals of the New York Academy of Sciences*, **1994**, 712, 92-101	6.5	1
33	Analysis of monoamine accumulation in the neuronal tissues of Mytilus edulis (Bivalvia)Ⅳ. Variations due to age. *Comparative Biochemistry and Physiology Part C: Comparative Pharmacology*, **1983**, 74, 59-63		1
32	Interaction of substance P and opiates in the CNS of Helix pomatia L.. *Comparative Biochemistry and Physiology Part C: Comparative Pharmacology*, **1983**, 75, 387-390		1
31	Seasonal Variations of High-Affinity Opioid Binding Densities and Dopamine Responsiveness to DAMA in Molluscan Neural Tissuesa. *Annals of the New York Academy of Sciences*, **1986**, 463, 195-196	6.5	1
30	Analysis of monoamine accumulations in the neuronal tissues of Mytilus edulis (bivalvia)Ⅰ: Pharmacological alteration of pedal ganglia monoamine uptake. *Comparative Biochemistry and Physiology Part C: Comparative Pharmacology*, **1981**, 70, 215-221		1
29	Analysis of monoamine accumulations in the neuronal tissues of mytilus edulis and Anodonta cygnea (Bivalvia)Ⅱ. Temperature and seasonal influences. *Comparative Biochemistry and Physiology Part C: Comparative Pharmacology*, **1982**, 71, 209-213		1
28	Soluble and membrane-bound Met-enkephalin degrading peptidases in Mytilus edulis hemolymph. *Acta Biologica Hungarica*, **1992**, 43, 275-80		1
27	Opiates stimulate food consumption in the land snail Helix aspersa. *NIDA Research Monograph*, **1986**, 75, 493-6		1
26	Dopamine Coupling to Mitochondrial Signaling: Implications for Transplantation. *Annals of Transplantation*, **2016**, 21, 35-8	1.4	1
25	Association Between Red Blood Cell Distribution Width and Prognosis of Renal Transplant Recipients with Early-Onset Pneumonia. *Medical Science Monitor*, **2019**, 25, 6624-6630	3.2	1
24	Opioid peptides □comparative peripheral mechanisms **1989**, 112-129		1
23	OPIATES AND NEUROACTIVE PENTAPEPTIDES: BINDING CHARACTERISTICS AND INTERACTIONS WITH DOPAMINE STIMULATED CYCLASE IN THE PEDAL GANGLIA OF MYTILUS EDULIS **1981**, 423-452		1

22	Degradation of Neuropeptide Signal Molecules in Immunocytes of Vertebrates and Invertebrates **1994**, 152-170		1
21	Artificial Intelligence, DNA Mimicry, and Human Health. *Medical Science Monitor*, **2017**, 23, 3923-3924	3.2	1
20	Time Perception is a Focal Symptom of Attention-Deficit/Hyperactivity Disorder in Adults. *Medical Science Monitor*, **2021**, 27, e933766	3.2	1
19	SARS-CoV-2, Trait Anxiety, and the Microbiome. *Frontiers in Psychiatry*, **2021**, 12, 720082	5	1
18	Inhibition of microglial egress in excised ganglia by human interleukin 10: implications for its activity in invertebrates. *Acta Biologica Hungarica*, **1999**, 50, 247-56		1
17	Communication between animal cells and the plant foods they ingest: phyto-zooidal dependencies and signaling (Review). *International Journal of Molecular Medicine*, **2002**, 10, 413-21	4.4	1
16	Prebiotic Formation of Protoalkaloids within Alkaline Oceanic Hydrothermal Vents in the Hadean Seafloor as a Prerequisite for Evolutionary Biodiversity. *Medical Science Monitor*, **2020**, 26, e928415	3.2	0
15	Mitochondrial DNA Heteroplasmy as an Informational Reservoir Dynamically Linked to Metabolic and Immunological Processes Associated with COVID-19 Neurological Disorders. *Cellular and Molecular Neurobiology*, **2021**, 1	4.6	0
14	LPS and IL-1 increase endogenous morphine production in mollusk Mytilus edulis pedal ganglia. *Journal of Neurochemistry*, **2008**, 81, 54-56	6	
13	Communication between animal cells and the plant foods they ingest: Phyto-zooidal dependencies and signaling (Review). *International Journal of Molecular Medicine*, **2002**, 10, 413	4.4	
12	[13] Computer-assisted microscopic image analysis in neuroimmunology. *Methods in Neurosciences*, **1995**, 24, 210-219		
11	Chronic Opiate Administration: Demonstration of Tolerance in an Invertebratea. *Annals of the New York Academy of Sciences*, **1987**, 494, 302-303	6.5	
10	Increase in Enkephalin Levels and Decrease in High-Affinity Opioid Receptor Density in Invertebrate Neural Tissues during Aginga. *Annals of the New York Academy of Sciences*, **1984**, 435, 245-247	6.5	
9	Analysis of monoamine accumulations in the neuronal tissues of mytilus edulis (bivalvia) Ganglionic variations. *Comparative Biochemistry and Physiology Part C: Comparative Pharmacology*, **1981**, 70, 71-76		
8	Aging: Variations in opiate binding characteristics and dopamine responsiveness in subtidal and intertidal mytilus edulis visceral ganglia. *Comparative Biochemistry and Physiology Part C: Comparative Pharmacology*, **1982**, 72, 349-352		
7	Presence of enkephalin precursor in molluscan neural tissue extract. *NIDA Research Monograph*, **1986**, 75, 255-8		
6	Alterations of Opioid Regulatory Mechanisms Associated with Aging **1993**, 189-206		
5	Neuroimmunological Processes and Aging **1993**, 117-135		

4	The role of neuropeptides in immunoregulatory processes **1996**, 305-314	
3	Neuroimmune Chemical Messengers and Their Conservation During Evolution **2009**, 139-164	
2	Retraction note: Correlation Between High-Density Lipoprotein and Monocyte Subsets in Patients with Stable Coronary Heart Disease. *Medical Science Monitor*, **2016**, 22, 415	3.2
1	Music as an aid in the development of the social self. *Medical Science Monitor*, **2002**, 8, SR35-8	3.2