

CITATION REPORT

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Thresholds for thermal damage to normal tissues: an update

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#	Paper	IF	Citations
487	Children and adults exposed to electromagnetic fields at the ICNIRP reference levels: theoretical assessment of the induced peak temperature increase. 2011 , 56, 4967-89		43
486	Quality assurance for clinical studies in regional deep hyperthermia. 2011 , 187, 605-10		75
485	Science to practice: Which approaches to combination interventional oncologic therapy hold the greatest promise of obtaining maximal clinical benefit?. 2011 , 261, 667-9		4
484	Children and adults exposed to low-frequency magnetic fields at the ICNIRP reference levels: theoretical assessment of the induced electric fields. 2012 , 57, 1815-29		45
483	Considerations for theoretical modelling of thermal ablation with catheter-based ultrasonic sources: implications for treatment planning, monitoring and control. <i>International Journal of Hyperthermia</i> , 2012 , 28, 69-86	3.7	55
482	Some aspects of quality management in deep regional hyperthermia. <i>International Journal of Hyperthermia</i> , 2012 , 28, 562-9	3.7	21
481	Luciferase-based protein denaturation assay for quantification of radiofrequency field-induced targeted hyperthermia: developing an intracellular thermometer. <i>International Journal of Hyperthermia</i> , 2012 , 28, 202-9	3.7	21
480	Ultrasound increases nanoparticle delivery by reducing intratumoral pressure and increasing transport in epithelial and epithelial-mesenchymal transition tumors. 2012 , 72, 1485-93		73
479	HIFU treatment time reduction through heating approach optimisation. <i>International Journal of Hyperthermia</i> , 2012 , 28, 799-820	3.7	12
478	Concentration and volume effects in thermochemical ablation in vivo: results in a porcine model. <i>International Journal of Hyperthermia</i> , 2012 , 28, 113-21	3.7	13
477	Heat-related injury in lambs. 2012 , 24, 772-6		5
476	Brain temperature: what do we know?. 2012 , 23, 483-7		23
475	MRI-Guided Thermal Ablation Techniques. 2012 , 253-269		
474	Guideline for the clinical application, documentation and analysis of clinical studies for regional deep hyperthermia: quality management in regional deep hyperthermia. 2012 , 188 Suppl 2, 198-211		68
473	Enhanced drug delivery in rabbit VX2 tumours using thermosensitive liposomes and MRI-controlled focused ultrasound hyperthermia. <i>International Journal of Hyperthermia</i> , 2012 , 28, 776-87	3.7	58
472	Mild hyperthermia with magnetic resonance-guided high-intensity focused ultrasound for applications in drug delivery. <i>International Journal of Hyperthermia</i> , 2012 , 28, 320-36	3.7	98
471	Tumour hyperthermia and ablation in rats using a clinical MR-HIFU system equipped with a dedicated small animal set-up. <i>International Journal of Hyperthermia</i> , 2012 , 28, 141-55	3.7	60

470	Ultrasound-mediated micellar drug delivery. <i>International Journal of Hyperthermia</i> , 2012 , 28, 374-85	3-7	53
469	Arrhenius analysis of the relationship between hyperthermia and Hsp70 promoter activation: a comparison between ex vivo and in vivo data. <i>International Journal of Hyperthermia</i> , 2012 , 28, 441-50	3-7	11
468	Magnetic resonance-guided high-intensity focused ultrasound (MR-HIFU) ablation of liver tumours. 2012 , 12, 387-94		51
467	Hyperthermia-triggered drug delivery from temperature-sensitive liposomes using MRI-guided high intensity focused ultrasound. 2012 , 161, 317-27		265
466	Dual-wavelength photoacoustic technique for monitoring tissue status during thermal treatments. 2013 , 18, 067003		8
465	CEM43°C thermal dose thresholds: a potential guide for magnetic resonance radiofrequency exposure levels?. 2013 , 23, 2215-27		147
464	Thermal comfort and safety of cotton blankets warmed at 130°F and 200°F. 2013 , 28, 337-46		6
463	Arrhenius parameter determination as a function of heating method and cellular microenvironment based on spatial cell viability analysis. <i>International Journal of Hyperthermia</i> , 2013 , 29, 281-95	3-7	3
462	Low dose of continuous-wave microwave irradiation did not cause temperature increase in muscles tissue adjacent to titanium alloy implants--an animal study. 2013 , 14, 364		6
461	Complete regression of local cancer using temperature-sensitive liposomes combined with ultrasound-mediated hyperthermia. 2013 , 172, 266-273		69
460	An approach to rapid calculation of temperature change in tissue using spatial filters to approximate effects of thermal conduction. 2013 , 60, 1735-41		30
459	Progress and promises of human cardiac magnetic resonance at ultrahigh fields: a physics perspective. 2013 , 229, 208-22		55
458	Radiotherapy in conjunction with superficial and intracavitary hyperthermia for the treatment of solid tumors: survival and thermal parameters. 2013 , 15, 95-105		19
457	Modulation of hyperthermia-induced platelet aggregation inhibition in the presence of urea. <i>International Journal of Hyperthermia</i> , 2013 , 29, 256-8	3-7	2
456	Characterization of Lesion Formation and Bubble Activities during High Intensity Focused Ultrasound Ablation using Temperature-Derived Parameters. 2013 , 60, 108-117		7
455	Comparative analysis of mathematical models of cell death and thermal damage processes. <i>International Journal of Hyperthermia</i> , 2013 , 29, 262-80	3-7	92
454	Cryptorchidism is not a risk factor for antisperm antibody production in post-orchidopexy males with infertility. 2013 , 90, 470-4		8
453	Common gene expression patterns responsive to mild temperature hyperthermia in normal human fibroblastic cells. <i>International Journal of Hyperthermia</i> , 2013 , 29, 38-50	3-7	8

452	Generalised polynomial chaos-based uncertainty quantification for planning MRgLITT procedures. <i>International Journal of Hyperthermia</i> , 2013 , 29, 324-35	3.7	15
451	On the feasibility of concurrent human TMS-EEG-fMRI measurements. 2013 , 109, 1214-27		24
450	Effect of warm compress application on tissue temperature in healthy dogs. 2013 , 74, 448-51		8
449	Evolution of the ablation region after magnetic resonance-guided high-intensity focused ultrasound ablation in a Vx2 tumor model. 2013 , 48, 381-6		25
448	Effects of low-dose microwave on healing of fractures with titanium alloy internal fixation: an experimental study in a rabbit model. 2013 , 8, e75756		11
447	Effects of the thermal environment on articular chondrocyte metabolism: a fundamental study to facilitate establishment of an effective thermotherapy for osteoarthritis. 2014 , 17, 14-21		10
446	A clinical trial of neoadjuvant hyperthermic intravesical chemotherapy (HIVEC) for treating intermediate and high-risk non-muscle invasive bladder cancer. <i>International Journal of Hyperthermia</i> , 2014 , 30, 166-70	3.7	29
445	Variable stiffness fabrics with embedded shape memory materials for wearable applications. 2014 ,		44
444	Optimum temperature for extracellular matrix production by articular chondrocytes. <i>International Journal of Hyperthermia</i> , 2014 , 30, 96-101	3.7	9
443	Photothermal Therapy Using Gold Nanorods and Near-Infrared Light in a Murine Melanoma Model Increases Survival and Decreases Tumor Volume. 2014 , 2014, 1-8		23
442	Conformable actuation and sensing with robotic fabric. 2014 ,		18
441	Science to practice: why debate the role of Dbait for improving tumor ablation?. 2014 , 270, 635-7		
440	Simulation study of the effects of near- and far-field heating during focused ultrasound uterine fibroid ablation using an electronically focused phased array: A theoretical analysis of patient safety. 2014 , 41, 072902		17
439	Evaluation of epidural and peripheral nerve catheter heating during magnetic resonance imaging. 2014 , 39, 534-9		8
438	Vitamin E status and reproduction in sheep: potential implications for Australian sheep production. 2014 , 54, 694		10
437	Thermal tissue damage model analyzed for different whole-body SAR and scan durations for standard MR body coils. <i>Magnetic Resonance in Medicine</i> , 2014 , 71, 421-31	4.4	61
436	Rationalization of thermal injury quantification methods: application to skin burns. 2014 , 40, 896-902		44
435	Polyacrylamide phantom for self-actuating needle-tissue interaction studies. 2014 , 36, 140-5		29

434	Experimental characterisation of the thermal lesion induced by microwave ablation. <i>International Journal of Hyperthermia</i> , 2014 , 30, 110-8	3-7	47
433	Measurement of SAR-induced temperature increase in a phantom and in vivo with comparison to numerical simulation. <i>Magnetic Resonance in Medicine</i> , 2014 , 71, 1923-31	4-4	44
432	Hyperthermia Therapy for Cancer. 2014 , 115-151		4
431	Contact burn due to a heated-wire breathing circuit. 2014 , 28, 802		1
430	Thermoelectrical modeling of bipolar coagulation on posterior spinal artery in a porcine spinal surgery model. 2014 , 61, 182-8		4
429	Implantable magnetic nanocomposites for the localized treatment of breast cancer. 2014 , 116, 233505		16
428	Multiparametric MRI analysis for the evaluation of MR-guided high intensity focused ultrasound tumor treatment. 2015 , 28, 1125-40		9
427	Effects of hyperthermia on DNA repair pathways: one treatment to inhibit them all. 2015 , 10, 165		159
426	Rapid method for thermal dose-based safety supervision during MR scans. 2015 , 36, 398-407		16
425	On the RF heating of coronary stents at 7.0 Tesla MRI. <i>Magnetic Resonance in Medicine</i> , 2015 , 74, 999-1010	104	38
424	Compensating for magnetic field inhomogeneity in multigradient-echo-based MR thermometry. <i>Magnetic Resonance in Medicine</i> , 2015 , 73, 1184-9	4-4	6
423	The Application of Carbon Nanotubes in Magnetic Fluid Hyperthermia. 2015 , 2015, 1-8		9
422	Biomarkers of multiorgan injury in a preclinical model of exertional heat stroke. 2015 , 118, 1207-20		29
421	Heating and Safety Concerns of the Radio-Frequency Field in MRI. 2015 , 3, 1		18
420	Mathematical modeling of the heat-shock response in HeLa cells. 2015 , 109, 182-93		23
419	Wireless implantable chip with integrated nitinol-based pump for radio-controlled local drug delivery. 2015 , 15, 1050-8		43
418	Preclinical evaluation of implantable cardioverter-defibrillator developed for magnetic resonance imaging use. 2015 , 12, 631-638		12
417	Safe for Generations to Come. 2015 , 16, 65-84		117

416	Experimental investigation and histopathological identification of acute thermal damage in skeletal porcine muscle in relation to whole-body SAR, maximum temperature, and CEM43 °C due to RF irradiation in an MR body coil of birdcage type at 123 MHz. <i>International Journal of Hyperthermia</i> , 2015 , 31, 409-20	3.7	14
415	Non-lethal heat treatment of cells results in reduction of tumor initiation and metastatic potential. 2015 , 464, 51-6		4
414	Novel magnetic heating probe for multimodal cancer treatment. 2015 , 42, 2203-11		6
413	Mechanical and hyperthermic properties of magnetic nanocomposites for biomedical applications. 2015 , 49, 118-28		7
412	Monitoring local heating around an interventional MRI antenna with RF radiometry. 2015 , 42, 1411-23		5
411	Intra-abdominal temperature distribution during consolidation hyperthermic intraperitoneal chemotherapy with carboplatin in the treatment of advanced stage ovarian carcinoma. <i>International Journal of Hyperthermia</i> , 2015 , 31, 396-402	3.7	13
410	Towards a dosimetric framework for therapeutic ultrasound. <i>International Journal of Hyperthermia</i> , 2015 , 31, 182-92	3.7	23
409	Evolution of Thermal Dosimetry for Application of Hyperthermia to Treat Cancer. 2015 , 47, 397-421		23
408	Implantable polymer/metal thin film structures for the localized treatment of cancer by Joule heating. 2015 , 117, 165301		2
407	Trimodal Therapy: Combining Hyperthermia with Repurposed Bexarotene and Ultrasound for Treating Liver Cancer. 2015 , 9, 10695-10718		50
406	Thermal Therapy Approaches for Treatment of Brain Tumors in Animals and Humans. 2016 , 44, 443-457		15
405	Investigation of Particle Accumulation, Chemosensitivity and Thermosensitivity for Effective Solid Tumor Therapy Using Thermosensitive Liposomes and Hyperthermia. <i>Theranostics</i> , 2016 , 6, 1717-31	12.1	29
404	Predicting long-term temperature increase for time-dependent SAR levels with a single short-term temperature response. <i>Magnetic Resonance in Medicine</i> , 2016 , 75, 2195-203	4.4	8
403	Electrocautery effect on intestinal vascularisation in a murine model. <i>International Journal of Hyperthermia</i> , 2016 , 32, 643-7	3.7	
402	Near-Infrared-Light-Assisted Photothermal Polymerization for Transdermal Hydrogelation and Cell Delivery. 2016 , 5, 1638-45		18
401	Virtual population-based assessment of the impact of 3 Tesla radiofrequency shimming and thermoregulation on safety and B1 + uniformity. <i>Magnetic Resonance in Medicine</i> , 2016 , 76, 986-97	4.4	32
400	Hyperthermia of magnetic nanoparticles allows passage of sodium fluorescein and Evans blue dye across the blood-retinal barrier. <i>International Journal of Hyperthermia</i> , 2016 , 32, 657-65	3.7	11
399	Normothermic Mouse Functional MRI of Acute Focal Thermostimulation for Probing Nociception. 2016 , 6, 17230		11

398	High intensity focused ultrasound induced in vivo large volume hyperthermia under 3D MRI temperature control. 2016 , 43, 1539-49		40
397	Radiofrequency Ablation, MR Thermometry, and High-Spatial-Resolution MR Parametric Imaging with a Single, Minimally Invasive Device. 2016 , 281, 927-932		13
396	Thermal dosimetry for bladder hyperthermia treatment. An overview. <i>International Journal of Hyperthermia</i> , 2016 , 32, 417-33	3-7	24
395	Thermal therapy of pancreatic tumours using endoluminal ultrasound: Parametric and patient-specific modelling. <i>International Journal of Hyperthermia</i> , 2016 , 32, 97-111	3-7	15
394	Sintering of calcium phosphates with a femtosecond pulsed laser for hard tissue engineering. 2016 , 101, 346-354		22
393	Safe use of subdermal needles for intraoperative monitoring with MRI. 2016 , 40, E19		6
392	Ex Vivo HIFU Experiments Using a 32 times 32\$ -Element CMUT Array. 2016 , 63, 2150-2158		13
391	MRI methods for the evaluation of high intensity focused ultrasound tumor treatment: Current status and future needs. <i>Magnetic Resonance in Medicine</i> , 2016 , 75, 302-17	4-4	35
390	Low-Pressure Burst-Mode Focused Ultrasound Wave Reconstruction and Mapping for Blood-Brain Barrier Opening: A Preclinical Examination. 2016 , 6, 27939		6
389	Hyperthermia. 2016 , 381-398.e6		5
388	Effect of thermal dose on heat shock protein expression after radio-frequency ablation with and without adjuvant nanoparticle chemotherapies. <i>International Journal of Hyperthermia</i> , 2016 , 32, 829-841 ³⁻⁷		4
387	Comprehensive method to predict and quantify scald burns from beverage spills. <i>International Journal of Hyperthermia</i> , 2016 , 32, 900-910	3-7	24
386	Endovascular Electrodes for Electrical Stimulation of Blood Vessels for Vasoconstriction - a Finite Element Simulation Study. 2016 , 6, 31507		2
385	Reducing temperature elevation of robotic bone drilling. 2016 , 38, 1495-1504		29
384	A Protocol of Manual Tests to Measure Sensation and Pain in Humans. 2016 ,		7
383	Heat transfer due to electroconvulsive therapy: Influence of anisotropic thermal and electrical skull conductivity. 2016 , 133, 71-81		10
382	Simulation of high-intensity focused ultrasound lesions in presence of boiling. 2016 , 4, 11		7
381	W(h)ither human cardiac and body magnetic resonance at ultrahigh fields? technical advances, practical considerations, applications, and clinical opportunities. 2016 , 29, 1173-97		34

380	Real-time tracking of delayed-onset cellular apoptosis induced by intracellular magnetic hyperthermia. 2016 , 11, 121-36		69
379	Intracranial MR-guided laser-induced thermal therapy: single-center experience with the Visualase thermal therapy system. 2016 , 125, 853-860		79
378	An Overview of Occupational Risks From Climate Change. 2016 , 3, 13-22		28
377	Design of a Subtarsal Ultrasonic Transducer for Mild Hyperthermia Treatment of Dry Eye Disease. 2016 , 42, 232-42		2
376	Method of hyperthermia and tumor size influence effectiveness of doxorubicin release from thermosensitive liposomes in experimental tumors. 2016 , 222, 47-55		45
375	Thermoradiotherapy planning: Integration in routine clinical practice. <i>International Journal of Hyperthermia</i> , 2016 , 32, 41-9	3-7	44
374	RF safety assessment of a bilateral four-channel transmit/receive 7 Tesla breast coil: SAR versus tissue temperature limits. 2017 , 44, 143-157		6
373	Quality assurance guidelines for superficial hyperthermia clinical trials: I. Clinical requirements. <i>International Journal of Hyperthermia</i> , 2017 , 33, 471-482	3-7	59
372	A thermoresponsive electromechanical microchip for temperature control in biomedical smart implants. 2017 ,		2
371	On the potential for RF heating in MRI to affect metabolic rates and FDG signal in PET/MR: simulations of long-duration, maximum normal mode heating. 2017 , 44, 589-596		1
370	Thermal Effects of Microwave and Radiofrequency Radiation. 2017 , 163-185		
369	Limiting heat loss during surgery in small animals. 2017 , 180, 495-497		1
368	A review of the evidence for threshold of burn injury. 2017 , 43, 1624-1639		33
367	Pre-operative Screening and Manual Drilling Strategies to Reduce the Risk of Thermal Injury During Minimally Invasive Cochlear Implantation Surgery. 2017 , 45, 2184-2195		4
366	Mild external heating and reduction in spontaneous contractions of the bladder. 2017 , 120, 724-730		1
365	Modeling and Experimental Analysis of Thermal Therapy during Short Pulse Laser Irradiation. 2017 , 243-259		
364	Thermal Skin Damage During Reirradiation and Hyperthermia Is Time-Temperature Dependent. 2017 , 98, 392-399		19
363	Facile construction of mitochondria-targeting nanoparticles for enhanced phototherapeutic effects. 2017 , 5, 1022-1031		18

362	The incidence of nerve root injury by high-speed drill can be reduced by chilled saline irrigation in a rabbit model. 2017 , 99-B, 554-560		8
361	Croconaine nanoparticles with enhanced tumor accumulation for multimodality cancer theranostics. 2017 , 129, 28-36		50
360	. 2017 , 65, 1795-1806		50
359	Integrated HIFU Drive System on a Chip for CMUT-Based Catheter Ablation System. 2017 , 11, 534-546		14
358	Microwave ablation of renal tumors: A narrative review of technical considerations and clinical results. 2017 , 98, 287-297		30
357	Equivalence of cell survival data for radiation dose and thermal dose in ablative treatments: analysis applied to essential tremor thalamotomy by focused ultrasound and gamma knife. <i>International Journal of Hyperthermia</i> , 2017 , 33, 401-410	3.7	8
356	Synergistic effects of heat and antibiotics on <i>Pseudomonas aeruginosa</i> biofilms. 2017 , 33, 855-866		18
355	Regulating Near-Infrared Photodynamic Properties of Semiconducting Polymer Nanotheranostics for Optimized Cancer Therapy. 2017 , 11, 8998-9009		199
354	Increasing Distribution of Drugs Released from In Situ Forming PLGA Implants Using Therapeutic Ultrasound. 2017 , 45, 2879-2887		9
353	Effect of Frequency and Focal Spacing on Transcranial Histotripsy Clot Liquefaction, Using Electronic Focal Steering. 2017 , 43, 2302-2317		15
352	Review of the progress toward achieving heat confinement-the holy grail of photothermal therapy. 2017 , 22, 80901		34
351	Transcutaneous Recharge: A Comparison of Numerical Simulation to In Vivo Experiments. 2017 , 20, 613-621		5
350	Cranial arterial patterns of the alpaca (<i>Camelidae</i> :). 2017 , 4, 160967		6
349	Blood and Heat Transfer. 2017 , 227-264		0
348	Real-time temperature monitoring and estimation of thermal damage in pancreas undergoing magnetic resonance-guided laser ablation: First in vivo study. 2017 ,		1
347	Efficacy of monopolar dielectric transmission radio frequency in panniculus adiposus and cellulite reduction. 2017 , 19, 422-426		4
346	3D radiobiological evaluation of combined radiotherapy and hyperthermia treatments. <i>International Journal of Hyperthermia</i> , 2017 , 33, 160-169	3.7	22
345	Nd ³⁺ activated CaF ₂ NPs as colloidal nanothermometers in the biological window. 2017 , 68, 29-34		35

344	Preclinical MRI-Guided Focused Ultrasound: A Review of Systems and Current Practices. 2017 , 64, 291-305		12
343	Three-Dimensional Microwave Hyperthermia for Breast Cancer Treatment in a Realistic Environment Using Particle Swarm Optimization. 2017 , 64, 1335-1344		30
342	Survey on Preclinical Methods to Assess Collateral Thermal Damage to Tissues Caused by Surgical Devices. 2017 , 19, 63-73		
341	Safety of Simultaneous Scalp or Intracranial EEG during MRI: A Review. 2017 , 5,		11
340	pH- and temperature-responsive nanosystems. 2017 , 281-315		
339	Albumin-Gold Nanorod Nanoplatfom for Cell-Mediated Tumoritropic Delivery with Homogenous ChemoDrug Distribution and Enhanced Retention Ability. <i>Theranostics</i> , 2017 , 7, 3034-3052	12.1	19
338	Flexible Medical Devices: Review of Controllable Stiffness Solutions. 2017 , 6, 23		95
337	Tumor Stiffening, a Key Determinant of Tumor Progression, is Reversed by Nanomaterial-Induced Photothermal Therapy. <i>Theranostics</i> , 2017 , 7, 329-343	12.1	45
336	New experimental model for single liver lobe hyperthermia in small animals using non-directional microwaves. 2017 , 12, e0184810		2
335	Effects of Low Intensity Continuous Ultrasound (LICU) on Mouse Pancreatic Tumor Explants. 2017 , 7, 1275		2
334	Mitochondrial fission contributes to heat-induced oxidative stress in skeletal muscle but not hyperthermia in mice. 2018 , 200, 6-14		16
333	Thermal shock susceptibility and regrowth of <i>Pseudomonas aeruginosa</i> biofilms. <i>International Journal of Hyperthermia</i> , 2018 , 34, 168-176	3.7	11
332	Photothermal Therapy Generates a Thermal Window of Immunogenic Cell Death in Neuroblastoma. 2018 , 14, e1800678		104
331	Analysis of clinical data to determine the minimum number of sensors required for adequate skin temperature monitoring of superficial hyperthermia treatments. <i>International Journal of Hyperthermia</i> , 2018 , 34, 910-917	3.7	12
330	Is Edema a Matter of Concern After Laser Ablation of Epileptogenic Focus?. 2018 , 113, 366-372.e3		5
329	Motion Correction in Proton Resonance Frequency-based Thermometry in the Liver. 2018 , 27, 53-61		9
328	Mechanical fractionation of tissues using microsecond-long HIFU pulses on a clinical MR-HIFU system. <i>International Journal of Hyperthermia</i> , 2018 , 34, 1213-1224	3.7	10
327	Principles of focused ultrasound. 2018 , 27, 41-50		13

326	Safety Aspects of Non-Thermal Plasmas. 2018 , 83-109		5
325	Three-Dimensional Printing of Cytocompatible, Thermally Conductive Hexagonal Boron Nitride Nanocomposites. 2018 , 18, 3488-3493		67
324	Establishment of a human intrapleural hyperthermic perfusion model and analysis of pleural malignancy treatment depth. 2018 , 138, 144-149		2
323	Transurethral high-intensity ultrasound for treatment of stress urinary incontinence (SUI): simulation studies with patient-specific models. <i>International Journal of Hyperthermia</i> , 2018 , 34, 1236-1247		4
322	Magnetic Particle Imaging-Guided Heating in Vivo Using Gradient Fields for Arbitrary Localization of Magnetic Hyperthermia Therapy. 2018 , 12, 3699-3713		204
321	Effect of applied voltage, duration and repetition frequency of RF pulses for pain relief on temperature spikes and electrical field: a computer modelling study. <i>International Journal of Hyperthermia</i> , 2018 , 34, 112-121	3.7	15
320	Measurement and analysis of the impact of time-interval, temperature and radiation dose on tumour cell survival and its application in thermoradiotherapy plan evaluation. <i>International Journal of Hyperthermia</i> , 2018 , 34, 30-38	3.7	21
319	SAR Simulations & Safety. 2018 , 168, 33-58		46
318	Technical aspects of osteoid osteoma ablation in children using MR-guided high intensity focussed ultrasound. <i>International Journal of Hyperthermia</i> , 2018 , 34, 49-58	3.7	18
317	An In Vitro and Numerical Study of Moxibustion Therapy on Biological Tissue. 2018 , 65, 779-788		8
316	Micromixing using swirling induced by three-dimensional dual surface acoustic waves (3D-dSAW). 2018 , 255, 3434-3440		25
315	Self-Assembly of Thermoresponsive Recombinant Silk-Elastinlike Nanogels. 2018 , 18, 1700192		11
314	Estimates for the acoustical stimulation and heating of multiphase biotissue. 2018 , 17, 717-725		1
313	Potential for thermal damage to the blood-brain barrier during craniotomy: implications for intracortical recording microelectrodes. 2018 , 15, 034001		18
312	Oxygenic Hybrid Semiconducting Nanoparticles for Enhanced Photodynamic Therapy. 2018 , 18, 586-594		234
311	A stepping micromotor based on ferrofluid bearing for side-viewing microendoscope applications. 2018 , 269, 258-268		11
310	Investigation of Thermal Distribution of Balloon Antenna MWA for Urethra Stricture Treatment. 2018 ,		
309	Low-Temperature Burn on Replanted Fingers and Free Flaps in Hand. 2018 , 81, 402-406		1

308	HIFU Drive System Miniaturization Using Harmonic Reduced Pulsewidth Modulation. 2018 , 65, 2407-2417		5
307	CIROFOMITE (Crystallization Inhibitor of Uric Acid in Synovial Fluid with Implanted Thermoregulator). 2018 ,		
306	A micro-pipette thermal sensing technique for measuring the thermal conductivity of non-volatile fluids. 2018 , 89, 114902		1
305	Magnetic Relaxation of Agglomerated and Immobilized Iron Oxide Nanoparticles for Hyperthermia and Imaging Applications. 2018 , 9, 1-5		10
304	Thermogenetic stimulation of single neocortical pyramidal neurons transfected with TRPV1-L channels. 2018 , 687, 153-157		5
303	Planar coil-based contact-mode magnetic stimulation: synaptic responses in hippocampal slices and thermal considerations. 2018 , 8, 13423		2
302	Voltagluce Bioadhesives Energized with Interdigitated 3D-Graphene Electrodes. 2018 , 7, e1800538		21
301	Comparison of effectiveness of epidural analgesia and monitored anesthesia care for high-intensity focused ultrasound treatment of adenomyosis. <i>International Journal of Hyperthermia</i> , 2018 , 35, 617-625 ^{3.7}		1
300	Feasibility of targeting canine soft tissue sarcoma with MR-guided high-intensity focused ultrasound. <i>International Journal of Hyperthermia</i> , 2019 , 35, 205-215	3.7	5
299	Combining Bulk Temperature and Nanoheating Enables Advanced Magnetic Fluid Hyperthermia Efficacy on Pancreatic Tumor Cells. 2018 , 8, 13210		37
298	Self-Healing and Adhesive Artificial Tissue Implant for Voice Recovery.. 2018 , 1, 1134-1146		16
297	Precisely Striking Tumors without Adjacent Normal Tissue Damage via Mitochondria-Templated Accumulation. 2018 , 12, 6252-6262		49
296	Biophysical and photobiological basics of water-filtered infrared-A hyperthermia of superficial tumors. <i>International Journal of Hyperthermia</i> , 2018 , 35, 26-36	3.7	21
295	Manipulating the mitochondria activity in human hepatic cell line Huh7 by low-power laser irradiation. 2018 , 9, 1283-1300		17
294	Magnetic Hyperthermia and Radiation Therapy: Radiobiological Principles and Current Practice. 2018 , 8,		81
293	Higher environmental temperatures promote acceleration of spermatogenesis in vivo in mice (<i>Mus musculus</i>). 2018 , 77, 14-23		9
292	Magnetic (Hyper)Thermia or Photothermia? Progressive Comparison of Iron Oxide and Gold Nanoparticles Heating in Water, in Cells, and In Vivo. 2018 , 28, 1803660		114
291	Transurethral Microwave Thermotherapy for Treatment of Benign Prostatic Hyperplasia. 2018 , 131-141		

290	Cellular Obstruction Clearance in Proximal Ventricular Catheters Using Low-Voltage Joule Heating. 2018 , 65, 2503-2511		1
289	Establishing sheep as an experimental species to validate ultrasound-mediated blood-brain barrier opening for potential therapeutic interventions. <i>Theranostics</i> , 2018 , 8, 2583-2602	12.1	21
288	Predicting lesion size by accumulated thermal dose in MR-guided focused ultrasound for essential tremor. 2018 , 45, 4704-4710		31
287	Influence of hyperthermal regimes on experimental teratoma development in vitro. 2018 , 99, 131-144		4
286	Managing Heat Stress Episodes in Confined Cattle. 2018 , 34, 325-339		11
285	Changes in the specific absorption rate (SAR) of radiofrequency energy in patients with retained cardiac leads during MRI at 1.5T and 3T. <i>Magnetic Resonance in Medicine</i> , 2019 , 81, 653-669	4.4	20
284	Three-dimensional biomimetic head model as a platform for thermal testing of protective goggles for prevention of eye injuries. 2019 , 64, 35-41		7
283	Immersed in Thermal Flows: Heat as Productive of and Produced by Social Practices. 2019 , 129-148		5
282	Thermotolerance of camel (<i>Camelus dromedarius</i>) somatic cells affected by the cell type and the dissociation method. 2019 , 26, 29490-29496		5
281	Safety and penetration of light into the brain. 2019 , 49-66		2
280	Thermal Effects Associated with RF Exposures in Diagnostic MRI: Overview of Existing and Emerging Concepts of Protection. 2019 , 2019, 1-17		9
279	Emission Spectroscopic Characterization of a Helium Atmospheric Pressure Plasma Jet with Various Mixtures of Argon Gas in the Presence and the Absence of De-Ionized Water as a Target. 2019 , 2, 283-293		5
278	A multi-segmented shape memory alloy-based actuator system for endoscopic applications. 2019 , 296, 92-100		16
277	Evaluating HIFU-mediated local drug release using thermal strain imaging: Phantom and preliminary in-vivo studies. 2019 , 46, 3864-3876		7
276	Development of temperature controller-integrated portable HIFU driver for thermal coagulation. 2019 , 18, 77		2
275	A new experimental model of muscle pain in humans based on short-wave diathermy. 2019 , 23, 1733-1742		2
274	Battery-free, fully implantable optofluidic cuff system for wireless optogenetic and pharmacological neuromodulation of peripheral nerves. 2019 , 5, eaaw5296		79
273	Numerical simulation of magnetic fluid hyperthermia based on multiphysics coupling and recommendation on preferable treatment conditions. 2019 , 19, 1031-1039		10

272	Temperature and thermal dose during radiotherapy and hyperthermia for recurrent breast cancer are related to clinical outcome and thermal toxicity: a systematic review. <i>International Journal of Hyperthermia</i> , 2019 , 36, 1024-1039	3-7	39
271	Predicting high-intensity focused ultrasound thalamotomy lesions using 2D magnetic resonance thermometry and 3D Gaussian modeling. 2019 , 46, 5722-5732		6
270	Comparison of block and pulsed radiofrequency of the ganglion impar in coccygodynia. 2019 , 49, 1555-1559		8
269	A Photo-Stable Indocyanine Green and Rapamycin Co-Delivery System Based on Poly(Glutamic Acid)-Modified Manganese Phosphate for Synergetic Tumor Therapy. 2019 , 5, 1477-1487		1
268	Temperature control in TTFIELDS therapy of GBM: impact on the duty cycle and tissue temperature. 2019 , 64, 225008		8
267	Finite Element Method Guided Measurement of Temperature Profile in Tissue Exposed to a Transcutaneous Energy Transfer System. 2019 ,		
266	Using the body to self-cool a 10 W transcutaneous energy transfer system. 2019 ,		
265	Flexible and Lightweight Devices for Wireless Multi-Color Optogenetic Experiments Controllable via Commercial Cell Phones. 2019 , 13, 819		13
264	Role of Simulations in the Treatment Planning of Radiofrequency Hyperthermia Therapy in Clinics. 2019 , 2019, 9685476		10
263	Histopathological evaluation of prostate specimens after thermal ablation may be confounded by the presence of thermally-fixed cells. <i>International Journal of Hyperthermia</i> , 2019 , 36, 915-925	3-7	0
262	Efficient shear wave elastography using transient acoustic radiation force excitations and MR displacement encoding. <i>Magnetic Resonance in Medicine</i> , 2019 , 81, 3153-3167	4-4	2
261	Liver Tumor Spheroid Reconstitution for Testing Mitochondrial Targeted Magnetic Hyperthermia Treatment. 2019 , 5, 1635-1644		8
260	Relationship between thermal dose and cell death for "rapid" ablative and "slow" hyperthermic heating. <i>International Journal of Hyperthermia</i> , 2019 , 36, 229-243	3-7	15
259	Targeted laser therapy synergistically enhances efficacy of antibiotics against multi-drug resistant <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> biofilms. 2019 , 20, 102018		20
258	Externally Addressable Smart Drug Delivery Vehicles: Current Technologies and Future Directions. 2019 , 31, 4971-4989		41
257	Magnetic hyperthermia adjunctive therapy for fungi: studies against. <i>International Journal of Hyperthermia</i> , 2019 , 36, 545-553	3-7	4
256	Deployable cylindrical phased-array applicator mimicking a concentric-ring configuration for minimally-invasive delivery of therapeutic ultrasound. 2019 , 64, 125001		4
255	Radiofrequency-Sensitive Longitudinal Relaxation Tuning Strategy Enabling the Visualization of Radiofrequency Ablation Intensified by Magnetic Composite. 2019 , 11, 11251-11261		19

254	NIR light-responsive short peptide/2D NbSe ₂ nanosheets composite hydrogel with controlled-release capacity. 2019 , 7, 3134-3142		15
253	A Thermal Aware Routing Algorithm for a Wireless Body Area Network. 2019 , 105, 1353-1380		17
252	Concurrent Thermochemoradiotherapy in Glioblastoma Treatment: Preliminary Results. 2019 ,		
251	Human Cardiac Magnetic Resonance at Ultrahigh Fields. 2019 , 142-160.e4		
250	Endobronchial high-intensity ultrasound for thermal therapy of pulmonary malignancies: simulations with patient-specific lung models. <i>International Journal of Hyperthermia</i> , 2019 , 36, 1108-1127	3.7	6
249	Feasibility and safety assessment of magnetic resonance-guided high-intensity focused ultrasound (MRgHIFU)-mediated mild hyperthermia in pelvic targets evaluated using an porcine model. <i>International Journal of Hyperthermia</i> , 2019 , 36, 1147-1159	3.7	8
248	Optimization of the order and spacing of sequences in an MRI exam to reduce the maximum temperature and thermal dose. <i>Magnetic Resonance in Medicine</i> , 2019 , 81, 2161-2166	4.4	2
247	The utility of bone scintigraphy with SPECT/CT in the evaluation and management of frostbite injuries. 2019 , 92, 20180545		6
246	Near-infrared light control of bone regeneration with biodegradable photothermal osteoimplant. 2019 , 193, 1-11		97
245	3D Manipulation of an Active Steerable Needle via Actuation of Multiple SMA Wires. 2020 , 38, 410-426		6
244	Light-induced modulation of the mitochondrial respiratory chain activity: possibilities and limitations. 2020 , 77, 2815-2838		17
243	Assembling a thermal rhythm analysis: Energetic flows, heat stress and polyrhythmic interactions in the context of climate change. 2020 , 108, 275-285		10
242	Identifying the Role of Block Length in Neural Heat Block to Reduce Temperatures During Infrared Neural Inhibition. 2020 , 52, 259-275		5
241	Defining Thermally Safe Laser Lithotripsy Power and Irrigation Parameters: Model. <i>Journal of Endourology</i> , 2020 , 34, 76-81	2.7	13
240	Association of Liver Tissue Optical Properties and Thermal Damage. 2020 , 52, 779-787		16
239	Electrothermally Driven Hydrogel-on-Flex-Circuit Actuator for Smart Steerable Catheters. 2020 , 11,		6
238	Thermal therapy monitoring using elastography. 2020 , 135-155		1
237	Effects of Tonic Spinal Cord Stimulation on External Mechanical and Thermal Stimuli Perception Using Quantitative Sensory Testing: A Multicenter Stimulation ON-OFF Study on Chronic Pain Patients. 2020 , 36, 189-196		4

236	Urodynamic assessment of bladder storage function after radical hysterectomy for cervical cancer. 2020 , 133, 2274-2280		1
235	Cold Atmospheric Plasma Treatment for Pancreatic Cancer-The Importance of Pancreatic Stellate Cells. <i>Cancers</i> , 2020 , 12,	6.6	5
234	Characterization of magnetic resonance-guided high-intensity focused ultrasound (MRgHIFU)-induced large-volume hyperthermia in deep and superficial targets in a porcine model. <i>International Journal of Hyperthermia</i> , 2020 , 37, 1159-1173	3.7	2
233	Thermal dose as a universal tool to evaluate nanoparticle-induced photothermal therapy. 2020 , 587, 119657		6
232	Hyperthermia can alter tumor physiology and improve chemo- and radio-therapy efficacy. 2020 , 163-164, 98-124		32
231	Closed-Loop Temperature Control Based on Fiber Bragg Grating Sensors for Laser Ablation of Hepatic Tissue. 2020 , 20,		14
230	Thermogenetics as a New Direction in Controlling the Activity of Neural Networks. 2020 , 50, 1018-1023		3
229	Engineering Materials at the Nanoscale for Triboelectric Nanogenerators. 2020 , 1, 100142		59
228	Temperature effect on the PpIX production during the use of topical precursors. 2020 , 30, 101786		0
227	Numerical modelling of temperature increase induced by transcutaneous Spinal Direct Current Stimulation (tsDC). 2020 ,		
226	. 2020 , 3, 466-469		3
225	A simulated model for fluid and tissue heating during pediatric laser lithotripsy. 2020 , 16, 626.e1-626.e8		3
224	Thermochromic Tissue Phantoms for Evaluating Temperature Distribution in Simulated Clinical Applications of Pulsed Electric Field Therapies. 2020 , 2, 362-371		
223	Microglia Activation and Inflammation During the Death of Mammalian Photoreceptors. 2020 , 6, 149-169		7
222	wIRA-heating of piglet skin and subcutis : proof of accordance with ESHO criteria for superficial hyperthermia. <i>International Journal of Hyperthermia</i> , 2020 , 37, 887-896	3.7	2
221	An Insight to the Role of Thermal Effects on the Onset of Atrioesophageal Fistula: A Computer Model of Open-Irrigated Radiofrequency Ablation. 2020 , 11, 481-493		2
220	Design of Silicon Photonic Structures for Multi-Site, Multi-Spectral Optogenetics in the Deep Brain. 2020 , 12, 1-7		1
219	Evaluation of human brain hyperthermia using exergy balance equation. 2020 , 93, 102723		

218	An incoherent HIFU transducer for treatment of the medial branch nerve: Numerical study and in vivo validation. <i>International Journal of Hyperthermia</i> , 2020 , 37, 1219-1228	3-7	2
217	An overview of mathematical models and modulated-heating protocols for thermal ablation. 2020 , 52, 489-541		3
216	Electro-thermal therapy: Microsecond duration pulsed electric field tissue ablation with dynamic temperature control algorithms. 2020 , 121, 103807		4
215	Bilayer Hydrogel Sheet-Type Intraocular Microrobot for Drug Delivery and Magnetic Nanoparticles Retrieval. 2020 , 9, e2000118		21
214	Mathematical modeling of the thermal effects of irreversible electroporation for , , and clinical use: a systematic review. <i>International Journal of Hyperthermia</i> , 2020 , 37, 486-505	3-7	20
213	Mammalian cell sensitivity to hyperthermia in various cell lines: a new universal and predictive description. <i>International Journal of Hyperthermia</i> , 2020 , 37, 506-516	3-7	6
212	Acoustic streaming effect on flow and heat transfer in porous tissue during exposure to focused ultrasound. 2020 , 21, 100670		9
211	Cancer cells resist hyperthermia due to its obstructed activation of caspase 3. 2020 , 25, 323-326		4
210	Poly(dl-Lactic Acid)-Based Linear Polyurethanes Capable of Forming Physical Crosslinking via UPy Quadruple Hydrogen Bonding Assembly. 2020 , 305, 2000042		2
209	Continuous, noninvasive wireless monitoring of flow of cerebrospinal fluid through shunts in patients with hydrocephalus. 2020 , 3, 29		14
208	Optical Focusing beyond the Diffraction Limit via Vortex-Assisted Transient Microlenses. 2020 , 7, 914-918		5
207	Amplitude Modulation Method for Acoustic Radiation Force Impulse Excitation. 2020 , 69, 2429-2438		1
206	Thermal distribution, physiological effects and toxicities of extracorporeally induced whole-body hyperthermia in a pig model. 2020 , 8, e14366		2
205	Ultrasound-Enhanced Chemiluminescence for Bioimaging. 2020 , 8, 25		7
204	Feasibility study of MR-guided pancreas ablation using high-intensity focused ultrasound in a healthy swine model. <i>International Journal of Hyperthermia</i> , 2020 , 37, 786-798	3-7	3
203	Spatial mapping of tissue properties in vivo reveals a 3D stiffness gradient in the mouse limb bud. 2020 , 117, 4781-4791		33
202	pH-Sensitive nanotheranostics for dual-modality imaging guided nanoenzyme catalysis therapy and phototherapy. 2020 , 8, 4859-4869		17
201	Comments on Thermal effect of holmium laser lithotripsy under ureteroscopy. 2020 , 133, 86-87		1

200	Moderate hyperthermic heating encountered during thermal ablation increases tumor cell activity. <i>International Journal of Hyperthermia</i> , 2020 , 37, 119-129	3.7	13
199	Mild magnetic nanoparticle hyperthermia enhances the susceptibility of biofilm to antibiotics. <i>International Journal of Hyperthermia</i> , 2020 , 37, 66-75	3.7	21
198	Heat transfer analysis in an uncoiled model of the cochlea during magnetic cochlear implant surgery. 2020 , 154, 119683-119683		2
197	Therapeutic ultrasound experiments in vitro: Review of factors influencing outcomes and reproducibility. 2020 , 107, 106167		15
196	A Soft, Biocompatible Magnetic Field Enabled Wireless Surgical Lighting Paddy for Neurosurgery. 2020 , 10, 2001		4
195	Green Light-Based Photobiomodulation with an Implantable and Biodegradable Fiber for Bone Regeneration. 2020 , 4, 1900879		7
194	Dual-sectored transurethral ultrasound for thermal treatment of stress urinary incontinence: in silico studies in 3D anatomical models. 2020 , 58, 1325-1340		0
193	Guidelines for Limiting Exposure to Electromagnetic Fields (100 kHz to 300 GHz). <i>Health Physics</i> , 2020 , 118, 483-524	2.3	389
192	MRI-Related Heating of Implants and Devices: A Review. 2021 , 53, 1646-1665		26
191	Modelling of the Temperature Changes Induced by Transcutaneous Spinal Direct Current Stimulation (tsDCS). 2021 , 5, 9-16		0
190	Stray energy transfer in single-incision robotic surgery. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2021 , 35, 2981-2985	5.2	0
189	Brain and Human Body Modeling 2020. 2021 ,		2
188	Multi-Tissue Analysis on the Impact of Electroporation on Electrical and Thermal Properties. 2021 , 68, 771-782		6
187	Design of Hyperthermia Applicator to Heat Multi-Brain Tumors Simultaneously Based on Adaptive Beamforming Technique. 2021 , 5, 115-123		1
186	Magnetic Resonance Guided Navigation of Untethered Microgrippers. 2021 , 10, e2000869		6
185	Temperature profiles of calyceal irrigation fluids during flexible ureteroscopic Ho:YAG laser lithotripsy. 2021 , 53, 415-419		3
184	A computational investigation of strain concentration in the brain in response to a rapid temperature rise. 2021 , 115, 104228		4
183	Effect of Chilled Irrigation on Caliceal Fluid Temperature and Time to Thermal Injury Threshold During Laser Lithotripsy: Model. <i>Journal of Endourology</i> , 2021 , 35, 700-705	2.7	6

182	Inorganic Nanomaterials for Photothermal-Based Cancer Theranostics. 2021 , 4, 2000207		5
181	Quantitative prediction of the extent of pelvic tumour ablation by magnetic resonance-guided high intensity focused ultrasound. <i>International Journal of Hyperthermia</i> , 2021 , 38, 1111-1125	3-7	
180	Hyperspectral Imagery for Assessing Laser-Induced Thermal State Change in Liver. 2021 , 21,		6
179	Effect of gastrointestinal gas on the temperature distribution in pancreatic cancer hyperthermia treatment planning. <i>International Journal of Hyperthermia</i> , 2021 , 38, 229-240	3-7	0
178	Exploring the rationale for thermotherapy in COVID-19. <i>International Journal of Hyperthermia</i> , 2021 , 38, 202-212	3-7	3
177	activity of hyperthermia on swarming motility and antimicrobial susceptibility profiles of isolates. <i>International Journal of Hyperthermia</i> , 2021 , 38, 1002-1012	3-7	3
176	Closed-loop trans-skull ultrasound hyperthermia leads to improved drug delivery from thermosensitive drugs and promotes changes in vascular transport dynamics in brain tumors. <i>Theranostics</i> , 2021 , 11, 7276-7293	12.1	7
175	Safety evaluation of long-term temperature controlled whole-body thermal treatment in female Aachen minipig. <i>International Journal of Hyperthermia</i> , 2021 , 38, 165-175	3-7	2
174	A review of intervention methods used to reduce flying-fox mortalities in heat stress events. 2021 , 43, 137		2
173	Sensing non-light-absorbing media via thermally modulated photoacoustic measurements. 2021 , 118, 023701		1
172	Implications of mmWave Radiation on Human Health: State of the Art Threshold Levels. 2021 , 9, 13009-13021		2
171	Deep-tissue localization of magnetic field hyperthermia using pulse sequencing. <i>International Journal of Hyperthermia</i> , 2021 , 38, 743-754	3-7	2
170	Non-Thermal, Selective Cancer Treatment With High-Frequency Medium-Intensity Focused Ultrasound.. 2021 , 9, 122051-122066		0
169	Review on the advancements of magnetic gels: towards multifunctional magnetic liposome-hydrogel composites for biomedical applications. 2021 , 288, 102351		9
168	Iterative time-reversal for multi-frequency hyperthermia. 2021 , 66, 045027		10
167	Radiofrequency Electromagnetic Fields. 1-32		
166	Wireless and battery-free technologies for neuroengineering. 2021 ,		26
165	Thermal exposure of implant osteotomies and its impact on osseointegration-A preclinical in vivo study. 2021 , 32, 672-683		0

164	Combining target coverage and hot-spot suppression into one cost function: the hot-to-cold spot quotient. 2021 ,		3
163	Soft, Wireless and subdermally implantable recording and neuromodulation tools. 2021 ,		4
162	Modulating the Heat Stress Response to Improve Hyperthermia-Based Anticancer Treatments. <i>Cancers</i> , 2021 , 13,	6.6	7
161	Group Refractive Index of Nanocrystalline Yttria-Stabilized Zirconia Transparent Cranial Implants. 2021 , 9, 619686		
160	Continuous versus Intermittent Application of Electric Fields during TTFIELDS for Glioblastoma Treatment. 2021 ,		
159	Sub-minute prediction of brain temperature based on sleep-wake state in the mouse. 2021 , 10,		4
158	The Role of Skeletal Muscles in Exertional Heat Stroke Pathophysiology. 2021 , 42, 673-681		2
157	Towards a Wristed Percutaneous Robot With Variable Stiffness for Pericardiocentesis. 2021 , 6, 2993-3000		1
156	Finite element simulation and integration of CEM43 °C and Arrhenius Models for ultrasonic-assisted skull bone grinding: A thermal dose model. 2021 , 90, 9-22		5
155	Focused ultrasound radiosensitizes human cancer cells by enhancement of DNA damage. 2021 , 197, 730-743		4
154	Predicting final lesion characteristics during MR-guided focused ultrasound pallidotomy for treatment of Parkinson disease. 2020 , 134, 1083-1090		7
153	Simultaneous CMOS-Based Imaging of Calcium Signaling of the Central Amygdala and the Dorsal Raphe Nucleus During Nociception in Freely Moving Mice. 2021 , 15, 667708		2
152	Low-intensity ultrasound restores long-term potentiation and memory in senescent mice through pleiotropic mechanisms including NMDAR signaling. 2021 ,		5
151	The Effects of Localized Heat on the Hallmarks of Cancer. 2021 , 4, 2000267		3
150	An implantable optogenetic stimulator wirelessly powered by flexible photovoltaics with near-infrared (NIR) light. 2021 , 180, 113139		6
149	Transcervical microwave ablation in type 2 uterine fibroids via a hysteroscopic approach: analysis of ablation profiles. 2021 , 7,		0
148	In situ printing of scaffolds for reconstruction of bone defects. 2021 , 127, 313-326		12
147	Radiobiological Evaluation of Combined Gamma Knife Radiosurgery and Hyperthermia for Pediatric Neuro-Oncology. <i>Cancers</i> , 2021 , 13,	6.6	1

146	Temperature Assessment of a Novel Pulsed Thulium Solid-State Laser Compared with a Holmium:Yttrium-Aluminum-Garnet Laser. <i>Journal of Endourology</i> , 2021 , 35, 853-859	2.7	1
145	Feedback-controlled thermal therapy of tissues based on fiber Bragg grating thermometers. 2021 ,		
144	A Side-Viewing Endoscopic Probe With Distal Micro Rotary Scanner for Multimodal Luminal Imaging and Analysis. 2021 , 30, 433-441		0
143	AAPM Task Group 241: A medical physicist's guide to MRI-guided focused ultrasound body systems. 2021 , 48, e772-e806		2
142	Transferred Cold Atmospheric Plasma Treatment on Melanoma Skin Cancer Cells with/without Catalase Enzyme In Vitro. 2021 , 11, 6181		0
141	Pelvic/iceal Volume and Fluid Temperature Elevation During Laser Lithotripsy. <i>Journal of Endourology</i> , 2021 ,	2.7	4
140	Using focal cooling to link neural dynamics and behavior. 2021 , 109, 2508-2518		2
139	Inhibition of swarming motility using in vitro hyperthermia. 2021 , 100, 102955		1
138	Rapid safety assessment and mitigation of radiofrequency induced implant heating using small root mean square sensors and the sensor matrix Q. <i>Magnetic Resonance in Medicine</i> , 2022 , 87, 509-527	4.4	1
137	External Basic Hyperthermia Devices for Preclinical Studies in Small Animals. <i>Cancers</i> , 2021 , 13,	6.6	6
136	Suitability of eigenvalue beam-forming for discrete multi-frequency hyperthermia treatment planning. 2021 , 48, 7410-7426		2
135	Theoretical Evaluation of Microwave Ablation Applied on Muscle, Fat and Bone: A Numerical Study. 2021 , 11, 8271		1
134	Environment Responsive Metal-Organic Frameworks as Drug Delivery System for Tumor Therapy. 2021 , 16, 140		2
133	Experimental Validation of a Three-Dimensional Heat Transfer Model Within the Scala Tympani With Application to Magnetic Cochlear Implant Surgery. 2021 , 68, 2821-2832		1
132	Chilled irrigation for control of temperature elevation during ureteroscopic laser lithotripsy: in vivo porcine model. <i>Journal of Endourology</i> , 2021 ,	2.7	1
131	Biaxial mechanics of thermally denaturing skin - Part 1: Experiments. 2021 , 140, 412-412		0
130	Variable Molecular Weight Polymer Nanoparticles for Detection and Hyperthermia-Induced Chemotherapy of Colorectal Cancer. <i>Cancers</i> , 2021 , 13,	6.6	1
129	Genetically Encoded Protein Thermometer Enables Precise Electrothermal Control of Transgene Expression. 2021 , 8, e2101813		4

128	A three-dimensional thermal model of the human cochlea for magnetic cochlear implant surgery. 2021 , 178, 121553		0
127	. 2021 , 56, 2913-2923		1
126	A combined modelling and experimental study of heat shock factor SUMOylation in response to heat shock. 2021 , 530, 110877		
125	Treatment planning facilitates clinical decision making for hyperthermia treatments. <i>International Journal of Hyperthermia</i> , 2021 , 38, 532-551	3.7	5
124	PID Controlling Approach Based on FBG Array Measurements for Laser Ablation of Pancreatic Tissues. 2021 , 70, 1-9		2
123	In silico assessment of collateral eddy current heating in biocompatible implants subjected to magnetic hyperthermia treatments. <i>International Journal of Hyperthermia</i> , 2021 , 38, 846-861	3.7	3
122	Photothermal therapies to improve immune checkpoint blockade for cancer. <i>International Journal of Hyperthermia</i> , 2020 , 37, 34-49	3.7	11
121	magnetic nanoparticle hyperthermia: a review on preclinical studies, low-field nano-heaters, noninvasive thermometry and computer simulations for treatment planning. <i>International Journal of Hyperthermia</i> , 2020 , 37, 76-99	3.7	23
120	Three-dimensional tissue stiffness mapping in the mouse embryo supports durotaxis during early limb bud morphogenesis.		3
119	Thermographic analysis of photodynamic therapy with intense pulsed light and needle-free injection photosensitizer delivery: an animal study. 2018 ,		1
118	Interstitial magnetic thermotherapy dosimetry based on shear wave magnetomotive optical coherence elastography. 2019 , 10, 539-551		9
117	Tumor selective hyperthermia induced by short-wave capacitively-coupled RF electric-fields. 2013 , 8, e68506		52
116	Multiparametric MRI analysis for the identification of high intensity focused ultrasound-treated tumor tissue. 2014 , 9, e99936		22
115	Avoiding thermal injury during near-infrared photoimmunotherapy (NIR-PIT): the importance of NIR light power density. 2017 , 8, 113194-113201		20
114	Instant Stress: Detection of Perceived Mental Stress Through Smartphone Photoplethysmography and Thermal Imaging. 2019 , 6, e10140		22
113	Therapeutic exercise and radiofrequency in the rehabilitation project for hip osteoarthritis pain. 2020 , 56, 451-458		5
112	Using a Qualitative Phenomenological Approach to Inform the Etiology and Prevention of Occupational Heat-Related Injuries in Australia. 2020 , 17,		5
111	Magnetic Micromanipulation for Measurement of Stiffness Heterogeneity and Anisotropy in the Mouse Mandibular Arch. 2020 , 2020, 7914074		6

110	Modulated-Power Implantable Neuromodulation Devices and Their Impact on Surrounding Tissue Temperatures. 2016 , 09, 545-562	3
109	The Performance of a Novel Latching-Type Electromagnetic Actuator for Single-Port Laparoscopic Surgery. 2019 , 10, 1659-1673	2
108	HSP90 inhibition acts synergistically with heat to induce a pro-immunogenic form of cell death in colon cancer cells. <i>International Journal of Hyperthermia</i> , 2021 , 38, 1443-1456	3-7 1
107	Assessment of Human Exposure to Electromagnetic Fields: Review and Future Directions. 2021 , 63, 1619-1630	17
106	Perches as Cooling Devices for Reducing Heat Stress in Caged Laying Hens: A Review. 2021 , 11,	3
105	Vital signal sensing and manipulation of a microscale organ with a multifunctional soft gripper. 2021 , 6, eabi6774	8
104	Image-Guided Thermal Therapy. 2013 , 689-726	
103	Heating of infusion fluids through heated breathing circuits. 2017 , 12, 28-31	
102	Short Pulse Laser Based Thermal Therapy. 2017 , 23-39	
101	Pre-clinical validation of transrectal diffuse optical tomography for monitoring photocoagulation progression during photothermal therapy of prostate cancer. 2019 ,	
100	A Thermal Study of Tumor-Treating Fields for Glioblastoma Therapy. 2021 , 37-62	2
99	A Sub-Minute Resolution Prediction of Brain Temperature Based on Sleep-Wake State in the Mouse.	1
98	Engineered Red Blood Cell Biomimetic Nanovesicle with Oxygen Self-Supply for Near-Infrared-II Fluorescence-Guided Synergetic Chemo-Photodynamic Therapy against Hypoxic Tumors. 2021 ,	6
97	Assessment of the efficiency of different chemical treatments and ultrasonic cleaning for defatting of cancellous bone samples. 2021 , 1	0
96	Temperature Dynamics in Rat Brains Exposed to Near-Field Waveguide Outputs at 2.8 GHz. 2021 ,	1
95	A Hydrogel Ionic Circuit Based High-Intensity Iontophoresis Device for Intraocular Macromolecule and Nanoparticle Delivery. 2021 , e2107315	3
94	Toward a Patient-Specific Image Data-Driven Predictive Modeling Framework for Guiding Microwave Ablative Therapy. 2020 , 198-207	
93	Parameterizing the Effects of Tumor Shape in Magnetic Nanoparticle Thermotherapy Through a Computational Approach. 2021 ,	0

92	Optical plasmonic star-shaped nanoprobe for intracellular sensing and imaging. 2021 , 53, 1		0
91	MRI-Guided Therapy. 2020 , 65, 1427-1435		1
90	The development of microfabricated solenoids with magnetic cores for micromagnetic neural stimulation. <i>Microsystems and Nanoengineering</i> , 2021 , 7, 91	7.7	3
89	Dual Photothermal/Chemotherapy of Melanoma Cells with Albumin Nanoparticles Carrying Indocyanine Green and Doxorubicin Leads to Immunogenic Cell Death. 2021 , e2100353		2
88	Flexible optoelectric neural interfaces. 2021 , 72, 121-130		1
87	Functional Monitoring and Imaging in Deep Brain Structures. 2021 , 1-32		
86	Laser-Induced Thermal Treatment of Superficial Human Tumors: An Advanced Heating Strategy and Non-Arrhenius Law for Living Tissues. 2022 , 1,		1
85	Hazard identification for consumer-grade Head-Mounted Displays (HMDs). 2021 ,		
84	Constraint Removal for MPC with Performance Preservation and a Hyperthermia Cancer Treatment Case Study. 2021 ,		0
83	Clinical Evidence for Thermometric Parameters to Guide Hyperthermia Treatment.. <i>Cancers</i> , 2022 , 14,	6.6	0
82	Trans-Spinal Focused Ultrasound Stimulation Selectively Modulates Descending Motor Pathway.. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2022 , PP,	4.8	0
81	Fast Adaptive Temperature-Based Re-Optimization Strategies for On-Line Hot Spot Suppression during Locoregional Hyperthermia.. <i>Cancers</i> , 2021 , 14,	6.6	1
80	How Safe is Plasma Treatment in Clinical Applications?. 2022 , 99-126		0
79	Theranostic nanoparticles for the management of thrombosis.. <i>Theranostics</i> , 2022 , 12, 2773-2800	12.1	0
78	Is Tecar Therapy Effective on Biceps Femoris and Quadriceps Rehabilitation? A Cadaveric Study.. <i>Journal of Sport Rehabilitation</i> , 2022 , 1-8	1.7	0
77	How Does Cold Plasma Work in Medicine?. 2022 , 63-86		0
76	Progress in Understanding Radiofrequency Heating and Burn Injuries for Safer MR Imaging.. <i>Magnetic Resonance in Medical Sciences</i> , 2022 ,	2.9	0
75	Efficacy of Radiofrequency as Therapy and Diagnostic Support in the Management of Musculoskeletal Pain: A Systematic Review and Meta-Analysis.. <i>Diagnostics</i> , 2022 , 12,	3.8	0

74	Laser operator duty cycle effect on temperature and thermal dose: in-vitro study.. <i>World Journal of Urology</i> , 2022 , 1	4	0
73	Thermal-Corrosion-Free Electrode-Integrated Cell Chip for Promotion of Electrically Stimulated Neurite Outgrowth. <i>Biochip Journal</i> , 2022 , 16, 99-110	4	1
72	Accurate Three-Dimensional Thermal Dosimetry and Assessment of Physiologic Response Are Essential for Optimizing Thermoradiotherapy.. <i>Cancers</i> , 2022 , 14,	6.6	3
71	Effects of Non-Invasive Radiofrequency Diathermy in Pelvic Floor Disorders: A Systematic Review.. <i>Medicina (Lithuania)</i> , 2022 , 58,	3.1	0
70	Does the Novel Thulium Fiber Laser Have a Higher Risk of Urothelial Thermal Injury than the Conventional Holmium Laser in an In Vitro Study?. <i>Journal of Endourology</i> , 2022 ,	2.7	0
69	Deep regional hyperthermia combined with modern concurrent chemoradiotherapy increases T-downstaging rate in locally advanced rectal cancer.. <i>International Journal of Hyperthermia</i> , 2022 , 39, 431-436	3.7	
68	Hardware-Efficient Compression of Neural Multi-Unit Activity Using Machine Learning Selected Static Huffman Encoders.		0
67	Generated temperatures and thermal laser damage during upper tract endourological procedures using the holmium: yttrium-aluminum-garnet (Ho:YAG) laser: a systematic review of experimental studies.. <i>World Journal of Urology</i> , 2022 , 1	4	0
66	High-voltage long-duration pulsed radiofrequency attenuates neuropathic pain in CCI rats by inhibiting Cav2.2 in spinal dorsal horn and dorsal root ganglion.. <i>Brain Research</i> , 2022 , 1785, 147892	3.7	
65	Safety of MRI in patients with retained cardiac leads.. <i>Magnetic Resonance in Medicine</i> , 2021 ,	4.4	0
64	A standard test phantom for the performance assessment of magnetic resonance guided high intensity focused ultrasound (MRgHIFU) thermal therapy devices.. <i>International Journal of Hyperthermia</i> , 2022 , 39, 57-68	3.7	1
63	Non-thermal Electroporation Ablation of Epileptogenic Zones Stops Seizures in Mice While Providing Reduced Vascular Damage and Accelerated Tissue Recovery.. <i>Frontiers in Behavioral Neuroscience</i> , 2021 , 15, 774999	3.5	0
62	Ultrasounds in cancer therapy: A summary of their use and unexplored potential.. <i>Oncology Reviews</i> , 2022 , 16, 531	4.3	0
61	Enhanced Therapeutic Effect of Liposomal Doxorubicin Bio-Orthogonal Chemical Reactions in Tumors.. <i>Molecular Pharmaceutics</i> , 2022 ,	5.6	0
60	Ho:YAG laser and temperature: is it safe to use high-power settings?. <i>World Journal of Urology</i> , 2022 , 1	4	0
59	Data_Sheet_1.pdf. 2019 ,		
58	Video_1.MP4. 2019 ,		
57	Video_2.MP4. 2019 ,		

56	Scale Effects on Performance of BLDC Micromotors for Internal Biomedical Applications: a Finite Element Analysis. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2022 ,	1.3	3
55	Cutaneous steam burns and steam inhalation injuries: a literature review and a case presentation. <i>European Journal of Plastic Surgery</i> ,	0.6	0
54	Clinical Intervention Using Focused Ultrasound (FUS) Stimulation of the Brain in Diverse Neurological Disorders. <i>Frontiers in Neurology</i> , 2022 , 13,	4.1	1
53	Potential Application of CEM43 °C and Arrhenius Model in Neurosurgical Bone Grinding. <i>Materials Forming, Machining and Tribology</i> , 2022 , 145-158	0.5	0
52	Analysis of ICNIRP 2020 Basic Restrictions for Localized Radiofrequency Exposure in the Frequency Range Above 6 GHz. <i>Health Physics</i> , 21 , Publish Ahead of Print,	2.3	
51	Robotic stray energy with constant-voltage versus constant-power regulating electrosurgical generators. <i>Surgical Endoscopy and Other Interventional Techniques</i> ,	5.2	
50	Temperature assessment study of ex vivo holmium laser enucleation of the prostate model. <i>World Journal of Urology</i> ,	4	
49	Tissue engineering approaches for the in vitro production of spermatids to treat male infertility: A review. <i>European Polymer Journal</i> , 2022 , 111318	5.2	0
48	A PEDOT nano-composite for hyperthermia and elimination of urological bacteria. 2022 , 212994		0
47	Efficacy and hazards of 425 nm oral cavity light dosing to inactivate SARS-CoV-2. <i>Journal of Dentistry</i> , 2022 , 104203	4.8	
46	IoT based thermal aware routing protocols in wireless body area networks: Survey: IoT based thermal aware routing in WBAN. <i>IET Communications</i> ,	1.3	1
45	Enhancing metabolic activity and differentiation potential in adipose mesenchymal stem cells via high-resolution surface-acoustic-wave contactless patterning. <i>Microsystems and Nanoengineering</i> , 2022 , 8,	7.7	1
44	Wireless Neuromodulation at Submillimeter Precision via a Microwave Split-Ring Resonator.		
43	Characterization of fluid dynamics and temperature profiles during ureteroscopy with laser activation in a model ureter		0
42	Anti-Fn14-Conjugated Prussian Blue Nanoparticles as a Targeted Photothermal Therapy Agent for Glioblastoma. 2022 , 12, 2645		2
41	Assessment of intrarenal temperature dynamics when using holmium and thulium: YAG lasers in an ex vivo porcine kidney model. 2022 ,		
40	Effect of shock-flame interactions on initial damage characteristics in highway tunnel under hazmat tanker truck accident. 2022 , 130, 104763		0
39	The Design and Analysing Heating Effect of Spiral Planar Coil in COMSOL Multiphysics for Implantable Artificial Retina. 2022 ,		0

38	A patterns of care analysis of hyperthermia in combination with radio(chemo)therapy or chemotherapy in European clinical centers.	0
37	Chitosan-Based Scaffolds for Facilitated Endogenous Bone Re-Generation. 2022 , 15, 1023	3
36	The Role of Intraperitoneal Intraoperative Chemotherapy with Paclitaxel in the Surgical Treatment of Peritoneal Carcinomatosis from Ovarian Cancer. Hyperthermia versus Normothermia: A Randomized Controlled Trial. 2022 , 11, 5785	0
35	Temperature analysis of 3D-printed biomaterials during unipolar and bipolar radiofrequency ablation procedure. 9,	1
34	Evaluation of Active Warming and Surgical Draping for Perioperative Thermal Support in Laboratory Mice. 2022 , 61, 482-494	0
33	Short-pulsed micro-magnetic stimulation of the vagus nerve. 13,	0
32	Transcranial Non-genetic Neuromodulation Via Bioinspired Vesicle-Enabled Precise NIR-II Optical-stimulation. 2208601	0
31	Estimation of Heat Diffusion in Human Tissue at Adverse Temperatures Using the Cylindrical Form of Bioheat Equation. 2022 , 10, 3820	0
30	Tissue damage-tracking control system for image-guided photothermal therapy of cancer. 2,	0
29	Evaluaci3n de la din3mica de la temperatura intrarrenal con el uso de l3seres holmio y tulio YAG en un modelo ex vivo de ri3n porcino. 2022 ,	0
28	Hardware-Efficient Compression of Neural Multi-Unit Activity. 2022 , 10, 117515-117529	0
27	Wireless Fully-passive Neural Recorder with Artifact Reduction by Optical Chopping. 2022 ,	0
26	Lessons Learned from Two Decades of Modeling the Heat-Shock Response. 2022 , 12, 1645	0
25	A highly Efficacious Electrical Biofilm Treatment System for Combating Chronic Wound Bacterial Infections. 2208069	0
24	Organelle-targeted therapies: a comprehensive review on system design for enabling precision oncology. 2022 , 7,	2
23	Rhythm Mild-temperature Photothermal Therapy Enhancing Immunogenic Cell Death Response in Oral Squamous Cell Carcinoma. 2202360	0
22	The hot-to-cold spot quotient for SAR-based treatment planning in deep microwave hyperthermia. 2022 , 39, 1421-1439	2
21	A study of flex miniaturized coils for focal nerve magnetic stimulation.	0

- 20 Piezo-Activated Atomic-Thin Molybdenum Disulfide/MXene Nanoenzyme for Integrated and Efficient Tumor Therapy via Ultrasound-Triggered Schottky Electric Field. 2205053 ○
- 19 Assessing critical temperature dose areas in the kidney by magnetic resonance imaging thermometry in an ex vivo Holmium:YAG laser lithotripsy model. ○
- 18 Sol-gel dip-coated TiO₂ nanofilms reduce heat production in titanium alloy implants produced by microwave diathermy. **2023**, 40, ○
- 17 An endoluminal cylindrical sectored-ring ultrasound phased-array applicator for minimally-invasive therapeutic ultrasound. ○
- 16 Towards an integrated RF safety concept for implant carriers in MRI based on sensor-equipped implants and parallel transmission. ○
- 15 The Rise of Heatstroke as a Method of Depopulating Pigs and Poultry: Implications for the US Veterinary Profession. **2023**, 13, 140 ○
- 14 Bibliography. **2018**, ○
- 13 Functional Monitoring and Imaging in Deep Brain Structures. **2023**, 3055-3086 ○
- 12 Simultaneous proton resonance frequency T₁ - MR shear wave elastography for MR-guided focused ultrasound multiparametric treatment monitoring. ○
- 11 Selective Infrared Neural Inhibition Can Be Reproduced by Resistive Heating. **2023**, ○
- 10 Effect of porous heat transfer model on different equivalent thermal dose methods considering an experiment-based nanoparticle distribution during magnetic hyperthermia. **2023**, 56, 145402 ○
- 9 Neural modulation with photothermally active nanomaterials. **2023**, 1, 193-207 1
- 8 Modeling of Ultrasound Stimulation of Adolescent Pancreas for Insulin Release Therapy. ○
- 7 Active implantable medical devices Requirements and test protocols for safety of patients with pacemakers and ICDs exposed to magnetic resonance imaging. **2021**, ○
- 6 A coupled finite-volume immersed boundary method for the simulation of bioheat transfer in 3D complex tumor. ○
- 5 A Magnetically Actuated Variable Stiffness Manipulator Based on Deployable Shape Memory Polymer Springs. 2200465 ○
- 4 Patient-specific simulation of high-intensity focused ultrasound for head and neck cancer ablation. **2023**, 37, 2119-2130 ○
- 3 The Effects of Energy on the Relationship between the Acoustic Focal Region and Biological Focal Region during Low-Power Cumulative HIFU Ablation. **2023**, 13, 4492 ○

- 2 Dual-frequency piezoelectric micromachined ultrasound transducer based on polarization switching in ferroelectric thin film. ○
- 1 Photothermal Therapy for Cancer Treatment. **2023**, 755-780 ○