

CITATION REPORT

List of articles citing

Effect of low- and high-frequency TENS on Met-enkephalin-Arg-Phe and dynorphin A immunoreactivity in human lumbar CSF

DOI: 10.1016/0304-3959(91)90218-m
Pain, 1991, 47, 295-298.

Source: <https://exaly.com/paper-pdf/22136539/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
329	Antinociception produced by 2 and 5 KHz peripheral stimulation in the rat. 1992 , 64, 15-22		13
328	Opioid peptides, pain and stress. 1992 , 92, 375-83		16
327	A randomized double-blind study of neuroelectric therapy in opiate and cocaine detoxification. 1992 , 4, 299-308		12
326	Increased release of immunoreactive CCK-8 by electroacupuncture and enhancement of electroacupuncture analgesia by CCK-B antagonist in rat spinal cord. 1993 , 24, 139-44		85
325	Reversal of electroacupuncture tolerance by CCK-8 antiserum: an electrophysiological study on pain-related neurons in nucleus parafascicularis of the rat. 1993 , 72, 15-29		24
324	Suppression of morphine abstinence syndrome by body electroacupuncture of different frequencies in rats. 1993 , 31, 169-75		50
323	Amelioration of stress in chemical dependency detoxification by transcranial electrostimulation. 1994 , 10, 115-126		5
322	Scientific study may pave the way for the use of acupuncture in pain medicine. 1994 , 3, 92-95		
321	Heroin addicts treated with transcutaneous electrical nerve stimulation of identified frequencies. 1994 , 54, 115-116		16
320	The effect of transcutaneous electrical nerve stimulation (TENS) on autonomic cardiovascular reflexes. 1995 , 5, 81-4		36
319	Changes in the content of immunoreactive dynorphin in dorsal and ventral spinal cord of the rat in three different conditions. 1995 , 82, 95-104		7
318	A double-blind investigation of the hypoalgesic effects of transcutaneous electrical nerve stimulation upon experimentally induced ischaemic pain. <i>Pain</i> , 1995 , 61, 39-45	8	54
317	Brain substrates activated by electroacupuncture of different frequencies (I): Comparative study on the expression of oncogene c-fos and genes coding for three opioid peptides. 1996 , 43, 157-66		77
316	Transcutaneous electrical nerve stimulation for the control of pain in musculoskeletal disorders. 1996 , 24, 208-26		59
315	Physiology of Acupuncture: Review of Thirty Years of Research. 1997 , 3, s-101-s-108		25
314	Effect of the Intensity of Transcutaneous Acupoint Electrical Stimulation on the Postoperative Analgesic Requirement. 1997 , 85, 406-413		5
313	Are nonpharmacologic techniques useful alternatives to antiemetic drugs for the prevention of nausea and vomiting?. 1997 , 84, 712-4		12

312	Are Nonpharmacologic Techniques Useful Alternatives to Antiemetic Drugs for the Prevention of Nausea and Vomiting?. 1997 , 84, 712-714		31
311	Effect of the intensity of transcutaneous acupoint electrical stimulation on the postoperative analgesic requirement. 1997 , 85, 406-13		152
310	A Review of Self-Injurious Behavior and Pain in Persons with Developmental Disabilities. 1997 , 69-111		9
309	Acupuncture-like transcutaneous electrical nerve stimulation within palliative care: a pilot study. 1997 , 5, 13-18		34
308	Central nervous system pathways for pain transmission and pain control: issues relevant to the practicing clinician. 1997 , 10, 64-77		7
307	Rats with decreased brain cholecystokinin levels show increased responsiveness to peripheral electrical stimulation-induced analgesia. 1997 , 745, 158-64		24
306	Intense peripheral electrical stimulation evokes brief and persistent inhibition of the nociceptive tail withdrawal reflex in the rat. 1997 , 761, 192-202		35
305	Treatment with either high or low frequency TENS reduces the secondary hyperalgesia observed after injection of kaolin and carrageenan into the knee joint. <i>Pain</i> , 1998 , 77, 97-102	8	97
304	Treatment Efficacy Of Acupuncture: A Review Of the Research Literature. 1998 , 1, 107-115		25
303	Acupuncture-like transcutaneous electrical nerve stimulation (AL-TENS) in the management of pain. 1998 , 3, 73-93		31
302	Acupuncture: Consensus Development Conference Report. 1998 , 6, 67-90		
301	Percutaneous electrical nerve stimulation: an alternative to antiviral drugs for acute herpes zoster. 1998 , 87, 911-4		11
300	The Effect of Location of Transcutaneous Electrical Nerve Stimulation on Postoperative Opioid Analgesic Requirement. 1998 , 87, 1129-1134		3
299	Percutaneous Electrical Nerve Stimulation. 1998 , 87, 911-914		98
298	The Effect of Location of Transcutaneous Electrical Nerve Stimulation on Postoperative Opioid Analgesic Requirement. 1998 , 87, 1129-1134		138
297	Changes of pulse rate and skin temperature evoked by electroacupuncture stimulation with different frequency on both Zusanli acupoints in humans. 1999 , 27, 11-8		30
296	Physiology of spinal cord stimulation: review and update. 1999 , 2, 150-64		224
295	Effect of transcutaneous electrical nerve stimulation for pain relief on patients undergoing hemorrhoidectomy: prospective, randomized, controlled trial. 1999 , 42, 180-5		30

294	Suppression of morphine withdrawal by electroacupuncture in rats: dynorphin and kappa-opioid receptor implicated. 1999 , 851, 290-6	62
293	Therapeutic modalities in hand surgery. 1999 , 24, 435-48	11
292	Transcutaneous electrical nerve stimulation: nonparallel antinociceptive effects on chronic clinical pain and acute experimental pain. 1999 , 80, 305-12	73
291	Transcutaneous electrical nerve stimulation (TENS) in neuropathic pain. 2000 , 12, 145-146	
290	Use of percutaneous electrical nerve stimulation (PENS) in the short-term management of headache. 2000 , 40, 311-5	40
289	Study of the effects of various transcutaneous electrical nerve stimulation (TENS) parameters upon the RIII nociceptive and H-reflexes in humans. 2000 , 20, 191-9	17
288	Lack of effect of acupuncture upon signs and symptoms of delayed onset muscle soreness. 2000 , 20, 449-56	27
287	Low frequency TENS is less effective than high frequency TENS at reducing inflammation-induced hyperalgesia in morphine-tolerant rats. 2000 , 4, 185-93	62
286	Analgesic effect of electric stimulation of peripheral nerves with different electric frequencies using the formalin test. 2000 , 28, 291-9	14
285	Percutaneous neuromodulation therapy: does the location of electrical stimulation effect the acute analgesic response?. 2000 , 91, 949-54	49
284	From opiate pharmacology to opioid peptide physiology. 2000 , 105, 1-15	24
283	Spinal kappa-opioid system plays an important role in suppressing morphine withdrawal syndrome in the rat. 2000 , 295, 45-8	20
282	Transcutaneous electrical nerve stimulation (TENS) for chronic pain. 2001 , CD003222	44
281	Stimulation with High-frequency TENS - Effects on Lower Limb Spasticity after Stroke. 2000 , 2, 183-187	11
280	Electroanalgesia: its role in acute and chronic pain management. 2001 , 92, 505-13	13
279	Specific manipulative therapy treatment for chronic lateral epicondylalgia produces uniquely characteristic hypoalgesia. 2001 , 6, 205-12	195
278	Nonpharmacological treatments for musculoskeletal pain. 2001 , 17, 33-46	123
277	Electroanalgesia: Its Role in Acute and Chronic Pain Management. 2001 , 92, 505-513	56

276	Efficacy of Transcutaneous Electrical Nerve Stimulation (TENS) for Rheumatoid Arthritis: A Systematic Review. 2002 , 7, 199-208		5
275	Effects of electroacupuncture on intraoperative and postoperative analgesic requirement. 2002 , 20, 56-65		76
274	TENS attenuates response to colon distension in paraplegic and quadriplegic rats. 2002 , 283, H1734-9		36
273	Efficacy of the transcutaneous electrical nerve stimulation for the treatment of chronic low back pain: a meta-analysis. 2002 , 27, 596-603		85
272	Does four weeks of TENS and/or isometric exercise produce cumulative reduction of osteoarthritic knee pain?. 2002 , 16, 749-60		76
271	Excitatory amino acid receptor antagonists and electroacupuncture synergetically inhibit carrageenan-induced behavioral hyperalgesia and spinal fos expression in rats. <i>Pain</i> , 2002 , 99, 525-535	8	82
270	Enhanced reduction in hyperalgesia by combined administration of clonidine and TENS. <i>Pain</i> , 2002 , 100, 183-90	8	24
269	Pain modulation triggered by high-intensity stimulation: implication for acupuncture analgesia?. 2002 , 1238, 11-29		27
268	Current concepts in electrotherapy. 2002 , 8, 413-8		26
267	A review of mechanisms of response to pain therapy: why voodoo works. 2002 , 42, 656-62		21
266	Efficacy of rehabilitative therapy in regional musculoskeletal conditions. 2003 , 17, 151-66		24
265	Kynurenic acid enhances electroacupuncture analgesia in normal and carrageenan-injected rats. 2003 , 966, 300-7		29
264	Brain opioid-receptors are involved in mediating peripheral electric stimulation-induced inhibition of morphine conditioned place preference in rats. 2003 , 981, 23-9		35
263	Relations between brain network activation and analgesic effect induced by low vs. high frequency electrical acupoint stimulation in different subjects: a functional magnetic resonance imaging study. 2003 , 982, 168-78		160
262	Acupuncture facilitates neuromuscular and oculomotor responses to skin incision with no influence on auditory evoked potentials under sevoflurane anaesthesia. 2003 , 47, 1073-8		6
261	Long-lasting effect of transcutaneous electrical nerve stimulation on the thermal hyperalgesia in the rat model of peripheral neuropathy. 2003 , 211, 43-7		10
260	Transcutaneous electrical nerve stimulation (TENS) for the treatment of rheumatoid arthritis in the hand. 2003 , CD004377		68
259	Effectiveness of transcutaneous electrical nerve stimulation on postoperative pain with movement. 2003 , 4, 455-64		102

258	Development of opioid tolerance with repeated transcutaneous electrical nerve stimulation administration. <i>Pain</i> , 2003 , 102, 195-201	8	82
257	Acupuncture: neuropeptide release produced by electrical stimulation of different frequencies. 2003 , 26, 17-22		712
256	Role of complementary and novel antiemetic therapies. 2003 , 41, 79-97		3
255	Modulation of cold pain in human brain by electric acupoint stimulation: evidence from fMRI. 2003 , 14, 1591-6		49
254	Principles and Techniques in Rehabilitation of the Athlete@ Foot: Part IâIntroduction of Concepts and AchillesTendon Rehabilitation. 2003 , 2, 51-60		4
253	Optimal stimulation duration of tens in the management of osteoarthritic knee pain. 2003 , 35, 62-8		73
252	Patterned Electrical Neuromuscular Stimulation Decreases the Incidence of Incontinence in Elderly Patients. 2004 , 16, 237-252		
251	Neurobiology of Acupuncture: Toward CAM. 2004 , 1, 41-47		113
250	The short- and long-term benefit in chronic low back pain through adjuvant electrical versus manual auricular acupuncture. 2004 , 98, 1359-64, table of contents		95
249	Efficacy of Transcutaneous Electrical Nerve Stimulation for Osteoarthritis of the Lower Extremities: a Meta-analysis. 2004 , 9, 213-233		13
248	Electrical stimulation therapy through stocking electrodes for painful diabetic neuropathy: a double blind, controlled crossover study. 2004 , 21, 940-4		21
247	Electroacupuncture for tension-type headache on distal acupoints only: a randomized, controlled, crossover trial. 2004 , 44, 333-41		37
246	Local transcutaneous electrical stimulation (TENS) effects in experimental inflammatory edema and pain. 2004 , 504, 217-22		32
245	Rectal hypersensitivity reduced by acupoint TENS in patients with diarrhea-predominant irritable bowel syndrome: a pilot study. 2004 , 49, 312-9		48
244	Electroacupuncture facilitates recovery of male sexual behavior in morphine withdrawal rats. 2004 , 29, 397-401		15
243	Transcutaneous electrical nerve stimulation prevents visceral pain in mice. 2004 , 51, 400		2
242	[Conservative treatment and rehabilitation of shoulder problems]. 2004 , 44, 597-603		3
241	Therapeutic modality: rehabilitation of the injured athlete. 2004 , 23, 299-313, vii		6

240	Non-opioid-dependent anti-inflammatory effects of low frequency electroacupuncture. 2004 , 62, 327-34	44
239	Suppression of neuropathic pain by peripheral electrical stimulation in rats: mu-opioid receptor and NMDA receptor implicated. 2004 , 187, 23-9	34
238	Repeated peripheral electrical stimulations suppress both morphine-induced CPP and reinstatement of extinguished CPP in rats: accelerated expression of PPE and PPD mRNA in NAc implicated. 2004 , 130, 124-33	47
237	Acupuncture and endorphins. 2004 , 361, 258-61	543
236	Transcutaneous electrical nerve stimulation for the treatment of chronic low back pain: a systematic review. 2005 , 30, 2657-66	61
235	Brain stem mechanisms underlying acupuncture modality-related modulation of cardiovascular responses in rats. 2005 , 99, 851-60	57
234	Afferent mechanisms underlying stimulation modality-related modulation of acupuncture-related cardiovascular responses. 2005 , 98, 872-80	113
233	High-frequency, but not low-frequency, transcutaneous electrical nerve stimulation reduces aspartate and glutamate release in the spinal cord dorsal horn. 2005 , 95, 1794-801	83
232	Lymphocytic ppENKmRNA, MEK-IR, and Dyn-IR in electroacupuncture. 2005 , 139, 698-9	1
231	Effect of electro-acupuncture on drug-seeking behavior of the heroin self-administrating rat. 2005 , 3, 12-16	
230	Effect of Modulated TENS on Muscle Activation, Oxygenation, and Pain: Searching for a Physiological Mechanism. 2005 , 13, 19-30	5
229	Dynamic change in energy metabolism by electroacupuncture stimulation in rats. 2005 , 33, 767-78	10
228	Gender differences in electrical pain threshold responses to transcutaneous electrical nerve stimulation (TENS). 2005 , 375, 75-80	36
227	Decreased dynorphin A (1-17) in the spinal cord of spastic rats after the compressive injury. 2005 , 67, 189-95	17
226	Effects of synchronous or asynchronous electroacupuncture stimulation with low versus high frequency on spinal opioid release and tail flick nociception. 2005 , 192, 156-62	53
225	Repeated 2 Hz peripheral electrical stimulations suppress morphine-induced CPP and improve spatial memory ability in rats. 2005 , 194, 550-6	34
224	Low and high frequency acupuncture stimulation inhibits mental stress-induced sweating in humans via different mechanisms. 2005 , 118, 93-101	14
223	Effects of electroacupuncture with different frequencies on spinal ionotropic glutamate receptor expression in complete Freund's adjuvant-injected rat. 2005 , 107, 67-76	32

222	Transcutaneous electrical nerve stimulation (TENS) for chronic low-back pain. 2005 , CD003008		52
221	Ottawa panel evidence-based clinical practice guidelines for post-stroke rehabilitation. 2006 , 13, 1-269		66
220	Auricular electro-acupuncture as an additional perioperative analgesic method during oocyte aspiration in IVF treatment. 2006 , 21, 2114-20		78
219	Disruption of glial function enhances electroacupuncture analgesia in arthritic rats. 2006 , 198, 294-302		33
218	Physical agents used in the management of chronic pain by physical therapists. 2006 , 17, 315-45		51
217	Increased release of serotonin in the spinal cord during low, but not high, frequency transcutaneous electric nerve stimulation in rats with joint inflammation. 2006 , 87, 1137-40		81
216	Effects of intensity of electroacupuncture upon experimental pain in healthy human volunteers: a randomized, double-blind, placebo-controlled study. <i>Pain</i> , 2006 , 122, 81-9	8	59
215	Transcutaneous Electrical Nerve Stimulation (TENS). 2006 ,		
214	New Gadgets in Pain Management. 2006 , 21, 1-7		1
213	The role of the craniospinal nerves in mediating the antinociceptive effect of transcranial electrostimulation in the rat. 2006 , 102, 1775-80		7
212	Transcutaneous Electrical Nerve Stimulation for the Management of Neuropathic Pain: The Effects of Frequency and Electrode Position on Prevention of Allodynia in a Rat Model of Complex Regional Pain Syndrome Type II. 2006 , 86, 698-709		62
211	The effects of unilateral transcutaneous electrical nerve stimulation of the median nerve on bilateral somatosensory thresholds. 2006 , 26, 314-8		35
210	The combined effect of relaxation response and acupuncture on quality of life in patients with HIV: a pilot study. 2007 , 13, 807-15		22
209	Igniting the spark?. <i>Pain</i> , 2007 , 130, 1-3	8	1
208	Alternating frequencies of transcutaneous electric nerve stimulation: does it produce greater analgesic effects on mechanical and thermal pain thresholds?. 2007 , 88, 1344-9		46
207	c-Fos expression in the periaqueductal gray is induced by electroacupuncture in the rat, with possible reference to GABAergic neurons. 2007 , 84, 1-9		15
206	Suicidal and self harming behaviours may be distinct. 2007 , 334, 327		
205	Immediate and short-term pain relief by acute sciatic nerve press: a randomized controlled trial. 2007 , 7, 4		9

204	A tribute to Professor Ji-Sheng Han. 2008 , 33, 1911-4	0
203	The effect of electroacupuncture on opioid-like medication consumption by chronic pain patients: a pilot randomized controlled clinical trial. 2008 , 12, 671-6	41
202	Peripheral electrical stimulation-induced suppression of morphine-induced CCP in rats: a role for dopamine in the nucleus accumbens. 2008 , 1212, 63-70	11
201	Transcutaneous electrical nerve stimulation (TENS) versus placebo for chronic low-back pain. 2008 , CD003008	125
200	Transcutaneous electrical nerve stimulation (TENS) for chronic pain. 2008 , CD003222	116
199	Loosening the limbic grip on pain and disability. 2008 , 12, 299-304	
198	Neural mechanism underlying acupuncture analgesia. 2008 , 85, 355-75	666
197	A possible mechanism underlying the effectiveness of acupuncture in the treatment of drug addiction. 2008 , 5, 257-66	50
196	Acupuncture analgesia: I. The scientific basis. 2008 , 106, 602-10	188
195	Acupuncture as a Therapeutic Approach to Postthoracotomy Pain. 2009 , 21, 187-190	
194	Effect of Acu-TENS on post-exercise expiratory lung volume in subjects with asthma-A randomized controlled trial. 2009 , 167, 348-53	18
193	A meta-analysis of acupuncture combined with opioid receptor agonists for treatment of opiate-withdrawal symptoms. 2009 , 29, 449-54	21
192	Acupuncture: is it effective for treatment of insulin resistance?. 2010 , 12, 555-69	70
191	Transcutaneous electrical nerve stimulation at both high and low frequencies activates ventrolateral periaqueductal grey to decrease mechanical hyperalgesia in arthritic rats. 2009 , 163, 1233-41	96
190	Electroacupuncture suppresses capsaicin-induced secondary hyperalgesia through an endogenous spinal opioid mechanism. <i>Pain</i> , 2009 , 145, 332-340	8 47
189	Transcutaneous Electrical Nerve Stimulation (TENS). 2009 , 335-344	1
188	Review: acupuncture analgesia in clinical trials. 2009 , 37, 1-18	53
187	Efficacy of microcurrent therapy in the treatment of chronic nonspecific back pain: a pilot study. 2009 , 25, 495-9	15

186	Acupuncture for lower back pain: a review. 2010 , 26, 60-9		21
185	Postoperative and preincisional electrical nerve stimulation TENS reduce postoperative opioid requirement after major spinal surgery. 2010 , 22, 1-5		27
184	[Analgesic efficacy of TENS therapy in patients with gonarthrosis. A prospective, randomised, placebo-controlled, double-blind study]. 2010 , 24, 494-500		6
183	Midregional Proenkephalin A and N-terminal Protachykinin A are decreased in the cerebrospinal fluid of patients with dementia disorders and acute neuroinflammation. 2010 , 221, 62-7		13
182	Cholecystokinin receptors mediate tolerance to the analgesic effect of TENS in arthritic rats. <i>Pain</i> , 2010 , 148, 84-93	8	26
181	Effect of 4 weeks of Acu-TENS on functional capacity and beta-endorphin level in subjects with chronic obstructive pulmonary disease: a randomized controlled trial. 2010 , 173, 29-36		36
180	Programaci3n y aplicaci3n de la estimulaci3n nerviosa el3ctrica transcut3nea (TENS): gu3a de pr3ctica cl3nica basada en la evidencia. 2010 , 32, 271-278		
179	The integrity of the anterior pretectal nucleus and dorsolateral funiculus is necessary for electroacupuncture-induced analgesia in the rat tail-flick test. 2010 , 14, 249-54		14
178	Acupuncture analgesia for temporal summation of experimental pain: a randomised controlled study. 2010 , 14, 725-31		25
177	Gentle mechanical skin stimulation inhibits the somatocardiac sympathetic C-reflex elicited by excitation of unmyelinated C-afferent fibers. 2010 , 14, 806-13		23
176	Acupuncture and relaxation response for substance use disorder recovery. 2010 , 15, 390-401		19
175	Key concepts with electrophysical agents. 2010 , 15, 351-359		17
174	Acupuncture-Induced Activation of Endogenous Opioid System. 2010 , 104-119		14
173	Effect of transcutaneous electrical nerve stimulation on symptomatic diabetic peripheral neuropathy: a meta-analysis of randomized controlled trials. 2010 , 89, 10-5		46
172	¿Qu3 respuesta fisiol3gica desencadena la aplicaci3n de la t3cnica de estimulaci3n nerviosa el3ctrica transcut3nea?. 2010 , 17, 333-342		2
171	Terapias n3o farmacol3gicas no al3vio da dor neurop3tica diab3tica: uma revis3o bibliogr3fica. 2011 , 24, 284-288		5
170	Electroacupuncture stimulation using different frequencies (10 and 100 Hz) changes the energy metabolism in induced hyperglycemic rats. 2011 , 26 Suppl 1, 47-52		6
169	Percutaneous Neuromodulation Therapy. 2011 , 131-138		

168	Estudo da estimulaçã elétrica nervosa transcutânea (TENS) nãvel sensãio para efeito de analgesia em pacientes com osteoartrose de joelho. 2011 , 24, 637-646		3
167	Dose-specific effects of transcutaneous electrical nerve stimulation (TENS) on experimental pain: a systematic review. 2011 , 27, 635-47		61
166	Acupuncture analgesia: areas of consensus and controversy. <i>Pain</i> , 2011 , 152, S41-S48	8	193
165	An investigation of the development of analgesic tolerance to TENS in humans. <i>Pain</i> , 2011 , 152, 335-3428		76
164	Acid-sensing ion channel 3 mediates peripheral anti-hyperalgesia effects of acupuncture in mice inflammatory pain. 2011 , 18, 82		31
163	Acupuncture and the relaxation response for treating gastrointestinal symptoms in HIV patients on highly active antiretroviral therapy. 2011 , 29, 180-7		8
162	Electroacupuncture of 2 hz has a rewarding effect: evidence from a conditioned place preference study in rats. 2011 , 2011, 730514		7
161	Electroacupuncture Zusanli (ST36) on Release of Nitric Oxide in the Gracile Nucleus and Improvement of Sensory Neuropathies in Zucker Diabetic Fatty Rats. 2011 , 2011, 134545		7
160	Randomised, controlled study of preoperative electroacupuncture for postoperative pain control after cardiac surgery. 2011 , 29, 16-20		47
159	A standardized transcutaneous electric acupoint stimulation for relieving tobacco urges in dependent smokers. 2011 , 2011, 195714		14
158	Damage of splenic T lymphocyte proliferation and differentiation and its normalization by electroacupuncture in morphine-dependent mice mode. 2011 , 2011, 424092		6
157	Acupuncture for the treatment of opiate addiction. 2012 , 2012, 739045		27
156	Effects of electroacupuncture of different frequencies on the release profile of endogenous opioid peptides in the central nerve system of goats. 2012 , 2012, 476457		24
155	Neuroendocrine mechanisms of acupuncture in the treatment of hypertension. 2012 , 2012, 878673		48
154	A review of acupoint specificity research in china: status quo and prospects. 2012 , 2012, 543943		41
153	Transcutaneous electrical nerve stimulation improves low back pain during pregnancy. 2012 , 74, 76-83		50
152	Effects of Transcutaneous Electrical Nerve Stimulation in Postoperative Shoulder Patients. <i>Rigakuryoho Kagaku</i> , 2012 , 27, 565-570	0.1	1
151	Pain Management in Liver Transplantation. 2012 , 417-431		

150	Violet laser acupuncture - Part 5: An investigation of different stimulation frequencies on heart rate and variability. 2012 , 5, 290-4	12
149	Simultaneous CBF and BOLD mapping of high frequency acupuncture induced brain activity. 2012 , 530, 12-7	15
148	Involvement of spinal orexin A in the electroacupuncture analgesia in a rat model of post-laparotomy pain. 2012 , 12, 225	26
147	Analysis of Efficacy of Transcutaneous Electrical Nerve Stimulation on Acupoints for Current Perception Threshold : Effects of Stimulation Frequencies and Treatment Duration. 2012 , 10, 311-317	1
146	Acupuncture transcutaneous electrical nerve stimulation reduces discomfort associated with barostat-induced rectal distension: a randomized-controlled study. 2013 , 19, 381-8	19
145	Quantitative assessment of physiological and behavioural parameters in healthy dairy cows evoked by transcutaneous electrical nerve stimulation of the udder. 2012 , 192, 183-8	2
144	Forty-six cases of postoperative pain in the waist and leg of lumbar disc herniation treated by warming needle moxibustion and electroacupuncture. 2013 , 23, 46-48	
143	The meridian system and mechanism of acupuncture--a comparative review. Part 2: mechanism of acupuncture analgesia. 2013 , 52, 14-24	19
142	Electroacupuncture suppresses mechanical allodynia and nuclear factor κ B signaling in streptozotocin-induced diabetic rats. 2013 , 19, 83-90	23
141	Electrotherapy. 2013 , 417-455	
140	Neuromodulation of chronic headaches: position statement from the European Headache Federation. 2013 , 14, 86	141
139	Role of the endogenous opioid system in modulation of urinary bladder activity by spinal nerve stimulation. 2013 , 305, F52-60	20
138	The research of acupuncture effective biomolecules: retrospect and prospect. 2013 , 2013, 608026	11
137	Electroacupuncture reduces cocaine-induced seizures and mortality in mice. 2013 , 2013, 134610	9
136	An adjunct intervention for management of acute exacerbation of chronic obstructive pulmonary disease (AECOPD). 2013 , 19, 178-81	11
135	Differential effects of subcutaneous electrical stimulation (SQS) and transcutaneous electrical nerve stimulation (TENS) in rodent models of chronic neuropathic or inflammatory pain. 2013 , 16, 328-35; discussion 335	14
134	Transcutaneous electrical nerve stimulation for treatment of sarcoma cancer pain. 2013 , 3, 189-99	8
133	Transcutaneous electrical nerve stimulation (TENS) for chronic low-back pain. 2013 ,	3

132	Acupuncture and women's health: an overview of the role of acupuncture and its clinical management in women's reproductive health. 2014 , 6, 313-25	24
131	Clinical efficacy of acupuncture as an adjunct to methadone treatment services for heroin addicts: a randomized controlled trial. 2014 , 42, 569-86	27
130	Using TENS for pain control: the state of the evidence. 2014 , 4, 197-209	186
129	Sympathetic ganglion transcutaneous electrical nerve stimulation after coronary artery bypass graft surgery improves femoral blood flow and exercise tolerance. 2014 , 117, 633-8	6
128	WITHDRAWN: Transcutaneous electrical nerve stimulation (TENS) for chronic pain. 2014 , CD003222	8
127	Electrical Stimulation. 2014 , 342-358	6
126	Acu-TENS lowers blood lactate levels and enhances heart rate recovery after exercise. 2014 , 1, 73-80	
125	Poststimulation inhibition of the micturition reflex induced by tibial nerve stimulation in rats. 2014 , 2, e00205	20
124	Low- and high-frequency transcutaneous electrical acupoint stimulation induces different effects on cerebral opioid receptor availability in rhesus monkeys. 2014 , 92, 555-63	31
123	Evaluating the effectiveness of electro-acupuncture as a treatment for childhood autism using single photon emission computed tomography. 2014 , 20, 19-23	10
122	Transcutaneous electrical nerve stimulation as a novel method of remote preconditioning: in vitro validation in an animal model and first human observations. 2014 , 109, 406	38
121	Effect of electro-acupuncture stimulation of Ximen (PC4) and Neiguan (PC6) on remifentanyl-induced breakthrough pain following thoracic esophagectomy. 2014 , 34, 569-574	8
120	Early transcutaneous electrical nerve stimulation reduces hyperalgesia and decreases activation of spinal glial cells in mice with neuropathic pain. <i>Pain</i> , 2014 , 155, 1888-1901	8 34
119	Peripheral neuromodulation: a review. 2014 , 18, 412	48
118	A single trial of transcutaneous electrical nerve stimulation reduces chronic neuropathic pain following median nerve injury in rats. 2014 , 232, 207-14	10
117	Is acupuncture no more than a placebo? Extensive discussion required about possible bias. 2015 , 10, 1247-1252	19
116	Transcutaneous electrical nerve stimulation (TENS) for chronic neck pain. 2015 ,	3
115	Efficacy and safety of transcutaneous electrical acupoint stimulation to treat muscle spasticity following brain injury: a double-blinded, multicenter, randomized controlled trial. 2015 , 10, e0116976	17

114	High-frequency transcutaneous electrical nerve stimulation alleviates spasticity after spinal contusion by inhibiting activated microglia in rats. 2015 , 29, 370-81	11
113	Physical agent modalities in physical therapy and rehabilitation of small animals. 2015 , 45, 29-44	12
112	Preemptive Analgesic Effects of Transcutaneous Electrical Nerve Stimulation (TENS) on Postoperative Pain: A Randomized, Double-Blind, Placebo-Controlled Trial. 2016 , 18, e35050	5
111	Electroacupuncture Alleviates Headache and Reduces Cerebral Blood Flow Velocity in Aneurysmal Subarachnoid Hemorrhage. 2016 , 28, 100-104	1
110	Electroacupuncture analgesia with different frequencies is mediated via different opioid pathways in acute visceral hyperalgesia rats. 2016 , 160, 64-71	23
109	The combined effects of transcutaneous electrical nerve stimulation (TENS) and stretching on muscle hardness and pressure pain threshold. 2016 , 28, 1124-30	13
108	Akupunktur bei psychiatrischen Erkrankungen. 2016 , 59, 7-13	1
107	Review of Recent Advances in Peripheral Nerve Stimulation (PNS). 2016 , 20, 60	79
106	Transcutaneous electrical acupoint stimulation alleviates adverse cardiac remodeling induced by overload training in rats. 2016 , 120, 1269-76	1
105	Metabonomic study of the effects of different acupuncture directions on therapeutic efficacy. 2016 , 1009-1010, 87-95	7
104	Effects of Noxious Electrical Stimulation and Eccentric Exercise on Pain Sensitivity in Asymptomatic Individuals. 2016 , 8, 415-24	7
103	Effects of transcutaneous electrical acupoint stimulation at different frequencies on perioperative anesthetic dosage, recovery, complications, and prognosis in video-assisted thoracic surgical lobectomy: a randomized, double-blinded, placebo-controlled trial. 2017 , 31, 58-65	25
102	Effect of transcutaneous electrical acupuncture point stimulation at different frequencies in a rat model of neuropathic pain. 2017 , 35, 142-147	8
101	Transcutaneous electrical nerve stimulation reduces exercise-induced perceived pain and improves endurance exercise performance. 2017 , 117, 483-492	21
100	Migraine Prevention Using Different Frequencies of Transcutaneous Occipital Nerve Stimulation: A Randomized Controlled Trial. 2017 , 18, 1006-1015	18
99	Use of electroacupuncture and transcutaneous electrical acupoint stimulation in reproductive medicine: a group consensus. 2017 , 18, 186-193	23
98	Physiologische Mechanismen der analgetischen Akupunkturwirkung – ein Update im klinischen Kontext. 2017 , 60, 9-15	4
97	Electro-analgesia for sheep husbandry practices: a review. 2017 , 57, 801	

96	Transcutaneous Electrical Acupoint Stimulation Improves the Outcomes of In Vitro Fertilization: A Prospective, Randomized and Controlled Study. 2017 , 13, 306-312		12
95	Effect of Ipsilateral and Bilateral Transcutaneous Electrical Nerve Stimulation (TENS) on Postoperative Pain following Hip Fracture Surgery. <i>Rigakuryoho Kagaku</i> , 2017 , 32, 343-348	0.1	1
94	Acupuncture and fertilisation research: current and future directions. 2018 , 36, 117-122		9
93	Transcutaneous Electrical Nerve Stimulation (TENS) and Laryngeal Manual Therapy (LMT): Immediate Effects in Women With Dysphonia. 2018 , 32, 385.e17-385.e25		10
92	Efficacy of Acupuncture for Treating Opioid Use Disorder in Adults: A Systematic Review and Meta-Analysis. 2018 , 2018, 3724708		12
91	Role of Acupuncture in the Management of Severe Acquired Brain Injuries (sABIs). 2018 , 2018, 8107508		2
90	Transcutaneous electrical nerve stimulation and cervical joint manipulation on pressure pain threshold. 2018 , 8, 263-269		1
89	Pain Management in Liver Transplantation. 2018 , 507-523		
88	Efficacy of Electroacupuncture Combined with Methadone Maintenance Therapy: A Case-Control Study. 2019 , 2019, 7032581		2
87	Inhibition of chemokine CX3CL1 in spinal cord mediates the electroacupuncture-induced suppression of inflammatory pain. 2019 , 12, 2663-2672		10
86	New method for postoperative pain relief using a combination of noxious and non-noxious stimuli after impacted wisdom tooth extraction. 2019 , 61, 364-369		3
85	Does Frequency Modulation of Transcutaneous Electrical Nerve Stimulation Affect Habituation and Mechanical Hypoalgesia? A Randomized, Double-Blind, Sham-Controlled Crossover Trial. 2019 , 99, 924-932		3
84	Adjuvant laser meridian massage in men with opioid use disorder on methadone maintenance treatment: Protocol for a case-controlled study. 2019 , 98, e17319		2
83	Transcutaneous electrical nerve stimulation (TENS) for chronic neck pain. 2019 , 12, CD011927		8
82	Effect of transcutaneous electrical acupoint stimulation on postoperative analgesia after ureteroscopic lithotripsy: a randomized controlled trial. 2019 , 47, 279-287		10
81	The effect of TEAS on the quality of early recovery in patients undergoing gynecological laparoscopic surgery: a prospective, randomized, placebo-controlled trial. 2020 , 21, 43		7
80	Immediate Effect of Masticatory Muscle Activity with Transcutaneous Electrical Nerve Stimulation in Muscle Pain of Temporomandibular Disorders Patients. 2020 , 9,		3
79	Role of Parameter Setting in Electroacupuncture: Current Scenario and Future Prospects. 2020 , 1		3

78	Effects of Acupressure and Acupuncture-Like Transcutaneous Electrical Nerve Stimulation on Sleep Quality Among Pregnant Women. 2020 , 13, 180-186	0
77	Mechanism of Peripheral Nerve Stimulation in Chronic Pain. 2020 , 21, S6-S12	11
76	Analgesic Tolerance Development during Repetitive Electric Stimulations Is Associated with Changes in the Expression of Activated Microglia in Rats with Osteoarthritis. 2020 , 8,	
75	Efficacy of Electroacupuncture Combined with Auricular Point Pressing in Improving Mental Well-Being among Individuals with Heroin Use Disorder: A Randomized Controlled Crossover Trial and Pilot Study. 2020 , 2020, 3748056	3
74	Meridian system and mechanism of acupuncture action: A scientific evaluation?????????????????. 2020 , 30, 130-137	4
73	Transcutaneous Electrical Nerve Stimulation in Relieving Neuropathic Pain: Basic Mechanisms and Clinical Applications. 2020 , 24, 14	21
72	Effect of electroacupuncture on relieving central post-stroke pain by inhibiting autophagy in the hippocampus. 2020 , 1733, 146680	8
71	Transcutaneous Electrical Acupoint Stimulation Reduces Postoperative Analgesic Requirement in Patients Undergoing Inguinal Hernia Repair: A Randomized, Placebo-Controlled Study. 2021 , 10,	4
70	Research Progress of Acupuncture Stimulation Amount. 2021 , 10, 534-539	
69	Multicenter, randomized, double-blind, controlled trial of transcutaneous electrical nerve stimulation for pancreatic cancer related pain. 2021 , 100, e23748	2
68	Transcutaneous Auricular Neurostimulation (tAN): A Novel Adjuvant Treatment in Neonatal Opioid Withdrawal Syndrome. 2021 , 15, 648556	4
67	Inhibitory effects of biofeedback electrostimulation therapy on pain and cortisol levels in chronic neuropathic pain: A randomized-controlled trial. 2021 , 67, 62-68	0
66	Smartphone-controlled patch electro-acupuncture versus conventional pain relief during colonoscopy: a randomized controlled trial. 2021 , 91, E375-E381	1
65	Managing motility disorders of the gastrointestinal segment and obesity through electrical stimulation. 1	1
64	Electro-Acupuncture Combined Methadone for Withdrawal Symptoms of Opioid Addiction: A Protocol for Systematic Review and Meta-Analysis. 2021 , 46, 419-432	
63	TENS â Transkutane Elektrische Nervenstimulation in der onkologischen Schmerztherapie. 2006 , 185-193	0
62	Transcutaneous Electrical Nerve Stimulation for Cancer Pain. 2019 , 261-265	1
61	Scientific Basis of Acupuncture. 2003 , 7-86	19

60	Scientific Basis of Acupuncture. 1998 , 6-72	5
59	Acupuncture Analgesia – Basic Research. 2001 , 1-28	17
58	Future Directions for Research on the Physiology of Acupuncture. 2001 , 211-219	2
57	Opioid and Antioioid Peptides: A Model of Yin-Yang Balance in Acupuncture Mechanisms of Pain Modulation. 2001 , 51-68	9
56	Acupuncture and Stimulation Produced Analgesia. 1993 , 105-125	12
55	Wissenschaftliche Grundlagen der Akupunktur. 1993 , 3-49	2
54	Anesthesia for Obstetrics. 2010 , 2203-2240	16
53	Percutaneous electrical nerve stimulation (PENS): a complementary therapy for the management of pain secondary to bony metastasis. 1998 , 14, 320-3	63
52	EEG Changes due to Low-Frequency Electrical Stimulation to the BL62 and KI6 of Elderly Women. 2013 , 30, 135-142	3
51	Estimula elrica nervosa transcutnea nas modalidades convencional e acupuntura na dor induzida pelo frio. 2009 , 16, 148-154	4
50	Effects of combining electroacupuncture with general anesthesia induced by sevoflurane in patients undergoing supratentorial craniotomy and improvements in their clinical recovery profile & blood enkephalin. 2012 , 37, 125-38	16
49	Electroacupuncture attenuates neuropathic pain after brachial plexus injury. <i>Neural Regeneration Research</i> , 2014 , 9, 1365-70	4.5 9
48	Neuromodulation in treatment of hypertension by acupuncture: A neurophysiological prospective. 2013 , 05, 65-72	1
47	Stimulation Therapies and the Relevance of Fractal Dynamics to the Treatment of Diseases. 2014 , 03, 73-94	4
46	Enkefalines en pijn. 2004 , 833-838	
45	Nichtmedikamente schmerztherapeutische Methoden in der Palliativmedizin. 2004 , 155-181	
44	Postoperative Analgesia: Systemic and Local Techniques. 2009 , 575-592	1
43	Acupuncture Analgesia in Clinical Practice. 2010 , 162-193	1

- 42 Chronic low back pain: potential for treatment by electrostimulation of auricular acupuncture points. *10*, 37-38
- 41 Physikalische Therapie und Rehabilitation bei Schmerzsyndromen am Bewegungsapparat. **2013**, 347-374
- 40 The Effects of Transcutaneous Electrical Nerve Stimulation (TENS) on the Neuropathic Pain in Peripheral Nerve Injury. **2013**, *8*, 79-89 1
- 39 Transkutane elektrische Nervenstimulation (TENS). **1994**, 500-515
- 38 Central Mechanisms of Pain and Analgesia. **1999**, 469-472
- 37 2 Wissenschaftliche Grundlagen der Akupunktur. **1999**, 5-55 2
- 36 Basic Concepts in Electricity and Electrotherapy. **2015**, 61-74
- 35 Peripheral Nerve Stimulation for Chronic Abdominal Pain. **2015**, 201-209
- 34 An Important Role of the μ Opioid Receptor in Electroacupuncture-Induced Protection Against Ischemic Brain Injury. **2015**, 409-435 1
- 33 Wissenschaftliche Aspekte der innovativen Lasermedizin. **2015**, 13-81 1
- 32 Analgesia por medios no farmacológicos. **2015**, 149-164
- 31 The Short-Term Effects of Difference Frequency of Transcutaneous Electrical Nerve Stimulation on Pain Relief using c-fos Expression in Spinal Cord with Knee Osteoarthritis Rats. **2016**, *11*, 49-54 1
- 30 Electrical Nerve Stimulation for Chronic Median Nerve Pain. **2017**, 289-295
- 29 Analgesic Effects of TENS on Neuropathic Pain due to Spinal Infarction: A Case Study. *Rigakuryoho Kagaku*, **2017**, *32*, 335-341 0.1
- 28 Comparison of Epidural Butorphanol with Neostigmine and Epidural Sufentanyl with Neostigmine for First Stage of Labor Analgesia: A Randomized Controlled Trial. *Anesthesia: Essays and Researches*, **2017**, *11*, 365-371 0.9 1
- 27 The Veterinary Technician and Rehabilitation Pain Management. 26-48
- 26 Integrative Medicine. **2020**, 473-489
- 25 Neuromodulation and Other Non-pharmacological Approaches in Tension-Type Headache. *Headache*, **2020**, 157-172 0.2

24	Changes of sensory and pain threshold after transcutaneous electrical nerve stimulation âTENS. <i>BJ</i> 2019 , 20, 1-13	0	
23	The Efficacy of Combined Electroacupuncture and Auricular Pressure on Sleep Quality in Patients Receiving Methadone Maintenance Treatment. <i>American Journal on Addictions</i> , 2021 , 30, 156-163	3.7	0
22	Whether the Immediate Pain-relief Effect of Transcutaneous Electrical Nerve Stimulation (TENS) Performed at the Motor-level Varies with the Combination of Frequency and Pulse Width. <i>Rigakuryoho Kagaku</i> , 2020 , 35, 515-519	0.1	
21	Optimal electroacupuncture frequency for maintaining astrocyte structural integrity in cerebral ischemia. <i>Neural Regeneration Research</i> , 2013 , 8, 1122-31	4.5	4
20	Does transcutaneous electric acupoint stimulation improve the quality of recovery after thyroidectomy? A prospective randomized controlled trial. <i>International Journal of Clinical and Experimental Medicine</i> , 2015 , 8, 13622-7		4
19	Application of manual therapy in muscle tensional dysphonia. <i>PONS - Medicinski Casopis</i> , 2021 , 18, 20-28		0
18	Study for the mechanisms of acupuncture analgesia. 1995 , 1, 63-67		1
17	Influence of Transcutaneous Electrical Nerve Stimulation on the Pain of a Patient with Vertebral Compression Fracture: ABAB Design. <i>Rigakuryoho Kagaku</i> , 2021 , 36, 929-933	0.1	
16	Postrehabilitation Considerations for Individuals With Temporomandibular Disorders. <i>Strength and Conditioning Journal</i> , 2021 , 43, 14-28		2
15	Schmerz und Schmerzhemmung. 2022 , 3-28		
14	Transkutane elektrische Nervenstimulation (TENS). 2022 , 85-146		
13	Die passiven Bausteine der Regulativen Schmerzbehandlung âSchmerzlinderung, myofasziale Gewebemstase und -funktionen. 2022 , 225-288		
12	Transcutaneous electrical nerve stimulation effects on pain-intensity and endogenous opioids levels among chronic low-back pain patients: A randomised controlled trial.. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2022 ,	1.4	
11	Transcutaneous Electrical Acupoint Stimulation Improved Preoperative Blood Pressure in Gynecological Malignant Tumor Patients With Hypertension: A Randomized, Controlled Trial. <i>Frontiers in Oncology</i> , 12,	5.3	1
10	Caffeine Attenuates Electroacupuncture Effect on Pressure Pain Threshold and Tolerance in Healthy Individuals: A Randomized Controlled Trial. <i>Frontiers in Neurology</i> , 13,	4.1	
9	Alternative Therapies for Chemotherapy-Induced Peripheral Neuropathy. 2022 , 401-446		0
8	Combined-Acupoint Electroacupuncture Induces Better Analgesia via Activating the Endocannabinoid System in the Spinal Cord. 2022 , 2022, 1-17		0
7	Effect of Transcutaneous Electrical Acupoint Stimulation Combined with Transversus Abdominis Plane Block on Postoperative Recovery in Elderly Patients Undergoing Laparoscopic Gastric Cancer Surgery: A Randomized Controlled Trial.		1

- 6 Using TENS for Pain Control: Update on the State of the Evidence. **2022**, 58, 1332
- 5 Research Hotspots and Trends on Acupuncture for Neuropathic Pain: A Bibliometric Analysis from 2002 to 2021. Volume 15, 3381-3397
- 4 A randomized, sham-controlled, quintuple-blinded trial to evaluate the NET device as an alternative to medication for promoting opioid abstinence. **2022**, 30, 101018
- 3 The dose-effect relationship of electroacupuncture analgesia and its stimulus parameters: Progress in the last 3 decades ??????????????????????:??????????. **2022**,
- 2 High intensity-transcutaneous electrical nerve stimulation does not inhibit temporal summation of the nociceptive flexion reflex. **2023**, 806, 137228
- 1 Transcutaneous electrical nerve stimulation effects on patients with subacute vertebral fracture: a case report using an ABAB study design. **2023**, 35, 151-155