

CITATION REPORT

List of articles citing

Overview of therapeutic ultrasound applications and safety considerations

DOI: 10.7863/jum.2012.31.4.623

Journal of Ultrasound in Medicine, 2012, 31, 623-34.

Source: <https://exaly.com/paper-pdf/52979197/citation-report.pdf>

Version: 2024-04-29

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
406	Ultrasound-targeted microbubble destruction for chemotherapeutic drug delivery to solid tumors. 2013 , 1, 10		73
405	Sonothrombolysis in ischemic stroke. 2013 , 15, 91-103		10
404	Surface acoustic wave microfluidics. 2013 , 13, 3626-49		546
403	Histological and biochemical analysis of mechanical and thermal bioeffects in boiling histotripsy lesions induced by high intensity focused ultrasound. 2013 , 39, 424-38		70
402	Small power: Autonomous nano- and micromotors propelled by self-generated gradients. 2013 , 8, 531-554		487
401	Finite element static displacement optimization of 20-100 kHz flexural transducers for fully portable ultrasound applicator. 2013 , 53, 511-7		12
400	New technologies in clinical ultrasound. 2013 , 48, 214-23		27
399	Effect of ultrasound on the permeability of vascular wall to nano-emulsion droplets. 2013 , 39, 1804-11		23
398	Eco-friendly sonoluminescent determination of free glycerol in biodiesel samples. 2013 , 114, 38-42		13
397	Reversal of multidrug resistance by stimuli-responsive drug delivery systems for therapy of tumor. 2013 , 65, 1699-715		291
396	Ultrasound-targeted microbubble destruction-mediated gene delivery into canine livers. 2013 , 21, 1687-94		36
395	Ultrasound and microbubble-mediated gene delivery in cancer: progress and perspectives. 2013 , 48, 755-69		32
394	Biomedical Applications of Ultrasound. 2014 , 401-436		1
393	The management of ultrasound equipment at Sheffield Teaching Hospitals NHS Foundation Trust. 2014 , 22, 61-5		0
392	Volumetric contrast-enhanced ultrasound imaging of renal perfusion. <i>Journal of Ultrasound in Medicine</i> , 2014 , 33, 1427-37	2.9	22
391	Cytomechanical perturbations during low-intensity ultrasound pulsing. 2014 , 40, 1587-98		24
390	Cardiovascular applications of therapeutic ultrasound. 2014 , 39, 287-94		15

389	State-of-the-art materials for ultrasound-triggered drug delivery. 2014 , 72, 3-14	298
388	Involvement of mitochondrial and reactive oxygen species in the sonodynamic toxicity of chlorin e6 in human leukemia K562 cells. 2014 , 40, 990-1000	28
387	The potential utility of high-intensity ultrasound to treat osteoarthritis. 2014 , 22, 1784-99	12
386	Echogenic nanoparticles for ultrasound technologies: Evolution from diagnostic imaging modality to multimodal theranostic agent. 2014 , 9, 525-540	50
385	Focused ultrasound to displace renal calculi: threshold for tissue injury. 2014 , 2, 5	14
384	Estimation of thermal distribution in tissue-mimicking phantom made of carrageenan gel. 2015 , 54, 07HF23	2
383	Echogenic Glycol Chitosan Nanoparticles for Ultrasound-Triggered Cancer Theranostics. 2015 , 5, 1402-18	56
382	DNA packing by low-intensity ultrasound. 2015 ,	0
381	A high-throughput acoustic cell sorter. 2015 , 15, 3870-3879	104
380	Thermal Self-Action of Acoustic Beams Containing Several Shock Fronts. 2015 , 40, 539-546	
379	Ultrasound stimulation inhibits recurrent seizures and improves behavioral outcome in an experimental model of mesial temporal lobe epilepsy. 2015 , 49, 26-32	46
378	Non-invasive measurement of the temperature rise in tissue surrounding a kidney stone subjected to ultrasonic propulsion. 2015 , 2015, 2576-9	1
377	Quantitative testing of physiotherapy ultrasound beam patterns within a clinical environment using a thermochromic tile. 2015 , 58, 6-10	3
376	Applicability and safety of dual-frequency ultrasonic treatment for the transdermal delivery of drugs. 2015 , 202, 93-100	40
375	Effect of ultrasounds on neurons and microglia: Cell viability and automatic analysis of cell morphology. 2015 , 22, 44-53	1
374	Multimodal Imaging and Theranostic Application of Disease-Directed Agents. 2015 , 75-103	1
373	Novel delivery approaches for cancer therapeutics. 2015 , 219, 248-268	99
372	Biophysical Approaches for Oral Wound Healing: Emphasis on Photobiomodulation. 2015 , 4, 724-737	47

371	Sustained Acoustic Medicine: A Novel Long Duration Approach to Biomodulation Utilizing Low Intensity Therapeutic Ultrasound. 2015 , 9467,	8
370	Skin cancer and new treatment perspectives: a review. 2015 , 357, 8-42	184
369	Low-frequency, low-magnitude vibrations (LFLM) enhances chondrogenic differentiation potential of human adipose derived mesenchymal stromal stem cells (hASCs). 2016 , 4, e1637	21
368	Experimental Verification of Modeled Thermal Distribution Produced by a Piston Source in Physiotherapy Ultrasound. 2016 , 2016, 5484735	3
367	Clinical Application of High-intensity Focused Ultrasound in Cancer Therapy. 2016 , 7, 225-31	83
366	Effects and Mechanisms of Low-Intensity Pulsed Ultrasound for Chronic Prostatitis and Chronic Pelvic Pain Syndrome. 2016 , 17,	21
365	A Review of Thermo- and Ultrasound-Responsive Polymeric Systems for Delivery of Chemotherapeutic Agents. 2016 , 8,	54
364	Low intensity ultrasound therapy induces angiogenesis and persistent inflammation in the chronic phase of the healing process of third degree burn wounds experimentally induced in diabetic and non-diabetic rats. 2016 , 31, 463-71	10
363	Ultrasonic propulsion of kidney stones. 2016 , 26, 264-70	17
362	In Situ Transfection by Controlled Release of Lipoplexes Using Acoustic Droplet Vaporization. 2016 , 5, 1764-74	11
361	Keepsake Ultrasound: Taking Another Look. 2016 , 35, 119-132	1
360	Feasibility of an Ultrasonic Bone-Marrow Harvester. 2016 ,	
359	Direct RBF neural network thermal dose controller for ultrasound hyperthermia tumors treatment. 2016 ,	1
358	Non-invasive Renal Denervation: Update on External Ultrasound Approaches. 2016 , 18, 48	6
357	Investigations on the heating effect of PE-LD induced by high-intensity focused ultrasound. 2016 , 70, 204-10	7
356	Acoustotaxis -in vitro stimulation in a wound healing assay employing surface acoustic waves. 2016 , 4, 1092-9	24
355	Mechanical Force-Triggered Drug Delivery. 2016 , 116, 12536-12563	179
354	Reactive oxygen species generating systems meeting challenges of photodynamic cancer therapy. 2016 , 45, 6597-6626	1052

353	Ultrasound-assisted cutting of cheddar, mozzarella and Swiss cheeses [Effects on quality attributes during storage. 2016 , 37, 1-9	20
352	MRI methods for the evaluation of high intensity focused ultrasound tumor treatment: Current status and future needs. 2016 , 75, 302-17	35
351	Terasonic Excitations in 2D Gold Nanoparticle Arrays in a Water Matrix as Revealed by Atomistic Simulations. 2016 , 120, 19896-19903	11
350	Ultrasound-assisted liquefaction of dromedary camel semen. 2016 , 141, 48-55	12
349	Uncertainty estimation for temperature measurement with diagnostic ultrasound. 2016 , 4, 28	13
348	Therapeutic Modulation of Calcium Dynamics using Ultrasound and Other Energy-based Techniques. 2016 , 9, 177-191	17
347	Bimorph Piezoelectric Micromachined Ultrasonic Transducers. 2016 , 25, 326-336	39
346	Equivalent Circuit Models for Large Arrays of Curved and Flat Piezoelectric Micromachined Ultrasonic Transducers. 2016 , 63, 432-47	24
345	In-lab X-ray fluorescence and diffraction techniques for pathological calcifications. 2016 , 19, 1404-1415	13
344	Dual-electrode bimorph pmut arrays for handheld therapeutic medical devices. 2016 ,	3
343	Effectiveness of ultrasound treatment applied with exercise therapy on patients with ankylosing spondylitis: a double-blind, randomized, placebo-controlled trial. 2016 , 36, 653-61	13
342	Dermal Drug Delivery for Cutaneous Malignancies: Literature at a Glance. 2016 , 11, 1-33	5
341	Microbubbles and Ultrasound: Therapeutic Applications in Diabetic Nephropathy. 2016 , 880, 309-30	7
340	MRI-guided focused ultrasound surgery in musculoskeletal diseases: the hot topics. 2016 , 89, 20150358	19
339	Impact of high-frequency ultrasound on nanocomposite microcapsules: in silico and in situ visualization. 2016 , 18, 2389-97	25
338	The Use of Ultrasound in Palliative Care and Hospice. 2017 , 34, 385-391	7
337	John Stanley Coulter, MD, and the Emergence of Physical Medicine and Rehabilitation in the Early 20th Century. 2017 , 9, 193-199	2
336	Annular phased array transducer for preclinical testing of anti-cancer drug efficacy on small animals. 2017 , 76, 92-98	6

335	Why we should care about soft tissue interfaces when applying ultrasonic diathermy: an experimental and computer simulation study. 2017 , 5, 3	3
334	Double-Strand Breaks in Genome-Sized DNA Caused by Ultrasound. 2017 , 18, 959-964	13
333	Ultrasound-Mediated Mesenchymal Stem Cells Transfection as a Targeted Cancer Therapy Platform. 2017 , 7, 42046	15
332	Predicting Tissue Susceptibility to Mechanical Cavitation Damage in Therapeutic Ultrasound. 2017 , 43, 1421-1440	28
331	Ultrasound stimulation of insulin release from pancreatic beta cells. 2017 , 62-65	1
330	Partial Gland Treatment of Prostate Cancer Using High-Intensity Focused Ultrasound in the Primary and Salvage Settings: A Systematic Review. 2017 , 198, 1000-1009	25
329	The neuroprotective effect of focused ultrasound: New perspectives on an old tool. 2017 , 131, 199-206	7
328	Effect on High-Intensity Fields of a Tough Hydrophone With Hydrothermal PZT Thick-Film Vibrator and Titanium Front Layer. 2017 , 64, 1120-1126	6
327	Fast Numerical Simulation of Focused Ultrasound Treatments During Respiratory Motion With Discontinuous Motion Boundaries. 2017 , 64, 1455-1468	7
326	Ultrasound-dependent cytoplasmic internalization of a peptide-sonosensitizer conjugate. 2017 , 25, 4212-4217	5
325	The Role of Low-Intensity Pulsed Ultrasound on Cartilage Healing in Knee Osteoarthritis: A Review. 2017 , 9, 1268-1277	19
324	Anesthesia considerations for patients with an implanted deep brain stimulator undergoing surgery: a review and update. 2017 , 64, 308-319	11
323	Hydroxyl radical generation by dissociation of water molecules during 1.65 MHz frequency ultrasound irradiation under aerobic conditions. 2017 , 483, 178-182	22
322	Regeneration of Skeletal Muscle After Eccentric Injury. 2017 , 26, 171-179	18
321	Defining optimal permeant characteristics for ultrasound-mediated gastrointestinal delivery. 2017 , 268, 113-119	10
320	Modulating effect of low intensity pulsed ultrasound on the phenotype of inflammatory cells. 2017 , 96, 1147-1153	17
319	Sustained elevation of activity of developing neurons grown on polyimide microelectrode arrays (MEA) in response to ultrasound exposure. 2017 , 23, 3671-3683	7
318	Engineered biomaterial and biophysical stimulation as combinatorial strategies to address prosthetic infection by pathogenic bacteria. 2017 , 105, 2174-2190	9

317	Lead-Free NKN-Based Materials for Ultrasonic Therapeutic Transducers: Resistance to Temperature and Humidity. 2017 , 6, P733-P740	
316	Anti-inflammatory activity of niosomes entrapped with Plai oil (Roxb.) by therapeutic ultrasound in a rat model. 2017 , 12, 2469-2476	21
315	A focused ultrasound treatment system for moving targets (part I): generic system design and in-silico first-stage evaluation. 2017 , 5, 20	6
314	Laser generated ultrasound sources using polymer nanocomposites for high frequency metrology. 2017 ,	
313	Enhanced total neurite outgrowth and secondary branching in dorsal root ganglion neurons elicited by low intensity pulsed ultrasound. 2018 , 15, 046013	12
312	Resveratrol delivery by ultrasound-mediated nanobubbles targeting nucleus pulposus cells. 2018 , 13, 1433-1446	18
311	Non-surgical and non-pharmacological interventions for congenital muscular torticollis in the 0-5 year age group. 2018 ,	2
310	Inactivation of filter bound aerosolized MS2 bacteriophages using a non-conductive ultrasound transducer. 2018 , 255, 76-81	5
309	Nanoparticle-assisted ultrasound: A special focus on sonodynamic therapy against cancer. 2018 , 340, 155-172	156
308	Point-of-Care Ultrasound in the Intensive Care Unit. 2018 , 39, 79-97	23
307	Use of ultrasound with magnetic field for enhanced in vitro drug delivery in colon cancer treatment. 2018 , 33, 625-637	6
306	In vivo study of enhanced chemotherapy combined with ultrasound image-guided focused ultrasound (USgFUS) treatment for pancreatic cancer in a xenograft mouse model. 2018 , 28, 3710-3718	5
305	Comparison of effects of LLLT and LIPUS on fracture healing in animal models and patients: A systematic review. 2018 , 132, 3-22	19
304	Apoptotic and genotoxic effects of low-intensity ultrasound on healthy and leukemic human peripheral mononuclear blood cells. 2018 , 45, 31-39	4
303	Physical Therapy Modalities for Older Persons. 2018 , 75-92	1
302	The role of ultrasound technology in plastic surgery. 2018 , 71, 416-424	12
301	Inspection and Testing of Diagnostic Ultrasound Devices. 2018 , 115-140	
300	Comparison of the in vitro effects of low-level laser therapy and low-intensity pulsed ultrasound therapy on bony cells and stem cells. 2018 , 133, 36-48	23

299	Is there any role for physical therapy in chronic GvHD?. 2018 , 53, 22-28	7
298	Ultrasound-Targeted Delivery Technology: A Novel Strategy for Tumor- Targeted Therapy. 2019 , 20, 220-231	12
297	Technical Review and Perspectives of Transcranial Focused Ultrasound Brain Stimulation for Neurorehabilitation. 2018 , 11,	7
296	Thrombolysis Enhancing by Magnetic Manipulation of Fe ₃ O ₄ Nanoparticles. 2018 , 11,	9
295	Fully tuned RBF neural network controller for ultrasound hyperthermia cancer tumour therapy. 2018 , 29, 20-36	5
294	High-intensity Focused Ultrasound of the Prostate. 2018 , 1567-1579	
293	Recent advances in ultrasound-based transdermal drug delivery. 2018 , 13, 7749-7763	52
292	The Role of Radiologic Modalities in Diagnosing Nonalcoholic Steatohepatitis (NASH) and Fibrosis. 2018 , 17, 324-335	8
291	Energy shielding by cavitation bubble clouds in burst wave lithotripsy. 2018 , 144, 2952	11
290	Efficacy and safety of noninvasive focused ultrasound for treatment of subcutaneous adiposity in healthy women. 2018 , 20, 341-350	3
289	Application of Ultrasound in Food Science and Technology: A Perspective. 2018 , 7,	136
288	Short-Term Observation of Ultrasonic Cyclocoagulation in Chinese Patients with End-Stage Refractory Glaucoma: A Retrospective Study. 2018 , 2018, 4950318	6
287	Effect of a Controlled Release of Epinephrine Hydrochloride from PLGA Microchamber Array: In Vivo Studies. 2018 , 10, 37855-37864	22
286	Force on a compressible sphere and the resonance of a bubble in standing surface acoustic waves. 2018 , 98,	4
285	Therapeutic Effects of Multimodal Biophysical Stimulation on Muscle Atrophy in a Mouse Model. 2018 , 19, 1553-1560	
284	Influence of Magnetic Nanoparticles on the Focused Ultrasound Hyperthermia. 2018 , 11,	17
283	Superselektive Drug Delivery Using Doxorubicin-Encapsulated Liposomes and Ultrasound in a Mouse Model of Lung Metastasis Activation. 2018 , 44, 1818-1827	9
282	A review on the use of magnetic fields and ultrasound for non-invasive cancer treatment. 2018 , 14, 97-111	47

281	MRI Robots for Needle-Based Interventions: Systems and Technology. 2018 , 46, 1479-1497	41
280	Ultrasound-Triggered Delivery of Anticancer Therapeutics from MRI-Visible Multilayer Microcapsules. 2018 , 1, 1800051	19
279	Active colloids: Toward an intelligent micromachine. 2018 , 279-312	1
278	Wearable Technologies and Force Myography for Healthcare. 2018 , 135-152	4
277	Tissue Regeneration without Stem Cell Transplantation: Self-Healing Potential from Ancestral Chemistry and Physical Energies. 2018 , 2018, 7412035	9
276	Laser generated ultrasound sources using carbon-polymer nanocomposites for high frequency metrology. 2018 , 144, 584	6
275	Relationship between acoustic cavitation bubble behavior and output signal from tough hydrophone using high-speed camera in high-frequency and low-frequency acoustic fields. 2018 , 57, 07LE15	2
274	Cell Membrane-Camouflaged Colloid Motors for Biomedical Applications. 2018 , 1, 1800056	33
273	Survey of ultrasound practice amongst podiatrists in the UK. 2018 , 11, 18	4
272	Ultrasound-Mediated Gene Therapy in Swine Livers Using Single-Element, Multi-lensed, High-Intensity Ultrasound Transducers. 2018 , 10, 179-188	7
271	Synergistic effects of Combined Therapy: nonfocused ultrasound plus Aussie current for noninvasive body contouring. 2018 , 11, 203-212	5
270	An Analytical Equivalent Circuit Model for Optimization Design of a Broadband Piezoelectric Micromachined Ultrasonic Transducer With an Annular Diaphragm. 2019 , 66, 1760-1776	9
269	Transcutaneous ultrasound energy harvesting using capacitive triboelectric technology. 2019 , 365, 491-494	347
268	Safety of transcranial focused ultrasound stimulation: A systematic review of the state of knowledge from both human and animal studies. 2019 , 12, 1367-1380	42
267	Therapeutic ultrasound attenuates DSS-induced colitis through the cholinergic anti-inflammatory pathway. 2019 , 45, 495-510	27
266	Recent developments on foaming mechanical and electronic techniques for the management of varicose veins. 2019 , 16, 931-940	6
265	Intense Therapeutic Ultrasound for Pain Relief in the Treatment for Chronic Plantar Fasciopathy.. 2019 , 4, 2473011419862228	1
264	Basics of ultrasound. 2019 , 151-158	

263	Low Intensity Pulsed Ultrasound Prevents Recurrent Ischemic Stroke in a Cerebral Ischemia/Reperfusion Injury Mouse Model via Brain-derived Neurotrophic Factor Induction. 2019 , 20,	6
262	Ultrasound improves the outcomes of cardiopulmonary resuscitation in rats by stimulating the cholinergic anti-inflammatory pathway. 2019 , 20, 2675-2684	1
261	Evaluation of bladder shape using transabdominal ultrasound: Feasibility of a novel approach for the detection of involuntary detrusor contractions. 2019 , 27, 167-175	4
260	Acoustic modification of collagen hydrogels facilitates cellular remodeling. 2019 , 3,	7
259	The effects of ultrasound pressure and temperature fields in millisecond bubble nucleation. 2019 , 55, 262-272	11
258	Mesenchymal Stromal Cell Homing: Mechanisms and Strategies for Improvement. 2019 , 15, 421-438	160
257	Application of Direct Sonoporation from a Defined Surface Area of the Peritoneum: Evaluation of Transfection Characteristics in Mice. 2019 , 11,	10
256	Ultrasound-Induced Wireless Energy Harvesting for Potential Retinal Electrical Stimulation Application. 2019 , 29, 1902522	27
255	Cavitation Induced by Janus-Like Mesoporous Silicon Nanoparticles Enhances Ultrasound Hyperthermia. 2019 , 7, 393	10
254	Nonuniform Bessel-Based Radiation Distributions on A Spherically Curved Boundary for Modeling the Acoustic Field of Focused Ultrasound Transducers. 2019 , 9, 911	0
253	Low-intensity pulsed ultrasound repair in mandibular condylar cartilage injury rabbit model. 2019 , 104, 60-66	7
252	Ultrasound-mediated delivery of siESE complexed with microbubbles attenuates HER2+/- cell line proliferation and tumor growth in rodent models of breast cancer. 2019 , 3, 212-222	10
251	Benefits and Pitfalls of Ultrasound in Obstetrics and Gynecology. 2019 , 46, 367-378	8
250	Direct Evidence of Multibubble Sonoluminescence Using Therapeutic Ultrasound and Microbubbles. 2019 , 11, 19913-19919	43
249	High-intensity focused ultrasound-induced mechanochemical transduction in synthetic elastomers. 2019 , 116, 10214-10222	25
248	Ultra-rapid drug delivery in the oral cavity using ultrasound. 2019 , 304, 1-6	7
247	Ultrasonic Generation of Pulsatile and Sequential Therapeutic Delivery Profiles from Calcium-Crosslinked Alginate Hydrogels. 2019 , 24,	11
246	COMPUTATIONAL ALGORITHM OF TWO PARALLEL ULTRASOUND BEAMS OF 1D CANCER TISSUE MODEL FOR SAFE AND EFFECTIVE HYPERTHERMIA TREATMENT. 2019 , 19, 1950012	

245	Intense Therapeutic Ultrasound for Treatment of Chronic Plantar Fasciitis: A Pivotal Study Exploring Efficacy, Safety, and Patient Tolerance. 2019 , 58, 519-527	5
244	Free-standing microchamber arrays as a biodegradable drug depot system for implant coatings. 2019 , 114, 72-80	18
243	Evaluation of acoustic-based particle separation methods. 2019 , 16, 823-838	2
242	The Effects of Nerve and Tendon Gliding Exercises Combined with Low-level Laser or Ultrasound Therapy in Carpal Tunnel Syndrome. 2019 , 53, 347-352	7
241	Sonodynamic Therapy for Gliomas. Perspectives and Prospects of Selective Sonosensitization of Glioma Cells. 2019 , 8,	21
240	Nano-Enhanced Drug Delivery and Therapeutic Ultrasound for Cancer Treatment and Beyond. 2019 , 7, 324	59
239	Double-parabolic-reflectors acoustic waveguides for high-power medical ultrasound. 2019 , 9, 18493	7
238	The secondary Bjerknes force between two oscillating bubbles in Kelvin-Voigt-type viscoelastic fluids driven by harmonic ultrasonic pressure. 2019 , 52, 344-352	5
237	Magneto-ultrasonic heating with nanoparticles. 2019 , 474, 400-405	13
236	Alternative Therapeutic Approaches in Skin Ulcers Due to Systemic Sclerosis. 2019 , 193-205	1
235	Frequency-induced morphology alterations in microconfined biological cells. 2019 , 57, 819-835	3
234	Global competencies for midwives: external cephalic version; ultrasonography, and tobacco cessation intervention. 2019 , 32, e413-e420	2
233	Ablation Energy Sources. 2019 , 206-237	2
232	Bubble cloud dynamics in an ultrasound field. 2019 , 862, 1105-1134	19
231	A Review of Low-Intensity Pulsed Ultrasound for Therapeutic Applications. 2019 , 66, 2704-2718	63
230	Adsorption and Desorption of a Phospholipid from Single Microbubbles under Pulsed Ultrasound Irradiation for Ultrasound-Triggered Drug Delivery. 2019 , 35, 10007-10013	9
229	Broadband ultrasound-trapping barrier based on hollow cylinder with a periodic grating. 2019 , 93, 102-106	1
228	Four-dimensional optoacoustic monitoring of tissue heating with medium intensity focused ultrasound. 2019 , 94, 117-123	9

227	Ultrasound Cavitation/Microbubble Detection and Medical Applications. 2019 , 39, 259-276		25
226	High-power therapeutic ultrasound for treatment of abdominal localized adiposity-double-blind randomized clinical trial. 2020 , 35, 927-938		
225	Diagnostic Ultrasound Safety Review for Point-of-Care Ultrasound Practitioners. <i>Journal of Ultrasound in Medicine</i> , 2020 , 39, 1069-1084	2.9	12
224	Sono-magnetic heating in tumor phantom. 2020 , 500, 166396		10
223	Focused Ultrasound for Immunomodulation of the Tumor Microenvironment. 2020 , 205, 2327-2341		9
222	Acoustic Coupling Quantification in Ultrasound-Guided Focused Ultrasound Surgery: Simulation-Based Evaluation and Experimental Feasibility Study. 2020 , 46, 3305-3316		1
221	Ultrasound-Induced Wireless Energy Harvesting: From Materials Strategies to Functional Applications. 2020 , 77, 105131-105131		29
220	Ultrafast three-dimensional microbubble imaging predicts tissue damage volume distributions during nonthermal brain ablation. 2020 , 10, 7211-7230		12
219	Sonochemical protocol for solvent-free organic synthesis. 2020 , 113-139		
218	Vibration enhanced cell growth induced by surface acoustic waves as in vitro wound-healing model. 2020 , 117, 31603-31613		9
217	An in vitro model of temporal enhancement of epithelium barrier permeability by low-energy shock waves without contrast agents. 2020 , 58, 1987-1993		
216	Microbubbles and Nanobubbles with Ultrasound for Systemic Gene Delivery. 2020 , 12,		26
215	Pulsed Ultrasound Remedies Post-thoracotomy Hypersensitivity and Increases Spinal Anti-inflammatory Cytokine in Rats. 2020 , 46, 3296-3304		
214	Prevention of acute kidney injury by low intensity pulsed ultrasound via anti-inflammation and anti-apoptosis. 2020 , 10, 14317		4
213	Ultrasound Therapy: Experiences and Perspectives for Regenerative Medicine. 2020 , 11,		9
212	Ultrasound Devices to Treat Chronic Wounds: The Current Level of Evidence. 2020 , 19, 341-349		1
211	High-Strain-Rate Behavior of a Viscoelastic Gel Under High-Velocity Microparticle Impact. 2020 , 60, 1179-1186		4
210	Point of care ultrasound imaging as a wound assessment tool in diabetic foot ulcers: a case series. 2020 , 29, S28-S34		2

209	High frequency ultrasound mediated transdermal delivery of ondansetron hydrochloride employing bilosomal gel systems: ex-vivo and in-vivo characterization studies. 2020 , 50, 613-624	5
208	Ultrasound applications in cancer therapy. 2020 , 181-218	
207	Equivalent Circuit Models of Cell and Array for Resonant Cavity-Based Piezoelectric Micromachined Ultrasonic Transducer. 2020 , 67, 2103-2118	1
206	Impulse response analysis of an ultrasonic human body channel. 2020 , 171, 107149	1
205	The role of ultrasound in enhancing mesenchymal stromal cell-based therapies. 2020 , 9, 850-866	31
204	Biodegradable nanofiber bone-tissue scaffold as remotely-controlled and self-powering electrical stimulator. 2020 , 76, 105028	21
203	Performance comparison of ultrasonic-assisted and magnetic stirred absorption methods for CO ₂ separation. 2020 , 2, 1	3
202	Physical Therapy Intervention for Peyronie Disease as a Missing Link for Female Dyspareunia: A Case Report. 2020 , 44, 26-31	
201	Cancer Theranostics of White TiO ₂ Nanomaterials. 2020 , 153-183	
200	An Introduction to High Intensity Focused Ultrasound: Systematic Review on Principles, Devices, and Clinical Applications. 2020 , 9,	71
199	A Bibliometric Analysis of Citation Classics in the Journal of Ultrasound in Medicine. <i>Journal of Ultrasound in Medicine</i> , 2020 , 39, 1289-1297	2.9 3
198	Therapeutic ultrasound experiments in vitro: Review of factors influencing outcomes and reproducibility. 2020 , 107, 106167	15
197	Development and focusing enhancement of nonlinear air-coupled acoustic technique for damage characterization in materials. 2021 , 34, 266-274	1
196	Sonodynamic therapy of cancer using a novel TiO ₂ -based nanoparticles. 2021 , 36, 521-528	3
195	The effects of low intensity focused ultrasonic stimulation on dorsal root ganglion neurons and Schwann cells in vitro. 2021 , 99, 374-391	3
194	Equivalent Circuit Model for a Large Array of Coupled Piezoelectric Micromachined Ultrasonic Transducers With High Emission Performance. 2021 , 68, 718-733	3
193	Fast inverse solver for identifying the diffusion coefficient in time-dependent problems using noisy data. 2021 , 91, 1623-1639	0
192	Ex Vivo Imaging of Ultrasound-Stimulated Metabolic Activity in Rat Pancreatic Slices. 2021 , 47, 666-678	0

191	Synergistic agents for tumor-specific therapy mediated by focused ultrasound treatment. 2021 , 9, 422-436	2
190	Real-Time Visualization of a Focused Ultrasound Beam Using Ultrasonic Backscatter. 2021 , 68, 1213-1223	1
189	Pulsed Ultrasound of the Spleen Prolongs Survival of Rats With Severe Intra-abdominal Sepsis. 2021 , 259, 97-105	0
188	Ultrasonic Interfacial Engineering of Red Phosphorous-Metal for Eradicating MRSA Infection Effectively. 2021 , 33, e2006047	41
187	Pulsed ultrasound attenuates the hyperglycemic exacerbation of myocardial ischemia-reperfusion injury. 2021 , 161, e297-e306	6
186	Introduction. 2021 , 1-20	
185	Rehabilitation in Pain Medicine. 2021 , 193-210	
184	Ultrasound-Activated Nanoparticles. 2021 , 301-332	
183	Designing bioactive micro-/nanomotors for engineered regeneration. 2021 , 2, 109-115	16
182	Ex vivo study of use of physiotherapy ultrasound in polymethylmethacrylate beads doped with methylene blue as an antibiotic carrier. 22,	
181	Ultrasound for Bleeding Disorders. 2021 , 101-112	
180	Mechanically induced integrin ligation mediates intracellular calcium signaling with single pulsating cavitation bubbles. 2021 , 11, 6090-6104	2
179	Performance Evaluation of Ultrasonic Imaging System (Part I).. 2021 , 29, 258-263	0
178	Review and Management of Complex Regional Pain Syndrome in Pregnancy. 2021 , 273-310	
177	Swine Ultrasonography Numerical Modeling for Pregnancy Diagnosis and Prediction of Litter Size. 2021 , 15, 29-35	0
176	Laser-generated focused ultrasound transducer using a perforated photoacoustic lens for tissue characterization. 2021 , 12, 1375-1390	1
175	Design and Fabrication of Negative-Refractive-Index Metamaterial Unit Cells for Near-Megahertz Enhanced Acoustic Transmission in Biomedical Ultrasound Applications. 2021 , 15,	4
174	Acceleration of Bone-Tendon Interface Healing by Low-Intensity Pulsed Ultrasound Is Mediated by Macrophages. 2021 , 101,	2

- 173 Marginal Bone Changes around Dental Implants after LIPUS Application: CBCT Study.
- 172 Modifications of Plasma Membrane Organization in Cancer Cells for Targeted Therapy. **2021**, 26, 4
- 171 Effect of Therapeutic Ultrasound for Neck Pain: A Systematic Review and Meta-Analysis. **2021**, 102, 2219-2230 1
- 170 Advances of Ultrasonic Scaling Removal Technology and Heat Transfer Enhancement Technology. **2021**, 8, 134-144 0
- 169 Emerging Role of Hydrogels in Drug Delivery Systems, Tissue Engineering and Wound Management. **2021**, 13, 36
- 168 Viability of transverse rectus abdominis musculocutaneous flap treated with photobiomodulation and therapeutic ultrasound: an experimental model. **2021**, 1 0
- 167 Synergistic Effect of Growth Factor Releasing Polymeric Nanoparticles and Ultrasound Stimulation on Osteogenic Differentiation. **2021**, 13, 0
- 166 Ultrasound-responsive polymer-based drug delivery systems. **2021**, 11, 1323-1339 18
- 165 Ultrasound-triggered herceptin liposomes for breast cancer therapy. **2021**, 11, 7545 18
- 164 Radial Extracorporeal Shockwave Therapy versus Ultrasound Therapy in Adult Patients with Idiopathic Scoliosis. **2021**, 10,
- 163 Externally triggered release of growth factors - A tissue regeneration approach. **2021**, 332, 74-95 7
- 162 Reply to the comments on our article comparison of radial extracorporeal shockwave therapy with ultrasound therapy in patients with lateral epicondylitis. **2021**, 48, 367-368
- 161 Mesoporous silica nanoparticle: Heralding a brighter future in cancer nanomedicine. **2021**, 319, 110967 8
- 160 Ultrasound Bubble Control for Blood Clot Deformation in a Vessel Connected to a Pulmonary Artery. **2021**,
- 159 Detecting and Monitoring Hydrogels with Medical Imaging. **2021**, 7, 4027-4047 3
- 158 Multifunctional nanoparticles as theranostic agents for therapy and imaging of breast cancer. **2021**, 218, 112110 6
- 157 Can Ultrasound Therapy Be an Environmental-Friendly Alternative to Non-Steroidal Anti-Inflammatory Drugs in Knee Osteoarthritis Treatment?. **2021**, 14, 4
- 156 Ultrasound-triggered on-demand drug delivery using hydrogel microbeads with release enhancer. **2021**, 203, 109580 15

155	Acoustics at the nanoscale (nanoacoustics): A comprehensive literature review.: Part II: Nanoacoustics for biomedical imaging and therapy.. 2021 , 332, 112925-112925	1
154	The promising shadow of microbubble over medical sciences: from fighting wide scope of prevalence disease to cancer eradication. 2021 , 28, 49	4
153	Principles of Intravascular Lithotripsy for Calcific Plaque Modification. 2021 , 14, 1275-1292	10
152	. 2021 ,	
151	Low-Intensity Continuous Ultrasound Therapies: A Systematic Review of Current State-of-the-Art and Future Perspectives. 2021 , 10,	6
150	Breast Tissue Characterization Based on Generalised Extreme Value Distribution of Ultrasound Radio-Frequency Data. 2021 , 1105, 012079	
149	Acoustics at the nanoscale (nanoacoustics): A comprehensive literature review.: Part I: Materials, devices and selected applications.. 2021 , 332,	2
148	Effects of Non-thermal Ultrasound on a Fibroblast Monolayer Culture: Influence of Pulse Number and Pulse Repetition Frequency. 2021 , 21,	1
147	A comprehensive survey on non-invasive wearable bladder volume monitoring systems. 2021 , 59, 1373-1402	1
146	Double-strand breaks in genome-sized DNA caused by megahertz ultrasound. 2021 , 150, 241	3
145	Synergies between therapeutic ultrasound, gene therapy and immunotherapy in cancer treatment. 2021 , 178, 113906	3
144	A novel nonfocused pulsed ultrasound technology for noninvasive circumference reduction. 2021 , 34, e15101	1
143	Ultrasound-Enabled Therapeutic Delivery and Regenerative Medicine: Physical and Biological Perspectives. 2021 , 7, 4371-4387	1
142	Nanotechnology for Pain Management: Current and Future Therapeutic Interventions.. 2021 , 39, 101223-101223	
141	Far field during sonication experiments in vitro - Is it really far enough?. 2021 , 115, 106461	
140	Ultrasound-triggered directional release from turmeric capsules. 2021 , 57, 19-27	4
139	Key Points in Remote-Controlled Drug Delivery: From the Carrier Design to Clinical Trials. 2021 , 22,	1
138	Establishing <i>C. elegans</i> as a Model for Studying the Bioeffects of Therapeutic Ultrasound. 2021 , 47, 2346-2359	1

137	Microbubble-Enhanced Heating: Exploring the Effect of Microbubble Concentration and Pressure Amplitude on High-Intensity Focused Ultrasound Treatments. 2021 , 47, 2296-2309	1
136	Selection criteria of piezoelectric materials for double-parabolic-reflectors ultrasonic transducers (DPLUS) for high-power ultrasound. 2021 , 60, 106504	2
135	Exposure to low intensity ultrasound removes paclitaxel cytotoxicity in breast and ovarian cancer cells. 2021 , 21, 981	3
134	Effect of 1-MHz ultrasound on the proinflammatory interleukin-6 secretion in human keratinocytes. 2021 , 11, 19033	2
133	VASER Liposuction. How to Get Natural Results with Ultrasound Assisted Liposuction?.	1
132	Control of inflammation using non-invasive neuromodulation: past, present and promise. 2021 ,	0
131	Ultrasound-Targeted Microbubble Destruction Accelerates Angiogenesis and Ameliorates Left Ventricular Dysfunction after Myocardial Infarction in Mice. 2021 , 47, 2692-2701	0
130	Release of basic fibroblast growth factor from acoustically-responsive scaffolds promotes therapeutic angiogenesis in the hind limb ischemia model. 2021 , 338, 773-783	2
129	Hydrophones, fundamental features, design considerations, and various structures: A review. 2021 , 329, 112790	8
128	Vascular Imaging in Small Animals Using Clinical Ultrasound Scanners. 2022 , 2375, 191-201	
127	Types of cancer diagnostics, the current achievements, and challenges. 2022 , 27-45	1
126	Clinical experience with adipose tissue enriched with adipose stem cells. 2022 , 185-223	
125	Optimal pulse length of insonification for Piezo1 activation and intracellular calcium response. 2021 , 11, 709	3
124	Repeated Acoustic Vaporization of Perfluorohexane Nanodroplets for Contrast-Enhanced Ultrasound Imaging. 2021 , 68, 3497-3506	2
123	Therapeutic Ultrasound-Enhanced Transcorneal PHMB Delivery In Vitro. <i>Journal of Ultrasound in Medicine</i> , 2021 , 40, 2561-2570	2.9 2
122	Novel design and kinematic analysis of a 5-DOFs robotic arm with three-fingered gripper for physical therapy. 2020 , 28, 2121-2132	4
121	Ultrasound-mediated mechanical forces selectively kill tumor cells.	3
120	Dependence of Ultrasonic and Magnetic Hyperthermia on the Concentration of Magnetic Nanoparticles. 2018 , 133, 716-718	8

119	Impact of Ultrasound Therapy on Stem Cell Differentiation - A Systematic Review. 2020 , 15, 462-472	2
118	Therapeutic Applications of Ultrasound in Neurological Diseases. 2019 , 11, 62-72	3
117	Computational investigation of ultrasound induced electricity generation via a triboelectric nanogenerator. 2021 , 91, 106656	8
116	Holographic mirrors for spatial ultrasound modulation in contactless acoustic energy transfer systems. 2021 , 119, 144101	4
115	Ultrasound-Targeted Microbubble Destruction Alleviates Immunosuppression Induced by CD71 Erythroid Progenitor Cells and Promotes PDL-1 Blockade Immunotherapy in the Lewis Lung Cancer Model. 2021 , 11, 768222	2
114	Sonodynamic effect in A375 melanoma cells with chlorin e6 induced by 20 kHz ultrasound. 2022 , 55, 045402	
113	Tissue Mimicking Phantom for Visualization of Temperature Elevation Caused by Ultrasound. 2014 , 33, 291	
112	A COMPARATIVE STUDY BETWEEN THE EFFICACIES OF ULTRASOUND THERAPY WITH CRYOKINETICS VERSUS ULTRASOUND THERAPY WITH SOFT TISSUE MASSAGE (DEEP FRICTION MASSAGE) IN ACUTE SUPRASPINATUS TENDINITIS. 2014 , 3, 3898-3907	
111	A Comparative Study of Using Diode Laser, Ultrasound and Alternating Current in Wound Healing. 2017 , 12, 10	
110	Modalities Part 4. 262-272	
109	Evaluation of the effect of ultrasonic heating and exercise heating on muscles by ultrasound elastography: An experimental clinical trial.	
108	Skin Contribution to Heating by Ultrasonic Field Irradiation: Simulation of a Multilayer Biological Application. 2020 , 1329-1336	
107	Low-Intensity Pulsed Ultrasound Accelerates Differentiation of Osteoblastic Cells on Roughened Titanium Surface. 2020 , 29, 247-254	
106	Antibacterial Sonodynamic Therapy: Current Status and Future Perspectives. 2021 ,	3
105	Ultrasound for Aesthetic Applications: A Review of Biophysical Mechanisms and Safety. <i>Journal of Ultrasound in Medicine</i> , 2021 ,	2.9 0
104	Therapeutic ultrasound associated with essential oils of copaiba and tea tree for healing skin lesions.	
103	Ultrassom terapêutico associado a óleos essenciais de copaíba e melaleuca na cicatrização de lesões de pele.	
102	Linear Relationship between the Effective Radiation Area and Thermal Images on a Thermochromatic Test Body with 1-MHz Ultrasonic Transducers. 2021 ,	

101	Hybrid amorphous TiO ₂ /polymer nanomaterials trigger apoptosis of pediatric cancer cells upon ultrasound irradiation. 2021 , 22, 100613	1
100	Using Acoustic Fields to Fabricate ECM-Based Biomaterials for Regenerative Medicine Applications. 2020 , 2,	0
99	Ultrasonic Imaging: Physics and Mechanism. 2021 , 1-38	1
98	Mechanically Induced Integrin Ligation Mediates Intracellular Calcium Signaling with Single Pulsating Cavitation Bubbles.	1
97	Influence of high intensity focused ultrasound reflected from a soft-tissue/bone interface on the temperature rise and lesion formation. 2020 , 59, 120902	
96	An electromyographic evaluation of pain relief using different therapies in masticatory myalgia patients. 2020 , 46, 321-327	
95	Magnetic mediators for ultrasound theranostics. 2021 , 11, 10091-10113	1
94	Development of backing piezoelectric micromachined ultrasonic transducer (B-PMUT) 2D array. 2021 ,	0
93	Effect of therapeutic ultrasound on the mechanical and biological properties of fibroblasts.	
92	Multifunctional Composite Nanosystems for Precise/Enhanced Sonodynamic Oxidative Tumor Treatment. 2021 ,	0
91	Gas-stabilizing nanoparticles for ultrasound imaging and therapy of cancer. 2021 , 8, 39	1
90	Skin Aging and Plastic Surgery. 2022 , 215-217	
89	Pretreatment of Lignocellulosic Materials to Enhance their Methane Potential. 2022 , 85-120	1
88	Rewarding Normal Pseudoscience and Facsimile Science. 2021 , 145-160	
87	A CNN Segmentation-Based Approach to Object Detection and Tracking in Ultrasound Scans with Application to the Vagus Nerve Detection. 2021 , 2021, 3322-3327	0
86	A Framework for Fast Automatic Robot Ultrasound Calibration. 2021 ,	0
85	Low-intensity ultrasound promotes uterine involution after cesarean section: the first multicenter, randomized, controlled clinical trial.. 2022 , 39, 181-189	0
84	Transdermal Delivery of Therapeutic Compounds With Nanotechnological Approaches in Psoriasis.. 2021 , 9, 804415	0

83	Bone tissue engineering. 2022 , 1-40	
82	Non-contact ultrasound oocyte denudation.. 2022 ,	0
81	Enhancement of astaxanthin incorporation by pulsed high-intensity ultrasound in LPS-stimulated macrophages.. 2022 , 1	1
80	System and method for applying physiotherapeutic focused ultrasound.. 2022 , 121, 106693	0
79	Explicit predictor-corrector method for nonlinear acoustic waves excited by a moving wave emitting boundary. 2022 , 116814	0
78	THE USE OF ULTRASOUND GUIDED HIGH INTENSITY FOCUSED ULTRASOUND (HIFU) IN THE TREATMENT OF UTERINE FIBROIDS: AN OVERVIEW. 2022 , 75, 545-550	
77	Ultrasound stimulation improves inflammatory resolution, neuroprotection, and functional recovery after spinal cord injury.. 2022 , 12, 3636	1
76	Microfluidic Platforms for Cell Sorting. 2022 , 653-695	1
75	Study on the effects of the use of therapeutic ultrasound in the treatment of osteoarticular diseases. 2022 , 482	
74	Rehabilitative interventions for ischaemic digital ulcers, pain, and hand functioning in systemic sclerosis: a prospective before-after study.. 2022 , 23, 193	
73	Effects of low intensity pulsed ultrasound stimulation on metabolic lipolysis of adipocytes.	
72	Diagnosis, Treatment, and Management of Painful Scar: A Narrative Review.. 2022 , 15, 925-937	0
71	Direct sound printing.. 2022 , 13, 1800	3
70	An Update on Physical Therapy Adjuncts in Orthopedics.. 2022 , 14, 163-169	
69	Development of self-powered multifunctional piezomagnetic nanoparticles for non-invasive post-surgical osteosarcoma theranogeneration. 2022 , 96, 107134	4
68	Thermal Effect of Therapeutic Ultrasound on Muscle-Bone Interface of Swine Tissue (Sus Scrofa Domestica) with Metallic Implant. 2022 , 2413-2416	
67	Ultrasounds in cancer therapy: A summary of their use and unexplored potential.. 2022 , 16, 531	0
66	Pulsed-Ultrasound Irradiation Induces the Production of Itaconate and Attenuates Inflammatory Responses in Macrophages.. 2022 , 15, 2387-2395	0

65 Data_Sheet_1.PDF. 2019,

64 Update on Facial Noninvasive Skin Tightening. 2022, 5, 145-155

63 Object Detection and Tracking in Ultrasound Scans Using an Optical Flow and Semantic Segmentation Framework Based on Convolutional Neural Networks. 2022,

62 Magnetolectric dissociation of Alzheimer β Amyloid aggregates.. 2022, 8, eabn1675

1

61 Multiphysics modeling and experiments on ultrasound-triggered drug delivery from silk fibroin hydrogel for Wilms tumor.. 2022, 621, 121787

2

60 Nano-scale Particle Separation with Tilted Standing Surface Acoustic Wave [Experimental and Numerical Approaches. 2200057

59 Surgical applications of ultrasound use in low- and middle-income countries: A systematic review.

0

58 Role and implication of nanomaterials in clinical diagnostics. 2022, 209-254

57 Recent advances in acoustic microfluidics and its exemplary applications. 2022, 16, 031502

3

56 Simultaneous chemotherapy/sonodynamic therapy of the melanoma cancer cells using a gold-paclitaxel nanostructure. 2022, 102991

0

55 Negative-Index Acoustic Metamaterial Operating above 100 kHz in Water Using Microstructured Silicon Chips as Unit Cells. 2200407

54 The impact of low intensity ultrasound on cells: Underlying mechanisms and current status. 2022,

53 Combination of Focused Ultrasound, Immunotherapy, and Chemotherapy. *Journal of Ultrasound in Medicine,*

2.9

0

52 An implantable ultrasound-powered device for the treatment of brain cancer using electromagnetic fields. 2022, 8,

0

51 The role of anti-tumor immunity of focused ultrasound for the malignancies: depended on the different ablation categories.

50 Therapeutic Ultrasound for Topical Corneal Delivery of Macromolecules. 2022, 11, 23

49 Non-invasive transcranial brain modulation for neurological disorders treatment: A narrative review. 2022, 307, 120869

3

48 Formulation and Evaluation of Diclofenac Potassium Gel in Sports Injuries with and without Phonophoresis. 2022, 8, 612

0

47	Ultrasound-mediated bloodBrain barrier opening: An effective drug delivery system for theranostics of brain diseases. 2022 , 190, 114539	0
46	Piezoelectric Ultrasonic Power Transducers. 2022 ,	0
45	Mechanical force induced DNA double-strand breaks: Ultrasound. 2022 ,	0
44	Mechanoresponsive diselenide-crosslinked microgels with programmed ultrasound-triggered degradation and radical scavenging ability for protein protection. 2022 , 13, 11304-11311	1
43	Biochemical and Physiological Events Involved in Responses to the Ultrasound Used in Physiotherapy: A Review. 2022 ,	0
42	Performance Evaluation of an Ultrasonic Imaging System Using Tissue-Mimicking Phantoms for Quality Assurance. 2022 , 7, 130	0
41	Ultrasound-Induced Drug Release from Stimuli-Responsive Hydrogels. 2022 , 8, 554	3
40	Sonogenetics: Recent advances and future directions. 2022 , 15, 1308-1317	1
39	Gas Bubble Photonics: Manipulating Sonoluminescence Light with Fluorescent and Plasmonic Nanoparticles. 2022 , 12, 8790	0
38	Emerging photodynamic/sonodynamic therapies for urological cancers: progress and challenges. 2022 , 20,	1
37	Hydrogel interfaces for merging humans and machines.	11
36	Harnessing Ultrasound for Targeting Drug Delivery to the Brain and Breaching the BloodBrain Tumour Barrier. 2022 , 14, 2231	0
35	Ultrasound Responsive Smart Implantable Hydrogels for Targeted Delivery of Drugs: Reviewing Current Practices. Volume 17, 5001-5026	0
34	MRI Bone Abnormality of the Knee following Ultrasound Therapy: Case Report and Short Review. 2022 , 19, 14202	0
33	In vitro cell culture models for ultrasound treatments using collagen-based materials. 2022 , 101909	0
32	On-demand regulation and enhancement of the nucleation in acoustic droplet vaporization using dual-frequency focused ultrasound. 2022 , 90, 106224	1
31	Bioadhesive and phase change polymers for drug delivery. 2023 , 151-186	0
30	Emerging insights of peptide-based nanotherapeutics for effective management of rheumatoid arthritis. 2023 , 312, 121257	0

- 29 Bedside Physiotherapy: Therapeutic Ultrasound and Other Physical Factors. **2022**, 143-149 ○
- 28 The application of mechanobiotechnology for immuno-engineering and cancer immunotherapy. 10, ○
- 27 Effect of Therapeutic Ultrasound on the Mechanical and Biological Properties of Fibroblasts. ○
- 26 Investigating the influence of ultrasound parameters on ibuprofen drug release from hydrogels. ○
- 25 AIUM Official Statement. ○
- 24 Production and Biological Effects of Extracellular Vesicles from Adipose-Derived Stem Cells Were Markedly Increased by Low-Intensity Ultrasound Stimulation for Promoting Diabetic Wound Healing. 1
- 23 Device for Dual Ultrasound and Dry Needling Trigger Points Treatment. **2023**, 23, 580 ○
- 22 KİLEKLERDE MEME TİMEDİLGULARINDA GİCEL KEMOTERAPİE YAKLAİM: MİKROBALONCUKLAR. ○
- 21 Ultrasound-Driven Bioadhesive Triboelectric Nanogenerator for Instant Wound Sealing and Electrically Accelerated Healing in Emergencies. 2209054 ○
- 20 Piezo protein determines stem cell fate by transmitting mechanical signals. ○
- 19 Simultaneous proton resonance frequency T 1 - MR shear wave elastography for MR-guided focused ultrasound multiparametric treatment monitoring. ○
- 18 Biosafety. **2023**, 77-97 ○
- 17 Peripheral focused ultrasound stimulation and its applications: From therapeutics to human-computer interaction. 17, ○
- 16 Ultrasound Stimulation Potentiates Management of Diabetic Hyperglycemia. **2023**, 49, 1259-1267 ○
- 15 Vessel Rupture Thresholds for VesselBubble Interactions Using an Earthworm Vasculature Model. **2023**, 49, 1108-1117 ○
- 14 Ultrasound vibration energy harvesting from a rotary-type piezoelectric ultrasonic actuator. **2023**, 197, 110337 ○
- 13 Emerging ultrasonic bioelectronics for personalized healthcare. **2023**, 136, 101110 ○
- 12 Phase aberration correction for ultrasound imaging guided extracorporeal shock wave therapy (ESWT): Feasibility study. **2023**, 132, 107011 ○

- 11 Hybrid Quantum Dot as Promising Tools for Theranostic Application in Cancer. **2023**, 12, 972
- 10 A Review on Biological Effects of Ultrasounds: Key Messages for Clinicians. **2023**, 13, 855
- 9 Smart stimuli-responsive chitosan hydrogel for drug delivery: A review. **2023**, 235, 123902
- 8 Novel MRI-guided Focussed Ultrasound Stimulated Microbubble Radiation Enhancement Treatment for Breast Cancer.
- 7 Indomethacin phonophoresis treatment of chronic nonbacterial prostatitis symptoms: randomized single blinded controlled trial. **2023**, 36,
- 6 Application of low-intensity pulsed ultrasound on tissue resident stem cells: Potential for ophthalmic diseases. 14,
- 5 Surface acoustic wave based microfluidic devices for biological applications.
- 4 Principles and Procedure of Focused Ultrasound Ablation Surgery. **2023**, 1-13
- 3 Combining topical dermal infused exosomes with injected calcium hydroxylapatite for enhanced tissue biostimulation. **2023**, 22, 15-27
- 2 Nondestructive Inspection of Underwater Coating Layers Using Ultrasonic Lamb Waves. **2023**, 13, 728
- 1 The role of acoustofluidics and microbubble dynamics for therapeutic applications and drug delivery. **2023**, 17, 021502