

# Neuropathic pain and cytokines: current perspectives

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Fractalkine/CX3CR1 signaling during neuropathic pain. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 121.	1.8	122
2	Neuronal CC chemokines: the distinct roles of CCL21 and CCL2 in neuropathic pain. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 210.	1.8	64
3	Clinical and symptomatological reflections: the fascial system. <i>Journal of Multidisciplinary Healthcare</i> , 2014, 7, 401.	1.1	69
4	Transient Receptor Potential Ankyrin 1 in Spinal Cord Dorsal Horn is Involved in Neuropathic Pain in Nerve Root Constriction Rats. <i>Molecular Pain</i> , 2014, 10, 1744-8069-10-58.	1.0	22
5	Aromatase Inhibition Exacerbates Pain and Reactive Gliosis in the Dorsal Horn of the Spinal Cord of Female Rats Caused by Spinothalamic Tract Injury. <i>Endocrinology</i> , 2014, 155, 4341-4355.	1.4	31
6	Anti-Inflammatory Effects of <i>Siegesbeckia orientalis</i> Ethanol Extract in In Vitro and In Vivo Models. <i>BioMed Research International</i> , 2014, 2014, 1-10.	0.9	25
7	The Role(s) of Cytokines/Chemokines in Urinary Bladder Inflammation and Dysfunction. <i>BioMed Research International</i> , 2014, 2014, 1-17.	0.9	54
8	Minocycline Enhances the Effectiveness of Nociceptin/Orphanin FQ during Neuropathic Pain. <i>BioMed Research International</i> , 2014, 2014, 1-12.	0.9	28
9	Ligustilide inhibits microglia-mediated proinflammatory cytokines production and inflammatory pain. <i>Brain Research Bulletin</i> , 2014, 109, 54-60.	1.4	56
10	Altered discharges of spinal neurons parallel the behavioral phenotype shown by rats with bortezomib related chemotherapy induced peripheral neuropathy. <i>Brain Research</i> , 2014, 1574, 6-13.	1.1	18
11	Emotional consequences of neuropathic pain: Insight from preclinical studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2014, 47, 154-164.	2.9	158
12	Inflammation triggers production of dimethylsphingosine from oligodendrocytes. <i>Neuroscience</i> , 2014, 279, 113-121.	1.1	18
13	Interactions between glia, the immune system and pain processes during early development. <i>Developmental Psychobiology</i> , 2014, 56, 1698-1710.	0.9	6
15	Current Gene Therapy using Viral Vectors for Chronic Pain. <i>Molecular Pain</i> , 2015, 11, s12990-015-0018.	1.0	55
16	Toll-like receptor 4 signaling in neurons of trigeminal ganglion contributes to nociception induced by acute pulpitis in rats. <i>Scientific Reports</i> , 2015, 5, 12549.	1.6	56
17	Spinal IL-33/ST2 Signaling Contributes to Neuropathic Pain via Neuronal CaMKII $\alpha$ -CREB and Astroglial JAK2-STAT3 Cascades in Mice. <i>Anesthesiology</i> , 2015, 123, 1154-1169.	1.3	84
18	Inhibition of microglial activity alters spinal wide dynamic range neuron discharge and reduces microglial Toll-like receptor 4 expression in neuropathic rats. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2015, 42, 772-779.	0.9	27
19	Chemokine-Ligands/Receptors: Multiplayers in Traumatic Spinal Cord Injury. <i>Mediators of Inflammation</i> , 2015, 2015, 1-9.	1.4	17

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20	Effect of pulsed electromagnetic field treatment on programmed resolution of inflammation pathway markers in human cells in culture. <i>Journal of Inflammation Research</i> , 2015, 8, 59.	1.6	32
21	The Role of Some Chemokines from the CXC Subfamily in a Mouse Model of Diabetic Neuropathy. <i>Journal of Diabetes Research</i> , 2015, 2015, 1-13.	1.0	32
22	In vivo and systems biology studies implicate IL-18 as a central mediator in chronic pain. <i>Journal of Neuroimmunology</i> , 2015, 283, 43-49.	1.1	27
23	Behavior of neuropathic pain in mice following chronic constriction injury comparing silk and catgut ligatures. <i>SpringerPlus</i> , 2015, 4, 225.	1.2	30
24	Opioid and chemokine receptor crosstalk: a promising target for pain therapy?. <i>Nature Reviews Neuroscience</i> , 2015, 16, 69-78.	4.9	123
25	MicroRNA-146a-5p attenuates neuropathic pain via suppressing TRAF6 signaling in the spinal cord. <i>Brain, Behavior, and Immunity</i> , 2015, 49, 119-129.	2.0	89
26	Crosstalk between the nociceptive and immune systems in host defence and disease. <i>Nature Reviews Neuroscience</i> , 2015, 16, 389-402.	4.9	148
27	p38 and interleukin-1 beta pathway via toll-like receptor 4 contributed to the skin and muscle incision and retraction-induced allodynia. <i>Journal of Surgical Research</i> , 2015, 197, 339-347.	0.8	15
28	The over-production of TNF- $\alpha$ via Toll-like receptor 4 in spinal dorsal horn contributes to the chronic postsurgical pain in rat. <i>Journal of Anesthesia</i> , 2015, 29, 734-740.	0.7	20
29	Interleukin-10 levels in rat models of nerve damage and neuropathic pain. <i>Neuroscience Letters</i> , 2015, 592, 99-106.	1.0	44
30	The Role of Glia in the Spinal Cord in Neuropathic and Inflammatory Pain. <i>Handbook of Experimental Pharmacology</i> , 2015, 227, 145-170.	0.9	199
31	Age differences in cytokine expression under conditions of health using experimental pain models. <i>Experimental Gerontology</i> , 2015, 72, 150-156.	1.2	28
32	Pathophysiology, assessment, and management of pain in critically ill adults. <i>American Journal of Health-System Pharmacy</i> , 2015, 72, 1531-1543.	0.5	25
33	Effects of curcumin and captopril on the functions of kidney and nerve in streptozotocin-induced diabetic rats: role of angiotensin converting enzyme 1. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015, 40, 1061-1067.	0.9	31
34	Diverse functional roles of lipocalin-2 in the central nervous system. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 49, 135-156.	2.9	128
35	Differential Association Between Biomarkers of Subclinical Inflammation and Painful Polyneuropathy: Results From the KORA F4 Study. <i>Diabetes Care</i> , 2015, 38, 91-96.	4.3	36
36	Inflammation, Psychiatric Symptoms, and Opioid Use Are Associated With Pain and Disability in Patients With Cirrhosis. <i>Clinical Gastroenterology and Hepatology</i> , 2015, 13, 1009-1016.	2.4	46
37	Attenuation of pain behaviour by local administration of alpha $\beta$ 2 adrenoceptor antagonists to dorsal root ganglia in a rat radiculopathy model. <i>European Journal of Pain</i> , 2016, 20, 790-799.	1.4	7

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38	Cerebrospinal Fluid Cytokines and Neurotrophic Factors in Human Chronic Pain Populations: A Comprehensive Review. <i>Pain Practice</i> , 2016, 16, 183-203.	0.9	47
39	The inflammasome as a target for pain therapy. <i>British Journal of Anaesthesia</i> , 2016, 117, 693-707.	1.5	48
40	Unexplained Painful Physical Symptoms in Patients with Major Depressive Disorder: Prevalence, Pathophysiology and Management. <i>CNS Drugs</i> , 2016, 30, 293-304.	2.7	63
41	The control of alternative splicing by SRSF1 in myelinated afferents contributes to the development of neuropathic pain. <i>Neurobiology of Disease</i> , 2016, 96, 186-200.	2.1	28
42	Effect of pioglitazone on neuropathic pain and spinal expression of TLR-4 and cytokines. <i>Experimental and Therapeutic Medicine</i> , 2016, 12, 2644-2650.	0.8	17
43	Medial plantar nerve ligation as a novel model of neuropathic pain in mice: pharmacological and molecular characterization. <i>Scientific Reports</i> , 2016, 6, 26955.	1.6	15
44	Glial contributions to visceral pain: implications for disease etiology and the female predominance of persistent pain. <i>Translational Psychiatry</i> , 2016, 6, e888-e888.	2.4	43
45	Percutaneous Treatment of Herniated Lumbar Discs with Ozone: Investigation of the Mechanisms of Action. <i>Journal of Vascular and Interventional Radiology</i> , 2016, 27, 1242-1250.e3.	0.2	39
47	Leukemia inhibitory factor (LIF) potentiates antinociception activity and inhibits tolerance induction of opioids. <i>British Journal of Anaesthesia</i> , 2016, 117, 512-520.	1.5	6
48	TRESK contributes to pain threshold changes by mediating apoptosis via MAPK pathway in the spinal cord. <i>Neuroscience</i> , 2016, 339, 622-633.	1.1	21
49	Activated Glia Increased the Level of Proinflammatory Cytokines in a Resiniferatoxin-Induced Neuropathic Pain Rat Model. <i>Regional Anesthesia and Pain Medicine</i> , 2016, 41, 744-749.	1.1	21
50	TMEM16F Regulates Spinal Microglial Function in Neuropathic Pain States. <i>Cell Reports</i> , 2016, 15, 2608-2615.	2.9	52
51	Elevation of Microglial Basic Fibroblast Growth Factor Contributes to Development of Neuropathic Pain after Spinal Nerve Ligation in Rats. <i>Spine</i> , 2016, 41, E108-E115.	1.0	7
52	An update on the causes, assessment and management of third division sensory trigeminal neuropathies. <i>British Dental Journal</i> , 2016, 220, 627-635.	0.3	13
53	Resveratrol suppresses glial activation and alleviates trigeminal neuralgia via activation of AMPK. <i>Journal of Neuroinflammation</i> , 2016, 13, 84.	3.1	70
54	Dynamic Mechanical Allodynia—One Clinical Sign, Several Mechanisms: Five Illustrative Cases. <i>Pain Practice</i> , 2016, 16, E48-55.	0.9	2
55	Interleukin-6: an emerging regulator of pathological pain. <i>Journal of Neuroinflammation</i> , 2016, 13, 141.	3.1	278
56	Pain Amplification Syndromes. , 2016, , 681-692.e7.		2

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57	Role of Collagen Conduit With Duloxetine and/or Pregabalin in the Management of Partial Peripheral Nerve Injury. <i>Journal of Oral and Maxillofacial Surgery</i> , 2016, 74, 1120-1130.	0.5	11
58	Altered release of chemokines by phagocytes from fibromyalgia patients: a pilot study. <i>Innate Immunity</i> , 2016, 22, 3-8.	1.1	6
59	Role of serotonin and nuclear factor-kappa B in the ameliorative effect of ginger on acetic acid-induced colitis. <i>Pathophysiology</i> , 2016, 23, 35-42.	1.0	9
60	Role of monocyte chemoattractant protein-1, stromal derived factor-1 and retinoic acid in pathophysiology of neuropathic pain in rats. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2016, 27, 411-424.	0.7	3
61	Neuropathic pain induced by spinal cord injury: Role of endothelin ETA and ETB receptors. <i>Neuroscience Letters</i> , 2016, 617, 14-21.	1.0	18
62	Serum levels of the proinflammatory cytokine interleukin-6 vary based on diagnoses in individuals with lumbar intervertebral disc diseases. <i>Arthritis Research and Therapy</i> , 2016, 18, 3.	1.6	96
63	Microglial P2Y12 receptors regulate microglial activation and surveillance during neuropathic pain. <i>Brain, Behavior, and Immunity</i> , 2016, 55, 82-92.	2.0	104
64	Upregulation of CCL2 via ATF3/c-Jun interaction mediated the Bortezomib-induced peripheral neuropathy. <i>Brain, Behavior, and Immunity</i> , 2016, 53, 96-104.	2.0	39
65	Activity-triggered tetrapartite neuron-glia interactions following peripheral injury. <i>Current Opinion in Pharmacology</i> , 2016, 26, 16-25.	1.7	38
66	The possible involvement of JNK activation in the spinal dorsal horn in bortezomib-induced allodynia: the role of TNF- $\alpha$ and IL-1 $\beta$ . <i>Journal of Anesthesia</i> , 2016, 30, 55-63.	0.7	24
67	Toxoplasma gondii Infection Promotes Neuroinflammation Through Cytokine Networks and Induced Hyperalgesia in BALB/c Mice. <i>Inflammation</i> , 2016, 39, 405-412.	1.7	36
68	Epigallocatechin-3-gallate treatment reduces thermal hyperalgesia after spinal cord injury by down-regulating RhoA expression in mice. <i>European Journal of Pain</i> , 2016, 20, 341-352.	1.4	28
69	Ameliorative potential of ferulic acid in vincristine-induced painful neuropathy in rats: An evidence of behavioral and biochemical examination. <i>Nutritional Neuroscience</i> , 2017, 20, 60-70.	1.5	52
70	Immune-mediated processes implicated in chemotherapy-induced peripheral neuropathy. <i>European Journal of Cancer</i> , 2017, 73, 22-29.	1.3	130
71	The role of microglia in the pathobiology of neuropathic pain development: what do we know?. <i>British Journal of Anaesthesia</i> , 2017, 118, 504-516.	1.5	145
72	(-)-Epigallocatechin-3-Gallate Antihyperalgesic Effect Associates With Reduced CX3CL1 Chemokine Expression in Spinal Cord. <i>Phytotherapy Research</i> , 2017, 31, 340-344.	2.8	16
73	Standardized <i>Passiflora incarnata</i> L. Extract Reverts the Analgesia Induced by Alcohol Withdrawal in Rats. <i>Phytotherapy Research</i> , 2017, 31, 1199-1208.	2.8	9
74	Inhibition of neuropathic hyperalgesia by intrathecal bone marrow stromal cells is associated with alteration of multiple soluble factors in cerebrospinal fluid. <i>Experimental Brain Research</i> , 2017, 235, 2627-2638.	0.7	12

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75	Breaking barriers to novel analgesic drug development. <i>Nature Reviews Drug Discovery</i> , 2017, 16, 545-564.	21.5	258
76	Antiallodynic Activity of Ceftriaxone and Clavulanic Acid in Acute Administration is Associated with Serum TNF- $\alpha$ Modulation and Activation of Dopaminergic and Opioidergic Systems. <i>Drug Development Research</i> , 2017, 78, 105-115.	1.4	9
77	A preliminary investigation on the effect of extracorporeal shock wave therapy as a treatment for neurogenic heterotopic ossification following traumatic brain injury. Part I: Effects on pain. <i>Brain Injury</i> , 2017, 31, 526-532.	0.6	13
78	The novel and potent anti-depressive action of triptolide and its influences on hippocampal neuroinflammation in a rat model of depression comorbidity of chronic pain. <i>Brain, Behavior, and Immunity</i> , 2017, 64, 180-194.	2.0	37
79	IL-17 contributed to the neuropathic pain following peripheral nerve injury by promoting astrocyte proliferation and secretion of proinflammatory cytokines. <i>Molecular Medicine Reports</i> , 2017, 15, 89-96.	1.1	59
80	Cardamonin attenuates hyperalgesia and allodynia in a mouse model of chronic constriction injury-induced neuropathic pain: Possible involvement of the opioid system. <i>European Journal of Pharmacology</i> , 2017, 796, 32-38.	1.7	17
81	The therapeutic potential of targeting chemokine signalling in the treatment of chronic pain. <i>Journal of Neurochemistry</i> , 2017, 141, 520-531.	2.1	36
82	Monoclonal antibodies for chronic pain: A practical review of mechanisms and clinical applications. <i>Molecular Pain</i> , 2017, 13, 174480691774023.	1.0	21
83	Integrated analysis of microRNA and mRNA expression profiles in the rat spinal cord under inflammatory pain conditions. <i>European Journal of Neuroscience</i> , 2017, 46, 2713-2728.	1.2	19
84	Targeting cytokines for treatment of neuropathic pain. <i>Scandinavian Journal of Pain</i> , 2017, 17, 287-293.	0.5	118
85	Association of inflammatory mediators with pain perception. <i>Biomedicine and Pharmacotherapy</i> , 2017, 96, 1445-1452.	2.5	70
86	Spinal microglia are required for long-term maintenance of neuropathic pain. <i>Pain</i> , 2017, 158, 1792-1801.	2.0	83
87	Anti-rheumatic drug iguratimod protects against cancer-induced bone pain and bone destruction in a rat model. <i>Oncology Letters</i> , 2017, 13, 4849-4856.	0.8	7
88	Alterations in the inflammatory cytokines and brain-derived neurotrophic factor contribute to depression-like phenotype after spared nerve injury: improvement by ketamine. <i>Scientific Reports</i> , 2017, 7, 3124.	1.6	57
89	The analgesic effects of triptolide in the bone cancer pain rats via inhibiting the upregulation of HDACs in spinal glial cells. <i>Journal of Neuroinflammation</i> , 2017, 14, 213.	3.1	39
90	Neuron-Glia Crosstalk and Neuropathic Pain: Involvement in the Modulation of Motor Activity in the Orofacial Region. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2051.	1.8	49
91	SDF1-CXCR4 Signaling Maintains Central Post-Stroke Pain through Mediation of Glial-Neuronal Interactions. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 226.	1.4	27
92	Intrathecal Resiniferatoxin Modulates TRPV1 in DRG Neurons and Reduces TNF-Induced Pain-Related Behavior. <i>Mediators of Inflammation</i> , 2017, 2017, 1-8.	1.4	22

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93	Forced exercise attenuates neuropathic pain in chronic constriction injury of male rat: an investigation of oxidative stress and inflammation. <i>Journal of Pain Research</i> , 2017, Volume 10, 1457-1466.	0.8	41
94	LncRNA expression in the spinal cord modulated by minocycline in a mouse model of spared nerve injury. <i>Journal of Pain Research</i> , 2017, Volume 10, 2503-2514.	0.8	27
95	Reduced GABAergic neuronal activity in zona incerta causes neuropathic pain in a rat sciatic nerve chronic constriction injury model. <i>Journal of Pain Research</i> , 2017, Volume 10, 1125-1134.	0.8	26
96	P2Y <sub>12</sub> and P2Y <sub>13</sub> receptors involved in ADP-induced the release of IL-1 $\beta$ , IL-6 and TNF- $\alpha$ from cultured dorsal horn microglia. <i>Journal of Pain Research</i> , 2017, Volume 10, 1755-1767.	0.8	37
97	Tumor necrosis factor $\alpha$ modulates sodium-activated potassium channel SLICK in rat dorsal horn neurons via p38 MAPK activation pathway. <i>Journal of Pain Research</i> , 2017, Volume 10, 1265-1271.	0.8	10
98	Wu-tou decoction attenuates neuropathic pain via suppressing spinal astrocytic IL-1R1/TRAF6/JNK signaling. <i>Oncotarget</i> , 2017, 8, 92864-92879.	0.8	6
99	Critical role of sigma-1 receptors in central neuropathic pain-related behaviours after mild spinal cord injury in mice. <i>Scientific Reports</i> , 2018, 8, 3873.	1.6	50
100	Kindlin-1 Regulates Astrocyte Activation and Pain Sensitivity in Rats With Neuropathic Pain. <i>Regional Anesthesia and Pain Medicine</i> , 2018, 43, 1.	1.1	13
101	Picoside II Attenuates CCI-Induced Neuropathic Pain in Rats by Inhibiting Spinal Reactive Astrocyte-Mediated Neuroinflammation Through the NF- $\kappa$ B Pathway. <i>Neurochemical Research</i> , 2018, 43, 1058-1066.	1.6	18
102	Improved therapeutic potential of tapentadol employing cationic exchange resins as carriers in neuropathic pain: evidence from pharmacokinetic and pharmacodynamics study. <i>Scientific Reports</i> , 2018, 8, 2812.	1.6	4
103	Inducible nitric oxide synthase inhibition by 1400W limits pain hypersensitivity in a neuropathic pain rat model. <i>Experimental Physiology</i> , 2018, 103, 535-544.	0.9	21
104	Effects of palmatine on rats with comorbidity of diabetic neuropathic pain and depression. <i>Brain Research Bulletin</i> , 2018, 139, 56-66.	1.4	42
105	Overlapping Chronic Pain and Depression: Pathophysiology and Management. , 2018, , 163-174.		0
106	Dysregulation of sphingolipid metabolism contributes to bortezomib-induced neuropathic pain. <i>Journal of Experimental Medicine</i> , 2018, 215, 1301-1313.	4.2	102
107	No requirement of interleukin-1 for long-term potentiation in the anterior cingulate cortex of adult mice. <i>Molecular Pain</i> , 2018, 14, 174480691876579.	1.0	3
108	Antiallodynic activity of leflunomide is partially inhibited by naltrexone and glibenclamide and associated with reduced production of TNF- $\alpha$ and CXCL-1. <i>European Journal of Pharmacology</i> , 2018, 818, 17-25.	1.7	14
109	Circadian control of pain and neuroinflammation. <i>Journal of Neuroscience Research</i> , 2018, 96, 1002-1020.	1.3	58
110	MiR-145 ameliorates neuropathic pain via inhibiting inflammatory responses and mTOR signaling pathway by targeting Akt3 in a rat model. <i>Neuroscience Research</i> , 2018, 134, 10-17.	1.0	42

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111	Regular Exercise Modifies Histopathological Outcomes of Pharmacological Treatment in Experimental Autoimmune Encephalomyelitis. <i>Frontiers in Neurology</i> , 2018, 9, 950.	1.1	16
112	STIM Proteins and Orai Ca <sup>2+</sup> Channels Are Involved in the Intracellular Pathways Activated by TLQP-21 in RAW264.7 Macrophages. <i>Frontiers in Pharmacology</i> , 2018, 9, 1386.	1.6	6
113	Dexmedetomidine Reduces Diabetic Neuropathy Pain in Rats through the Wnt 10a/ $\beta$ -Catenin Signaling Pathway. <i>BioMed Research International</i> , 2018, 2018, 1-7.	0.9	15
114	Astrocyte progenitor transplantation promotes regeneration of bulbospinal respiratory axons, recovery of diaphragm function, and a reduced macrophage response following cervical spinal cord injury. <i>Glia</i> , 2019, 67, 452-466.	2.5	32
115	Blocking TRPA1 and TNF- $\alpha$ Signal Improves Bortezomib-Induced Neuropathic Pain. <i>Cellular Physiology and Biochemistry</i> , 2018, 51, 2098-2110.	1.1	30
116	Reducing inflammation through delivery of lentivirus encoding for anti-inflammatory cytokines attenuates neuropathic pain after spinal cord injury. <i>Journal of Controlled Release</i> , 2018, 290, 88-101.	4.8	49
117	Role of Neuroinflammation in Opioid Tolerance: Translational Evidence from Human-to-Rodent Studies. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1099, 125-139.	0.8	16
118	Mechanisms Underlying Bone and Joint Pain. <i>Current Osteoporosis Reports</i> , 2018, 16, 763-771.	1.5	13
119	Fast Green FCF Alleviates Pain Hypersensitivity and Down-Regulates the Levels of Spinal P2X4 Expression and Pro-inflammatory Cytokines in a Rodent Inflammatory Pain Model. <i>Frontiers in Pharmacology</i> , 2018, 9, 534.	1.6	19
120	Neurochemistry of Somatosensory and Pain Processing. , 2018, , 11-20.e2.		1
121	Activation of Astrocytes and Microglial Cells and CCL2/CCR2 Upregulation in the Dorsolateral and Ventrolateral Nuclei of Periaqueductal Gray and Rostral Ventromedial Medulla Following Different Types of Sciatic Nerve Injury. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 40.	1.8	48
122	Molecular evaluation of anti-inflammatory activity of phenolic lipid extracted from cashew nut shell liquid (CNSL). <i>BMC Complementary and Alternative Medicine</i> , 2018, 18, 181.	3.7	20
123	Histone deacetylase inhibition inhibits brachial plexus avulsion-induced neuropathic pain. <i>Muscle and Nerve</i> , 2018, 58, 434-440.	1.0	12
124	Treatment of Neuropathic Pain in Brachial Plexus Injuries. , 0, , .		3
125	Peripheral Nerve Injury Triggers Neuroinflammation in the Medial Prefrontal Cortex and Ventral Hippocampus in a Subgroup of Rats with Coincident Affective Behavioural Changes. <i>Neuroscience</i> , 2019, 416, 147-167.	1.1	43
126	MiR-1906 attenuates neuropathic pain in rats by regulating the TLR4/mTOR/ Akt signaling pathway. <i>Translational Neuroscience</i> , 2019, 10, 175-179.	0.7	8
127	An update on reactive astrocytes in chronic pain. <i>Journal of Neuroinflammation</i> , 2019, 16, 140.	3.1	200
128	Pathological pain processing in mouse models of multiple sclerosis and spinal cord injury: contribution of plasma membrane calcium ATPase 2 (PMCA2). <i>Journal of Neuroinflammation</i> , 2019, 16, 207.	3.1	14



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129	The Elevated Serum Level of IFN- $\gamma$ in Patients with Failed Back Surgery Syndrome Remains Unchanged after Spinal Cord Stimulation. <i>Disease Markers</i> , 2019, 2019, 1-10.	0.6	18
130	Essential roles of C-type lectin Mincle in induction of neuropathic pain in mice. <i>Scientific Reports</i> , 2019, 9, 872.	1.6	9
131	Chemokine Signaling in Chemotherapy-Induced Neuropathic Pain. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2904.	1.8	69
132	miR-21-5p inhibits neuropathic pain development via directly targeting CCR motif ligand 1 and tissue inhibitor of metalloproteinase-3. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 16614-16623.	1.2	17
133	XPro1595 ameliorates bone cancer pain in rats via inhibiting p38-mediated glial cell activation and neuroinflammation in the spinal dorsal horn. <i>Brain Research Bulletin</i> , 2019, 149, 137-147.	1.4	8
134	Chemokines CCL2 and CCL7, but not CCL12, play a significant role in the development of pain-related behavior and opioid-induced analgesia. <i>Cytokine</i> , 2019, 119, 202-213.	1.4	46
135	Progressive Increase of Inflammatory CXCR4 and TNF-Alpha in the Dorsal Root Ganglia and Spinal Cord Maintains Peripheral and Central Sensitization to Diabetic Neuropathic Pain in Rats. <i>Mediators of Inflammation</i> , 2019, 2019, 1-11.	1.4	20
136	Neuroimmune interactions in chronic pain – An interdisciplinary perspective. <i>Brain, Behavior, and Immunity</i> , 2019, 79, 56-62.	2.0	34
137	Engagement of MicroRNA-155 in Exaggerated Oxidative Stress Signal and TRPA1 in the Dorsal Horn of the Spinal Cord and Neuropathic Pain During Chemotherapeutic Oxaliplatin. <i>Neurotoxicity Research</i> , 2019, 36, 712-723.	1.3	32
138	Repeated Sigma-1 Receptor Antagonist MR309 Administration Modulates Central Neuropathic Pain Development After Spinal Cord Injury in Mice. <i>Frontiers in Pharmacology</i> , 2019, 10, 222.	1.6	25
139	The molecular neurobiology of chronic pain-induced depression. <i>Cell and Tissue Research</i> , 2019, 377, 21-43.	1.5	88
140	Crotoxin Conjugated to SBA-15 Nanostructured Mesoporous Silica Induces Long-Last Analgesic Effect in the Neuropathic Pain Model in Mice. <i>Toxins</i> , 2019, 11, 679.	1.5	17
141	Targeting inflammatory components in neuropathic pain: The analgesic effect of thymulin related peptide. <i>Neuroscience Letters</i> , 2019, 702, 61-65.	1.0	13
142	Metal Drugs and the Anticancer Immune Response. <i>Chemical Reviews</i> , 2019, 119, 1519-1624.	23.0	237
143	Emerging Biomarkers, Tools, and Treatments for Diabetic Polyneuropathy. <i>Endocrine Reviews</i> , 2019, 40, 153-192.	8.9	140
144	Neurotrophins, Cytokines, and Pain. , 0, , 770-816.		2
145	miR-129-5p Alleviates Neuropathic Pain Through Regulating HMGB1 Expression in CCI Rat Models. <i>Journal of Molecular Neuroscience</i> , 2020, 70, 84-93.	1.1	25
146	miR-101 down-regulates mTOR expression and attenuates neuropathic pain in chronic constriction injury rat models. <i>Neuroscience Research</i> , 2020, 158, 30-36.	1.0	13

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147	Targeting Extracellular miR-21-TLR7 Signaling Provides Long-Lasting Analgesia in Osteoarthritis. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 19, 199-207.	2.3	27
148	N-Docosahexaenoyl ethanolamine Attenuates Neuroinflammation and Improves Hippocampal Neurogenesis in Rats with Sciatic Nerve Chronic Constriction Injury. <i>Marine Drugs</i> , 2020, 18, 516.	2.2	18
149	Persistent pain induces mood problems and memory loss by the involvement of cytokines, growth factors, and supraspinal glial cells. <i>Brain, Behavior, &amp; Immunity - Health</i> , 2020, 7, 100118.	1.3	6
150	Adenosine receptor signalling: Probing the potential pathways for the ministration of neuropathic pain. <i>European Journal of Pharmacology</i> , 2020, 889, 173619.	1.7	12
151	Neuroinflammation, oxidative stress and their interplay in neuropathic pain: Focus on specialized pro-resolving mediators and NADPH oxidase inhibitors as potential therapeutic strategies. <i>Pharmacological Research</i> , 2020, 162, 105280.	3.1	36
152	Antinociceptive and neurochemical effects of a single dose of IB-MECA in chronic pain rat models. <i>Purinergic Signalling</i> , 2020, 16, 573-584.	1.1	1
153	An Investigation into Proteomic Constituents of Cerebrospinal Fluid in Patients with Chronic Peripheral Neuropathic Pain Medicated with Opioids- a Pilot Study. <i>Journal of Neuroimmune Pharmacology</i> , 2020, 16, 634-650.	2.1	2
154	Effect of circadian rhythm on the pain associated with preventive onabotulinumtoxinA injections for migraines. <i>Chronobiology International</i> , 2020, 37, 1766-1771.	0.9	4
155	Pain Mechanism in Rheumatoid Arthritis: From Cytokines to Central Sensitization. <i>Mediators of Inflammation</i> , 2020, 2020, 1-11.	1.4	31
156	Red nucleus IL-6 mediates the maintenance of neuropathic pain by inducing the productions of TNF- $\alpha$ and IL-1 $\beta$ through the JAK2/STAT3 and ERK signaling pathways. <i>Neuropathology</i> , 2020, 40, 347-357.	0.7	14
157	A novel immunocompetent model of metastatic prostate cancer-induced bone pain. <i>Prostate</i> , 2020, 80, 782-794.	1.2	6
158	CCR4 antagonist (CO21) influences the level of nociceptive factors and enhances the analgesic potency of morphine in a rat model of neuropathic pain. <i>European Journal of Pharmacology</i> , 2020, 880, 173166.	1.7	16
159	Chronic Inflammatory Lameness Increases Cytokine Concentration in the Spinal Cord of Dairy Cows. <i>Frontiers in Veterinary Science</i> , 2020, 7, 125.	0.9	8
160	Dexmedetomidine Alleviates CCI-Induced Neuropathic Pain via Inhibiting HMGB1-Mediated Astrocyte Activation and the TLR4/NF- $\kappa$ B Signaling Pathway in Rats. <i>Neurotoxicity Research</i> , 2020, 38, 723-732.	1.3	15
161	The Role of Spinal Cord CX3CL1/CX3CR1 Signalling in Chronic Pain. <i>Current Tissue Microenvironment Reports</i> , 2020, 1, 23-29.	1.3	4
162	Participation of CXCL1 in the glial cells during neuropathic pain. <i>European Journal of Pharmacology</i> , 2020, 875, 173039.	1.7	16
163	IL-27 Counteracts Neuropathic Pain Development Through Induction of IL-10. <i>Frontiers in Immunology</i> , 2019, 10, 3059.	2.2	26
164	Biomarkers in temporomandibular disorder and trigeminal neuralgia: A conceptual framework for understanding chronic pain. <i>Canadian Journal of Pain</i> , 2020, 4, 1-18.	0.6	11

#	ARTICLE	IF	CITATIONS
165	Neuroprotective effects of isoquercitrin in diabetic neuropathy via Wnt/ $\beta$ -catenin signaling pathway inhibition. <i>BioFactors</i> , 2020, 46, 411-420.	2.6	21
166	Trigeminal neuralgia causes neurodegeneration in rats associated with upregulation of the CD95/CD95L pathway. <i>Molecular Pain</i> , 2020, 16, 174480692090809.	1.0	13
167	Inhibition of microRNA-155 Reduces Neuropathic Pain During Chemotherapeutic Bortezomib via Engagement of Neuroinflammation. <i>Frontiers in Oncology</i> , 2020, 10, 416.	1.3	19
168	Suppression of histone deacetylases by SAHA relieves bone cancer pain in rats via inhibiting activation of glial cells in spinal dorsal horn and dorsal root ganglia. <i>Journal of Neuroinflammation</i> , 2020, 17, 125.	3.1	33
169	HPLC-DAD-UV analysis, anti-inflammatory and anti-neuropathic effects of methanolic extract of <i>Sideritis bilgeriana</i> (Lamiaceae) by NF- $\kappa$ B, TNF- $\alpha$ , IL-1 $\beta$ and IL-6 involvement. <i>Journal of Ethnopharmacology</i> , 2021, 265, 113338.	2.0	29
170	The truncated human beta-defensin 118 can modulate lipopolysaccharide mediated inflammatory response in RAW264.7 macrophages. <i>Peptides</i> , 2021, 136, 170438.	1.2	8
171	7 $\beta$ -(3-Ethyl-cis-crotonoyloxy)-1 $\beta$ -(2-methylbutyryloxy)-3,14-dehydro-Z Notonipetranone Attenuates Neuropathic Pain by Suppressing Oxidative Stress, Inflammatory and Pro-Apoptotic Protein Expressions. <i>Molecules</i> , 2021, 26, 181.	1.7	22
172	Prospects for the application of transcranial magnetic stimulation in diabetic neuropathy. <i>Neural Regeneration Research</i> , 2021, 16, 955.	1.6	3
173	Intravenous lidocaine alleviates postherpetic neuralgia in rats via regulation of neuroinflammation of microglia and astrocytes. <i>IScience</i> , 2021, 24, 102108.	1.9	17
174	N-palmitoyl-D-glucosamine, A Natural Monosaccharide-Based Glycolipid, Inhibits TLR4 and Prevents LPS-Induced Inflammation and Neuropathic Pain in Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1491.	1.8	19
175	Role of peripheral and central sensitization in the anti-hyperalgesic effect of hecogenin acetate, an acetylated sapogenin, complexed with $\beta$ -cyclodextrin: Involvement of NF- $\kappa$ B and p38 MAPK pathways. <i>Neuropharmacology</i> , 2021, 186, 108395.	2.0	6
176	Astrocyte reactivity in spinal cord and functional impairment after tendon injury in rats. <i>Heliyon</i> , 2021, 7, e06845.	1.4	2
177	Sympathectomy decreases pain behaviors and nerve regeneration by downregulating monocyte chemokine CCL2 in dorsal root ganglia in the rat tibial nerve crush model. <i>Pain</i> , 2022, 163, e106-e120.	2.0	12
178	Methylmercury induces hyperalgesia/allodynia through spinal cord dorsal horn neuronal activation and subsequent somatosensory cortical circuit formation in rats. <i>Archives of Toxicology</i> , 2021, 95, 2151-2162.	1.9	5
179	Evaluation of the GABAA Receptor Expression and the Effects of Muscimol on the Activity of Wide Dynamic Range Neurons Following Chronic Constriction Injury of the Sciatic Nerve in Rats. <i>Basic and Clinical Neuroscience</i> , 2021, 12, 651-666.	0.3	3
180	Exercise induced hypoalgesia profile in rats is associated with IL-10 and IL-1 $\beta$ levels and pain severity following nerve injury. <i>Cytokine</i> , 2021, 143, 155540.	1.4	7
181	A peripheral CB2 cannabinoid receptor mechanism suppresses chemotherapy-induced peripheral neuropathy: evidence from a CB2 reporter mouse. <i>Pain</i> , 2022, 163, 834-851.	2.0	17
182	Cervical spinal cord injury-induced neuropathic pain in male mice is associated with a persistent pro-inflammatory macrophage/microglial response in the superficial dorsal horn. <i>Experimental Neurology</i> , 2021, 343, 113757.	2.0	19

#	ARTICLE	IF	CITATIONS
183	Dexmedetomidine Relieves Neuropathic Pain in Rats With Chronic Constriction Injury via the Keap1â€‘Nrf2 Pathway. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 714996.	1.8	7
184	Autoimmune regulation of chronic pain. <i>Pain Reports</i> , 2021, 6, e905.	1.4	26
185	The effect of melatonin on gene expression of calcitonin gene-related peptide and some proinflammatory mediators in patients with pure menstrual migraine. <i>Acta Neurologica Belgica</i> , 2017, 117, 677-685.	0.5	16
186	Silencing of PTX3 alleviates LPS-induced inflammatory pain by regulating TLR4/NF-Î² signaling pathway in mice. <i>Bioscience Reports</i> , 2020, 40, .	1.1	14
187	Patterns of chronic inflammation in extensively treated patients with arachnoiditis and chronic intractable pain. <i>Postgraduate Medicine</i> , 2017, 129, 87-91.	0.9	6
188	Down-Regulation of miRNA-128 Contributes to Neuropathic Pain Following Spinal Cord Injury via Activation of P38. <i>Medical Science Monitor</i> , 2017, 23, 405-411.	0.5	42
189	Mycolactone displays anti-inflammatory effects on the nervous system. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0006058.	1.3	17
190	Antagonism of the Prokineticin System Prevents and Reverses Allodynia and Inflammation in a Mouse Model of Diabetes. <i>PLoS ONE</i> , 2016, 11, e0146259.	1.1	27
191	Microglial TNFÎ± Induces COX2 and PGI2 Synthase Expression in Spinal Endothelial Cells during Neuropathic Pain. <i>ENeuro</i> , 2017, 4, ENEURO.0064-17.2017.	0.9	42
192	Contribution of CD137L to Sensory Hypersensitivity in a Murine Model of Neuropathic Pain. <i>ENeuro</i> , 2018, 5, ENEURO.0218-18.2018.	0.9	8
193	Targeting Cytokines for Morphine Tolerance: A Narrative Review. <i>Current Neuropharmacology</i> , 2019, 17, 366-376.	1.4	31
194	Cardamonin inhibits nitric oxide production modulated through NMDA receptor in LPS-Induced SH-SY5Y cell in vitro model. <i>Life Sciences Medicine and Biomedicine</i> , 2020, 4, .	0.1	2
195	Muscovite nanoparticles mitigate neuropathic pain by modulating the inflammatory response and neuroglial activation in the spinal cord. <i>Neural Regeneration Research</i> , 2020, 15, 2162.	1.6	10
196	Altered Inflammatory Mediators in Fibromyalgia. <i>Journal of Ancient Diseases &amp; Preventive Remedies</i> , 2017, 07, .	0.2	2
197	Wnt10a/Î²-catenin signalling is involved in kindlinâ€‘1-mediated astrocyte activation in a chronic construction injury rat model. <i>European Journal of Neuroscience</i> , 2021, 54, 7409-7421.	1.2	1
198	Biomarkers for Chronic Neuropathic Pain and their Potential Application in Spinal Cord Stimulation: A Review. <i>Translational Perioperative and Pain Medicine</i> , 2016, 3, .	0.0	2
199	The role of cytokines in the diagnostics of inflammatory diseases of the upper respiratory tract. <i>Rossiiskaya Rinologiya</i> , 2017, 25, 43.	0.1	5
200	The neuro-immunological interactions in pathogenesis of facial pain associated with the diseases of paranasal sinuses. <i>Rossiiskaya Rinologiya</i> , 2017, 25, 51.	0.1	0

#	ARTICLE	IF	CITATIONS
201	Hsp90: Is There an Unknown Role in Pain Neurobiology. <i>Heat Shock Proteins</i> , 2019, , 547-574.	0.2	0
202	Pain pharmacogenetics. <i>Drug Metabolism and Personalized Therapy</i> , 2020, 35, .	0.3	1
203	Atractylenolide-III suppresses lipopolysaccharide-induced inflammation via downregulation of toll-like receptor 4 in mouse microglia. <i>Heliyon</i> , 2021, 7, e08269.	1.4	12
204	Anti-inflammatory and modulatory effects of steroidal saponins and sapogenins on cytokines: A review of pre-clinical research. <i>Phytomedicine</i> , 2022, 96, 153842.	2.3	30
205	Analgesic and anti-inflammatory effects of modafinil in a mouse model of neuropathic pain: A role for nitrergic and serotonergic pathways. <i>Neurological Research</i> , 2022, 44, 390-402.	0.6	2
206	MiR-30b-5p attenuates neuropathic pain by the CYP24A1-Wnt/ $\beta$ -catenin signaling in CCI rats. <i>Experimental Brain Research</i> , 2022, 240, 263-277.	0.7	8
207	MiR-19a targets suppressor of cytokine signaling 1 to modulate the progression of neuropathic pain. <i>International Journal of Clinical and Experimental Pathology</i> , 2015, 8, 10901-7.	0.5	12
208	Biomarkers for Chronic Neuropathic Pain and their Potential Application in Spinal Cord Stimulation: A Review. <i>Translational Perioperative and Pain Medicine</i> , 2016, 1, 33-38.	0.0	4
209	Combination therapy with extracorporeal shock wave and melatonin markedly attenuated neuropathic pain in rat. <i>American Journal of Translational Research (discontinued)</i> , 2017, 9, 4593-4606.	0.0	15
210	Spinal astrocytic FGFR3 activation leads to mechanical hypersensitivity by increased TNF- $\alpha$ in spared nerve injury. <i>International Journal of Clinical and Experimental Pathology</i> , 2019, 12, 2898-2908.	0.5	3
211	Analgesic effect of $\alpha$ -terpineol on neuropathic pain induced by chronic constriction injury in rat sciatic nerve: Involvement of spinal microglial cells and inflammatory cytokines. <i>Iranian Journal of Basic Medical Sciences</i> , 2019, 22, 1445-1451.	1.0	10
212	RIP3 Inhibition ameliorates chronic constriction injury-induced neuropathic pain by suppressing JNK signaling. <i>Aging</i> , 2021, 13, 24417-24431.	1.4	10
213	Epigenetic modifications in neuropathic pain. <i>Molecular Pain</i> , 2021, 17, 174480692110567.	1.0	15
214	TNF- $\alpha$ -Mediated RIPK1 Pathway Participates in the Development of Trigeminal Neuropathic Pain in Rats. <i>International Journal of Molecular Sciences</i> , 2022, 23, 506.	1.8	2
216	A Bioinformatics Study of Immune Infiltration-Associated Genes in Sciatica. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-8.	1.1	5
217	Effects of norepinephrine on microglial neuroinflammation and neuropathic pain. , 2021, 7, 309-317.		5
228	Z-Guggulsterone Relieves Neuropathic Pain by Inhibiting the Expression of Astrocytes and Proinflammatory Cytokines in the Spinal Dorsal Horn. <i>Journal of Pain Research</i> , 2022, Volume 15, 1315-1324.	0.8	2
229	The Role of Bone Morphogenetic Protein 4 in Microglial Polarization in the Process of Neuropathic Pain. <i>Journal of Inflammation Research</i> , 2022, Volume 15, 2803-2817.	1.6	2

#	ARTICLE	IF	CITATIONS
230	Future Treatment of Neuropathic Pain in Spinal Cord Injury: The Challenges of Nanomedicine, Supplements or Opportunities?. <i>Biomedicines</i> , 2022, 10, 1373.	1.4	4
231	Titrating the Translational Relevance of a Low-Level Repetitive Head Impact Model. <i>Frontiers in Neurology</i> , 0, 13, .	1.1	2
232	Alterations of monoamine neurotransmitters, HPA-axis hormones, and inflammation cytokines in reserpine-induced hyperalgesia and depression comorbidity rat model. <i>BMC Psychiatry</i> , 2022, 22, .	1.1	13
233	Effect of Physiotherapeutic Interventions on Biomarkers of Neuropathic Pain: A Systematic Review of Preclinical Literature. <i>Journal of Pain</i> , 2022, 23, 1833-1855.	0.7	9
235	Imbalance of Th1 and Th2 cytokines and stem cell therapy in pathological pain. <i>CNS and Neurological Disorders - Drug Targets</i> , 2022, 22, .	0.8	0
236	Inhibitory Effects of Antimicrobial Peptides from <i>Lactobacillus casei</i> HZ1 on Lipopolysaccharide-Induced RAW264.7 Macrophages Inflammation. <i>International Journal of Peptide Research and Therapeutics</i> , 2023, 29, .	0.9	0
237	Excitatory and inhibitory neuronal signaling in inflammatory and diabetic neuropathic pain. <i>Molecular Medicine</i> , 2023, 29, .	1.9	3
238	COVID-19-Related Neuropathic Pain: A Systematic Review and Meta-Analysis. <i>Journal of Clinical Medicine</i> , 2023, 12, 1672.	1.0	3
239	A review of cytokine-based pathophysiology of Long COVID symptoms. <i>Frontiers in Medicine</i> , 0, 10, .	1.2	28
240	The role of chemokines in type 1 diabetes-associated neuropathy. <i>Endocrinology, Diabetes and Metabolism</i> , 2023, 6, .	1.0	2