

**Fișa privind standardele minimale pe domenii ale Universității
"Alexandru Ioan Cuza din Iași" pentru ABILITARE, domeniul FIZICĂ
(cf Anexei 2)**

**Îndeplinirea standardelor minimale obligatorii stabilite de comisia Fizică din
cadrul CNATDCU;**

Iordana AȘTEFANOAEI

Nr.	Criterii minimale conform ORDIN nr. 6129 din 20 decembrie 2016 ABILITARE	Punctaj Realizat
1	$A \geq 2$	$A = 2.4002$
2	$I \geq 4$	$I = 6.0859$
3	$P \geq 4$	$P = 14.58$
4	$C \geq 40$	$C = 62.5446$
5	Indice Hirsch h (ISI WEB OF SCIENCE) ≥ 10	h = 10
6	$T \geq 12$	17.86038
	$T = A+(P/2)+(I/2)+(C/20)+(h/5)$	

Data,
14 Februarie 2023

Semnătura,
Conf. Dr. Iordana Aștefănoaei

1. Activitate didactică și profesională (CRITERIUL A)			
Nr	Tipul activităților	Indicatori	Punctaj realizat
1	Cărți în edituri internaționale recunoscute Web of Science in calitate de autor	$A_1 = \sum 4/n_{i_eff}$	0
2	Capitole de cărți în edituri internaționale recunoscute Web of Science în calitate de autor/Review-uri în reviste cotate ISI	$A_2 = \sum 1/n_{i_eff}$	0.5
2.1	Iordana Astefanoaei , Alexandru Stancu , Modeling of the Temperature Field in the Magnetic Hyperthermia (book chapter) în cartea: Numerical Simulations in Engineering and Science (2018), IntechOpen, ISBN 978-1-78923-451-0.		0.5
3	Cărți în edituri internaționale recunoscute Web of Science in calitate de editor	$A_3 = \sum 0.5/n_{i_eff}$	0
4	Cărți, manuale, îndrumare de laborator în edituri naționale sau alte edituri internaționale ca autor, note interne, prezentări susținute pt aprobarea analizelor de date în cadrul colaborărilor mari	$A_4 = \sum 0.5/n_{i_eff}$	0.5834
4.1	Daniel Radu, Iordana Aștefănoaei , Notiuni fundamentale si probleme de mecanica analitica, Editura SEDCOM LIBRIS (2005), ISBN 973-670-127-1.		0.25
4.2	Daniel Radu, Iordana Astefanoaei , Ioan Merches, Culegere de probleme de electrodinamică Editura ȘTEF (2009), ISBN 978-973-1809-49-6.		0.1667
4.3	Iordana Aștefănoaei , Ciprian Dariescu, Marina-Aura Dariescu, Modele speciale de Univers și patologii spațio-temporale, (2007); Editura Universitatii "Alexandru Ioan Cuza" din Iași, ISBN 978-973-703-205-8.		0.1667
5	Capitole de cărți în edituri naționale sau alte edituri internaționale ca autor	$A_5 = \sum 0.2/n_{i_eff}$	0
			0
6	Lucrări în extenso (cel puțin 3 pagini) publicate în Proceedings-uri indexate ISI	$A_6 = \sum 0.2/n_{i_eff}$	0.8168
6.1	Iordana Astefanoaei , Alexandru Stancu, A temperature analysis in magnetic hyperthermia (2017), AIP CONF PROC - TIM17 Physics Conference, 1916 (1), 040009		0.1
6.2	Iordana Astefanoaei , Alexandru Stancu, Horia Chiriac, Magnetic hyperthermia with Fe-Cr-Nb-B magnetic particles (2017), AIP CONF PROC - TIM15-16 Physics Conference, 1796 (1), 040006.		0.0667

6.3	lordana Astefanoaei , Alexandru Stancu, Horia Chiriac, Ioan Dumitru, Monitoring the thermal effects in the magnetic hyperthermia, IEEE-2013 E-HEALTH AND BIOENGINEERING CONFERENCE (EHB), (2013).		0.05
6.4	lordana Astefanoaei , Alexandru Stancu, Magnetic Nanoparticle Dosimetry in Hyperthermia Therapy, AIP CONF PROC - TIM19 Physics Conference, (2019).		0.1
6.5	lordana AȘTEFĂNOAEI , Alexandru STANCU, Magnetic Hyperthermia with biocompatible coated nanoparticles: A temperature analysis, IOP Conference Series: Materials Science and Engineering, ICEMS-BIOMED conference		0.1
6.6	Massimo Pinto, Maria Pimpinella, Antonio Stefano Guerra, lordana Astefanoaei , Maurizio Quini, Maria Pia Toni, Development of a new in-water-phantom graphite calorimeter for the measurement of absorbed dose to water in medium energy x-ray beams, 16th International Congress of Metrology, (2013), EPJ Web of Conferences journal vol 77 (2014), https://doi.org/10.1051/metrology/201305009		0.0333
6.7	Astefanoaei lordana ; Radu Daniel; Chiriac Horia, The residual stresses of FeBSi-type in an ingot mould, 3rd International Workshop on Amorphous and Nanocomposite Magnetic Materials, Iasi, Romania, published in JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Vol. 8, Issue 5, Page 1736-1740, (2006). (Proceeding paper)		0.0667
6.8	Astefanoaei lordana ; Chiriac Horia; Stancu Alexandru, The internal thermal stresses during the cooling process of a nanowire from alumina membrane, International Workshop on Exotic States in Materials with Strongly Correlated Electrons, Sinaia, Romania, 2007 volumul conferintei publicat in JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, Volume 10, Issue 7, Page 1763-1766, (2008). (Proceeding paper)		0.0667
6.9	Ionita Cristina-Elena; Radu Daniel; Astefanoaei lordana , 3D-modelling of temperature gradients induced by electrical power dissipation in a 3-body Domen-type calorimeter for absorbed dose measurements, MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS, Vol. 178 (19) 1275-1284, DOI10.1016/j.mseb.2013.03.007, (2013) Proceedings Paper, Conference Meeting 9th International Conference on Physics of Advanced Materials (ICPAM)		0.0667

6.10	Dumitru Ioan, Astefanoaei Iordana , Stancu Alexandru, Thermal stress dependence of magnetic hysteretic processes in core-shell nanoparticles, MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS, Vol 178(19) page1323-1328, (2013), DOI10.1016/j.mseb.2013.03.001, Proceedings Paper, Conference Meeting 9th International Conference on Physics of Advanced Materials (ICPAM)		0.0667
6.11	Dumitru I; Astefanoaei I ; Grimberg R; Stancu A, The energy states of cylindrical quantum dot systems, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, 10(2), Page327-330 (2008); Proceedings Paper, Conference Meeting 8th International Balkan Workshop on Applied Physics, Constanta, ROMANIA, 05-07, 2007		0.05
6.12	Dumitru Ioan; Astefanoaei Iordana ; Cimpoesu Dorin; Stancu Alexandru, Magnetic behavior of Joule-heated magnetic core-shell nanowires with positive magnetostrictive core material, APPLIED SURFACE SCIENCE, (2015), 352 (pag54-59) DOI10.1016/j.apsusc.2015.03.055, Proceedings Paper, 10th International Conference on Physics of Advanced Materials (ICPAM)		0.05
7	Brevete de invenție internaționale acordate	$A_7 = \sum 3/n_{i_eff}$	0
8	Brevete de invenție naționale acordate	$A_8 = \sum 0.5/n_{i_eff}$	0
9	Director/responsabil/coordonator pt programe de studii, programe de formare continua, proiecte educaționale și proiecte de infrastructură	$A_9 = \sum 0.5$	0.5
9.1	Responsabil programul de studii Fizica in limba Engleză		
9.2	Responsabil programul de studii Fizica		
10	Director/responsabil/coordonator pt proiecte de cercetare	A_{10}	0
	Total Realizat		2.4002
	Abilitare	Minim	2

Criterii minimale pentru activitatea didactica si profesionala conform ORDIN nr. 6129 din 20 decembrie 2016

Data,
14 februarie 2023

Semnătura,
Conf. Dr. Iordana Aștefănoaei

2. Activitatea de cercetare (I, P) și 3. Recunoașterea impactului activității (C)

Fisa de verificare a îndeplinirii standardelor minime pentru indicatorii I, P și C

Nr	Referința bibliografică							Prim autor	a _i (AIS)	P (AIS)	Nr autori (n _i)	Nr efectiv autori (n _{ef})	I (a _i /n _{ef})	C (c _i /n _{ef})
	Autori	Titlu	Jurnal	An	Factor de impact	Vol (Nr)	Pag							
1	Astefanoaei Iordana; Stancu Alexandru	Heat transfer computations in an intravascular tumoral region for magnetic hyperthermia	EUROPEAN PHYSICAL JOURNAL PLUS	2022	3.752	137(10)		*	0.9400	0.9400	2	2.0000	0.470	0.0000
2	Astefanoaei Iordana; Stancu Alexandru	Optimal control of the hyperthermic thermal damage within intravascular tumoral regions	Journal of Magnetism and Magnetic Materials	2021	2.993	537		*	0.9680	0.9680	2	2.0000	0.484	1.5000
3	Astefanoaei Iordana; Stancu Alexandru	Thermo-fluid porosity-related effects in the magnetic hyperthermia, The European Physical Journal Plus 136 (12), 1-11	The European Physical Journal Plus 136 (12), 1-11	2021	3.911	136(12)		*	1.1070	1.1070	2	2.0000	0.554	0.5000
4	Iordana Astefanoaei, Radel Gimaev, Vladimir I Zverev, Alexandru Stancu	Modelling of working parameters of Gd and FeRh nanoparticles for magnetic hyperthermia	Materials Research Express	2019	1.449	6(12)	5089	*	0.2360	0.2360	4	4.0000	0.0590	1.7500

5	Astefanoaei Iordana ; Stancu Alexandru	A computational study of the bioheat transfer in magnetic hyperthermia cancer therapy	J. APPI.PHYS	2019	2.328	125 (19)	194701	*	0.5440	0.5440	2	2.0000	0.2720	4.0000
6	Astefanoaei Iordana ; Chiriac Horia; Stancu Alexandru	Thermal performance of Fe-Cr-Nb-B systems in magnetic hyperthermia	J. APPI.PHYS	2017	2.176	121 (10)	104701-104712	*	0.5610	0.5610	3	3	0.1870	3.0000
7	Astefanoaei Iordana ; Stancu Alexandru	Advanced thermo-mechanical analysis in the magnetic hyperthermia	J. APPI.PHYS	2017	2.176	122 (16)		*	0.5610	0.5610	2	2	0.2805	2.0000
8	Astefanoaei Iordana ; Stancu Alexandru; Chiriac Horia	Numerical simulation of the temperature field in magnetic hyperthermia with Fe-Cr-Nb-B magnetic particles	EUR J PHYS PLUS	2017	2.249	132 (2)	89	*	0.4060	0.4060	3	3	0.1353	2.3333
9	Astefanoaei Iordana ; Chiriac Horia; Stancu Alexandru	Investigation of the temperature field in the magnetic hyperthermia using FeCrNbB magnetic particles	EUR J PHYS PLUS	2016	1.753	131 (9)	322	*	0.3810	0.3810	3	3	0.1270	2.3333
10	Pinto M.; Pimpinella M.; Quini M.; D'Arienzo M.; Astefanoaei I. ; Loreti S.; Guerra A. S.	A graphite calorimeter for absolute measurements of absorbed dose to water: application in medium-energy x-ray filtered beams	Physics in Medicine & Biology	2016	2.742	61 (4)	1732	-	0.9010	0.0000	7	6	0.1502	1.6667

11	Astefanoaei lordana; Dumitru Ioan; Chiriac Horia; Stancu Alexandru	Thermofluid Analysis in Magnetic Hyperthermia Using Low Curie Temperature Particles	IEEE TRANS MAGN	2016	1.243	52	1	*	0.3480	0.3480	4	4	0.0870	4.7500
12	Dumitru Ioan; Astefanoaei lordana; Cimposu Dorin; Stancu Alexandru	Magnetic behavior of Joule-heated magnetic core-shell nanowires with positive magnetostrictive core material	APPLIED SURFACE SCIENCE	2015	3.15	352	54-59	-	0.5740	0.0000	4	4	0.0000	0.0000
13	Astefanoaei lordana; Dumitru Ioan; Stancu Alexandru; Chiriac Horia	A thermo-fluid analysis in magnetic hyperthermia	CHINESE PHYS B	2014	1.603	23 (4)	4	*	0.2280	0.2280	4	4	0.0570	3.7500
14	Astefanoaei lordana; Dumitru Ioan; Chiriac Horia; Stancu Alexandru	Use of the Fe-Cr-Nb-B Systems With Low Curie Temperature as Mediators in Magnetic Hyperthermia	IEEE TRANS MAGN	2014	1.386	50 (11)		*	0.4030	0.4030	4	4	0.1008	1.5000
15	Astefanoaei lordana; Dumitru Ioan; Chiriac Horia; Stancu Alexandru	Controlling temperature in magnetic hyperthermia with low Curie temperature particles	J. APPI.PHYS	2014	2.183	115 (17)	17b531	*	0.6820	0.6820	4	4	0.1705	4.7500

16	Ionita Cristina-Elena; Radu Daniel; Astefanoaei Iordana	3D-modelling of temperature gradients induced by electrical power dissipation in a 3-body Domen-type calorimeter for absorbed dose measurements	MAT SCI ENG B-ADV	2013	2.122	178 (19)	1275-1284	-	0.4650	0.0000	3	3	0.0000	0.0000
17	Astefanoaei Iordana ; Dumitru Ioan; Stancu Alexandru	Size-dependent thermal stresses in the core-shell nanoparticles	CHINESE PHYS B	2013	1.392	22 (12)	2-Jan	*	0.1660	0.1660	3	3	0.0553	1.0000
18	Dumitru Ioan; Astefanoaei Iordana ; Stancu Alexandru	Thermal stress dependence of magnetic hysteretic processes in core-shell nanoparticles	MATER SCI ENG B-ADV	2013	2.122	178 (SI)	1323-1328	-	0.4650	0.0000	3	3	0.0000	0.0000
19	Guerra A. S.; Loreti S.; Pimpinella M.; Quini M.; D'Arienzo M.; Astefanoaei I. ; Caporali C.; Bolzan C.; Pagliari M.	A standard graphite calorimeter for dosimetry in brachytherapy with high dose rate Ir-192 sources	METROLOGIA	2012	1.902	49 (5)	s179-s183	-	0.6990	0.0000	9	7	0.0999	1.7143
20	Astefanoaei Iordana ; Dumitru Ioan; Stancu Alexandru	Induced Thermal Stresses in Core Shell Magnetic Particles	IEEE T MAGN	2011	1.363	47	3829-3832	*	0.3870	0.3870	3	3	0.1290	1.0000

21	Dariescu Marina- Aura; Buhucianu Ovidiu; Astefanoaei Iordana	Chiral Electrons in Static Fields at Finite Temperature	Rom Journal of Physics	2011	0.414	56 (9- 10)	1043- 1052	-	0.0950	0.0000	3	3	0.0317	1.0000
22	Radu Daniel; Guerra Antonio Stefano; Ionita Cristina-Elena; Astefanoaei Iordana	Heat loss through connecting thermistor wires in a three-body graphite calorimeter	METROLOGIA	2010	1.688	47 (3)	179-191	-	0.5060	0.0000	4	4	0.1265	1.0000
23	Radu Daniel, Ionita Cristina- Elena, Astefanoaei Iordana	Radiative Heat Loss Correction for 3-Body Graphite Calorimeters	ACTA PHYS POL A	2010	0.467	118 (4)		-	0.1170	0.0000	3	3	0.0390	1.3333
24	Dumitru Ioan; Astefanoaei Iordana ; Stancu Alexandru	The energy eigenstates of two quantum dots systems placed at the air- semiconductor interface	J OPTOELECTRO N ADV M	2009	0.433	11 (5)	542-546	-	0.1150	0.0000	3	3	0.0383	0.0000
25	Goian Veronica; Dumitru Ioan; Astefanoaei Iordana ; Stancu Alexandru	The effect of temperature on magnetostatic interactions in nanowires systems	J OPTOELECTRO N ADV M	2009	0.433	11(8)	1100- 1105	-	0.1150	0.0000	4	4	0.0288	0.0000
26	Dumitru Ioan; Astefanoaei Iordana ; Grimberg Raimond; Stancu Alexandru	The energy states of cylindrical quantum dot systems	J OPTOELECTRO N ADV M	2008	0.577	10 (2)	327-330	-	0.1130	0.0000	4	4	0.0000	0.2500

27	Astefanoaei Iordana ; Dumitru Ioan; Diaconu Andrei; Spinu Leonard; Stancu Alexandru	The temperature dependence of hysteretic processes in Co nanowires arrays	J. APPI.PHYS	2008	2.201	103 (7)	07D930	*	0.9450	0.9450	5	5	0.1890	0.8000
28	Astefanoaei Iordana ; Chiriac Horia; Stancu Alexandru	The internal thermal stresses during the cooling process of a nanowire from alumina membrane	J OPTOELECTRON ADV M	2008	0.577	10 (7)	1763-1766	*	0.0000	0.0000	3	3	0.0000	0.0000
29	Astefanoaei Iordana ; Chiriac Horia; Stancu Alexandru	Magnetic domains structure of dc Joule-heated amorphous glass-covered magnetic wires	J.OPTOELECTRON ADV M	2008	0.577	10 (2)	260-263	*	0.1130	0.1130	3	3	0.0377	0.6667
30	Astefanoaei Iordana ; Stancu Alexandru; Chiriac Horia	Magnetic domains structure of DC Joule-heated conventional amorphous wires	SENS.LETT.	2007	1.587	5 (1)	19-22	*	0.4330	0.4330	3	3	0.1443	0.0000
31	Astefanoaei Iordana ; Dumitru Ioan; Grimberg Raimond; Stancu Alexandru	The energetic states of quantum dots in the presence of a metallic layer	J MAGN MAGN MATER	2007	1.704	316(2)	e273-e275	*	0.4870	0.4870	4	4	0.1218	0.0000
32	Astefanoaei Iordana ; Dumitru Ioan; Grimberg Raimond; Stancu Alexandru	The effect of a metallic layer on energetic states of quantum dots	SENS.LETT.	2007	1.587	5 (1)	185-188	*	0.4330	0.4330	4	4	0.1083	0.2500

33	Astefanoaei lordana; Stancu Alexandru; Chiriac Horia	The effect of DC Joule-heating on magnetic structure of conventional amorphous wires	J MAGN MAGN MATER	2007	1.704	316 (2)	e276-e279	*	0.4870	0.4870	3	3	0.1623	1.0000
34	Astefanoaei lordana; Radu Daniel; Chiriac Horia	Induced residual stresses in the preparation process of the glass-covered amorphous magnetic microwires	J.OPTOELECTRON ADV M	2006	1.106	8 (3)	978-987	*	0.1610	0.1610	3	3	0.0537	0.0000
35	Astefanoaei lordana; Radu Daniel; Chiriac Horia	The residual stresses of FeBSi-type in an ingot mould	J.OPTOELECTRON ADV M	2006	1.106	8(5)	1736-1740	*	0.0000	0.0000	3	3	0.0000	0.0000
36	Astefanoaei lordana; Radu Daniel; Chiriac Horia	The supplementary compression stresses in Fe77.5Si7.5B15 wires	J.OPTOELECTRON ADV M	2006	1.106	8(5)	1731-1735	*	0.1610	0.1610	3	3	0.0537	0.3333
37	Astefanoaei lordana; Radu Daniel	Distribution of the internal stresses in DC Joule-heated Fe77.5B15Si7.5 conventional amorphous microwires	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2006	2.077	39 (18)	3921-3931	*	0.9110	0.9110	2	2	0.4555	0.5000
38	Astefanoaei lordana; Radu Daniel; Chiriac Horia	Internal stress distribution in DC joule-heated amorphous glass-covered microwires	J PHYS-CONDENS MAT	2006	2.038	18 (9)	2689-2716	*	1.0240	1.0240	3	3	0.3413	6.3333
39	Astefanoaei lordana; Radu Daniel; Chiriac Horia	On dc Joule-heating effects in amorphous glass-covered Fe77.5Si7.5B15 microwires	J PHYS D APPL PHYS	2005	1.957	38 (2)	235-243	*	0.9110	0.9110	3	3	0.3037	1.0000

40	Astefanoaei Iordana ; Radu Daniel; Chiriac Horia	Temperature distribution in dc Joule-heated amorphous ribbons	PHYS STATUS SOLIDI A	2005	1.041	202 (13)	2419-2435	*	0.4710	0.4710	3	3	0.1570	1.0000
41	Astefanoaei Iordana ; Radu Daniel; Chiriac Horia	Temperature distribution in d.c. joule-heated amorphous magnetic materials	J OPTOELECTRON ADV M	2005	1.138	7(2)	933-950	*	0.1200	0.1200	3	3	0.0400	1.3333
42	Chiriac Horia; Astefanoaei Iordana	A model of the DC Joule heating in amorphous wires	PHYS STATUS SOLIDI A	1996	0.547	153(1)	183-189	-	0.4710	0.0000	2	2	0.2355	5.0000
43	Iordana AȘTEFĂNOAEI, Alexandru STANCU	Magnetic Hyperthermia with biocompatible coated nanoparticles: A temperature analysis,	IOP Conference Series: Materials Science and Engineering	2022	0									
44	Iordana AȘTEFĂNOAEI, Alexandru STANCU	Magnetic Nanoparticle Dosimetry in Hyperthermia Therapy	AIP Conference Proceedings	2020	0	2218		-	0.0000	0.0000	2	2	0.0000	0.0000
45	Iordana AȘTEFĂNOAEI, Alexandru STANCU	A temperature analysis in magnetic hyperthermia	AIP Conference Proceedings	2017							2	2		1.0000
46	Iordana AȘTEFĂNOAEI, Alexandru STANCU	Modeling of the temperature field in Magnetic Hyperthermia	Clarivate (Book chapter)							0.0000	2	2		0.5000

47	Anamaria Doaga, Cristin Constantin, Alina Cojocaru, Iordana Astefanoaei, Ioan Dumitru, Ovidiu Caltun	Phenomenological study of thermal field generated by nanoparticles arrays in hyperthermia as treatment method	Journal of Advanced Research in Physics	2011	0	2(1)	11110	0	0.0000	0.0000	6	5.5	0.0000	0.3636
48	Iordana AȘTEFĂNOAEI, Alexandru STANCU, Horia CHIRIAC	Magnetic hyperthermia with Fe-Cr-Nb-B magnetic particles	AIP Conference Proceedings	2017	0	1796 (1)	40006	0	0.0000	0.0000	3	3	0.0000	0.6667
49	Massimo Pinto, Maria Pimpinella, Antonio Stefano Guerra, Iordana Astefanoaei, Stefano Loreti, Maurizio Quini, and Maria Pia Toni	A new graphite calorimeter for the measurement of absorbed dose to water in medium energy x-ray beams	16th International Congress of Metrology, 05009, (2013)- EDP Sciences- Web of Conferences (indexat)	2014	0	77(05009)			0.0000	0.0000	7	6	0.0000	0.1667

50	Iordana AȘTEFĂNOAEI, Ioan DUMITRU, Alexandru STANCU and Horia CHIRIAC	Monitoring the thermal effects in the magnetic hyperthermia	E-Health and Bioengineering Conference (EHB), ISI Conference Proceeding	2013	0			0	0.0000	0.0000	4	4	0.0000	0.5000
										P =			I =	C =
										14.58			6.0859	62.5446
									minim	4.0000		minim	4	40.0000

Data,
14 februarie 2023

Semnătura,
Conf. Dr. Iordana Aștefănoaei

Citări în reviste științifice cu factor de impact sau cărți (Web of Science) - C

	Autori	Titlul lucrării	Referința bibliografică	ISI Factor	vol (nr)	pag	an	nr autori (ni)	ni_eff	Ci/ni_eff
1996	Iordana Aștefănoaei, Horia Chiriac	1) A model of the DC Joule heating in amorphous wires	Physica Status Solidi (A)	0.547	153(1)	183-189	1996	2	2	5
citată în 10 lucrări:										
1	S. Glod, D. Poulikakos, Z. Zhao, G. Yadigaroglu	An investigation of microscale explosive vaporization of water on an ultrathin Pt wire	International Journal of Heat and Mass Transfer	1.268	45(2)	367-379	2002			
2	F. C. S. da Silva, E. F. Ferrari and M. Knobel	Precipitation and dissolution of Co granules in CuCo alloys: Reverse effects of Joule heating	Journal of Applied Physics	2.275	86(12)	7170-7178	1999			
3	M. Butta, I. Sasada	Orthogonal Fluxgate with Annealed Wire Core	IEEE Transactions on Magnetics	1.213	49(1)	62-65	2013			
4	H.P. Phan, T.Dinh, T. Kozeki, A. Qamar, T. Namazu, S.Dimitrijevi, N.T. Nguyen, D. V. Dao	Piezoresistive effect in p-type 3C-SiC at high temperatures characterized using Joule heating	Scientific Reports	4.259	6(28499)		2016			
5	Hoang-Phuong Phan	Characterization of the Piezoresistive Effect in p-Type Single Crystalline 3C-SiC, DOI 10.1007/978-3-319-55544-7_4, Book Series: Springer Theses-Recognizing Outstanding PhD Research	Piezoresistive Effect of p-Type Single Crystalline 3C-SiC (Springer book chapter)	ISI indexed	Indexed: 2018 03-07	63-99	2017			
6	V. Kolesar, R. El Kammouni, M. Kubliha, V. Labas, M. Vazquez	Temperature Microsensor/Microactuator Based on Magnetic Microwire for MEMS Applications	IEEE Transactions on Magnetics	1.241	53(4)		2016			
7	Thiabgoh O, Eggers T, Albrecht C, Jimenez V.O, Shen H, Jiang S.D, Sun J.F, Lam D.S., Lam, V.D, Phan, M.H.	Optimization of the high-frequency magnetoimpedance response in melt-extracted Co-rich microwires through novel multiple-step Joule heating.	JOURNAL OF SCIENCE-ADVANCED MATERIALS AND DEVICES	7.382	6(3)	364-371	2021			
8	Gudoshnikov, S.A, Odintsov, V. I., Liubimov, B. Ya., Menshov, S.A., Churukanova, M. N., Kaloshkin, S. D., Elmanov, G. N.	Method for evaluating the temperature of amorphous ferromagnetic microwires under Joule heating	MEASUREMENT	5.131	182(109783)		2021			

9	Seung Hwan Noh Young jun Song	A simple transparent electrode fabrication method by filling in Ag composites into scratch gap	Microelectronic Engineering	2.662	228(111331)		2020			
10	Chiriac, H; Knobel, M and Ovari, TA	Temperature distribution in a joule effect annealed amorphous glass-covered wire	4th Latin American Workshop on Magnetism, Magnetic Materials and Their Applications	0.399	302-3 , pp.239-243		1999			
2005	Iordana Aștefănoaei, D. Radu, H. Chiriac	2) Temperature Distributions in DC Joule-Heated Amorphous Magnetic Materials	Journal of Optoelectronics and Advanced Materials	1.138	7(2)	933-950	2005	3	3	1.333333

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1	V. Kolesar, R. El Kammouni, M. Kubliha, V. Labas, M. Vazquez	Temperature Microsensor/Microactuator Based on Magnetic Microwire for MEMS Applications	IEEE Transactions on Magnetics	1.243	53(4)		2016			
2	M. Cialone, F. Celegato, M. Coisson, G. Barrera	Tailoring magnetic properties of multicomponent layered structure via current annealing in FePd thin films	Scientific Reports	4.122	7(16691)		2017			
3	A.V. Popova, V.I. Odintsov, S.A. Menshov, E.V. Kostitsyna, S.A. Gudoshnikov	Continuous control of a resistance in Co-rich amorphous ferromagnetic microwires during DC Joule heating	Intermetallics	3.353	99	39-43	2018			
4	Gudoshnikov, S.A, Odintsov, V. I., Liubimov, B. Ya., Menshov, S.A., Churukanova, M. N., Kaloshkin, S. D., Elmanov, G. N.	Method for evaluating the temperature of amorphous ferromagnetic microwires under Joule heating	MEASUREMENT	5.131	182(109783)		2021			
2005	Iordana Aștefănoaei, D. Radu, H. Chiriac	3) Temperature Distributions in DC Joule-Heated Amorphous Ribbons	Physica Status Solidi (A)	1.041	202(13)	2419-2435	2005	3	3	1

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1	F. Qin, Hua-Xin Peng, Jie Tang, Lu-Chang Qin	Ferromagnetic microwires enabled polymer composites for sensing applications	Composites Part A: Applied Science and Manufacturing	2.338	41(12)	1823-1828	2010			
2	Victor De Manuel and Rafael Perez del Real	Inhomogeneous nanocrystallization of Joule-heated amorphous Vitroperm alloy	Journal of Physics D: Applied Physics	2.104	41(8)		2008			
3	Victor De Manuel and Rafael Perez del Real	A model concerning the environmental factors that modify the nanocrystallization of current-annealed samples	Philosophical Magazine	1.273	89(32)		2009			
2005	Iordana Aștefănoaei, D. Radu, H. Chiriac	4) On dc Joule-heating effects in amorphous glass-covered Fe77. 5Si7. 5B15 microwires	Journal of Physics D: Applied Physics	1.957	38(2)	235-243	2005		3	1
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1	Shilu Zhao Faxiang Qin Yang Luo Yunfei Wang Azim Uddin Xuefei Zheng Diana Estevez Huan Wang Hua-XinPeng	Responsive left-handed behaviour of ferromagnetic microwire composites by in-situ electric and magnetic fields	Composites Communications	6.617		246-252	2020			
2	Nematov M. G., Baraban I, Yudanov, NA, Rodionova, V, Qin F. X., Peng, H-X, Panina, L., V.	Evolution of the magnetic anisotropy and magnetostriction in Co-based amorphous alloys microwires due to current annealing and stress-sensory applications	Journal of Alloys and Compounds	5.316	837	DOI10.1016/j.jallcom.2020.155584	2020			
3	Vahovsky O.,Richter K,Varga, R, McCord J.	Local distortions of surface domain walls in cylindrical microwires observed by magneto-optics	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	2.993	537	168168	2021			
2006	Iordana Aștefănoaei, D. Radu, H. Chiriac	5) Internal stress distribution in DC Joule-Heated Amorphous Glass-Covered Microwires	Journal of Physics: Condensed Matter	2.038	18(9)	2689-2716	2006	3	3	6.333333
citată în 19 lucrări:										
1	F. Beck, R. C. Gomes, K.D. Sossmeier, F. Bohn, M.Carara	Stress dependence of the domain wall dynamics in the adiabatic regime	Journal of Magnetism and Magnetic Materials	1.78	323(3-4)	268-271	2011			

2	E. V. Zamyatkina, M. I. Petrzhik	Estimation of the internal stresses in amorphous glass-covered microwires	Russian Metallurgy (Metally)	0.16	311	376	2011			
3	T. R. Chueva, V. T. Zabolotnyi, P. P. Umnov, N. V. Umnova, V. V. Molokanov	Conditions of formation of "thick" plastic amorphous Fe-Co microwires in Fe ₇₅ Si ₁₀ B ₁₅ -Co ₇₅ Si ₁₀ B ₁₅ system	Inorganic Materials: Applied Research	0.51	5(5)	504-508	2014			
4	V. Kolesar, R. El Kammouni, M. Kubliha, V. Labas, M. Vazquez	Temperature Microsensor/Microactuator Based on Magnetic Microwire for MEMS Applications	IEEE Transactions on Magnetics	1.243	53(4)		2016			
5	P. P. Umnov, A. A. Stegnukhin, A. V. Lavrenyuk, N. V. Petrakova, N. V. Umnova, V. V. Molokanov, V. T. Zabolotnyi,	A mechanism of removal of a glass envelope from a "thick" amorphous Co-alloy wire prepared by the Ulitovsky-Taylor method	Inorganic Materials: Applied Research	0.51	4(3)	260-264	2013			
6	Zhukov, A (Zhukov, A.); Ipatov, M (Ipatov, M.) ; del Val, JJ (del Val, J. J.); Zhukova, V (Zhukova, V.) ; Chernenko, VA (Chernenko, V. A.)	Magnetic and structural properties of glass-coated Heusler – type microwires exhibiting martensitic transformation	Scientific Reports	4.011	8(621)		2018			
7	A. Zhukov, M. Ipatov, JJ del Val, S. Taskaev, M. Churyukanova and V. Zhukova	First-order martensitic transformation in Heusler-type glass-coated microwires, DOI10.1063/1.5004571	Appl. Phys. Lett	3.495	111(24)	242403	2017			
8	V.P.Maslov	Analytical Number Theory and the Energy of Transition of Bose Gas to Fermi gas. Critical Lines as Boundaries of Noninteracting Gas (an Analog of the Bose Gas in Classical Thermodynamics	Russian Journal of Mathematical Physics	0.874	25(2)	220-232	2018			
9	O. V. Babanazarova R. Kurmayer S. I. Sidelev E. M. Aleksandrina E. G. Sakharova	Phytoplankton structure and microcystine concentration in the highly eutrophic Nero Lake	Water Resources	0.293	38(2)	229-236	2011			
10	M. G. Nematov, L. V. Panina, A. Dzhumazoda N. A. Yudanov A. T. Morchenko M. A. Dzhuaraev	Magnetic Anisotropy and Super-Sensitive Stress-Magnetoimpedance in Microwires with Positive Magnetostriction	Physics of the Solid State	0.95	61(8)	1409–1415	2019			

11	Zhukova, V (Zhukova, Valentina) Corte-Leon, P (Corte-Leon, Paula) Gonzalez-Legarreta, L (Gonzalez-Legarreta, Lorena) Talaat, A (Talaat, Ahmed) Blanco, JM (Maria Blanco, Juan) Ipatov, M (Ipatov, Mihail) Olivera, J (Olivera, Jesus) Zhukov, A (Zhukov, Arcady)	Optimization of Magnetic Properties of Magnetic Microwires by Post-Processing	Processes	2.847	8(8)		2020			
12	Corte-Leon, P (Corte-Leon, P.) Zhukova, V (Zhukova, V.) Ipatov, M (Ipatov, M.) Blanco, JM (Blanco, J. M.) Zhukov, A (Zhukov, A.)	Effect of Joule heating on giant magnetoimpedance effect and magnetic properties of Co-rich microwires	JOURNAL OF ALLOYS AND COMPOUNDS	5.316	883(160778)		2021			
13	Alekhina, I (Alekhina, Iuliia) Kolesnikova, V (Kolesnikova, Valeria) Rodionov, V (Rodionov, Vladimir) Andreev, N (Andreev, Nikolai) Panina, L (Panina, Larissa) Rodionova, V (Rodionova, Valeria) Perov, N (Perov, Nikolai)	An Indirect Method of Micromagnetic Structure Estimation in Microwires DOI10.3390/nano11020274	Nanomaterials	5.076	11(2)		2021			
14	Corte-Leon, P (Corte-Leon, Paula) Zhukova, V (Zhukova, Valentina) Chizhik, A (Chizhik, Alexandr) Blanco, JM (Blanco, Juan Maria) Ipatov, M (Ipatov, Mihail) Gonzalez-Legarreta, L (Gonzalez-Legarreta, Lorena) Zhukov, A (Zhukov, Arcady)	Magnetic Microwires with Unique Combination of Magnetic Properties Suitable for Various Magnetic Sensor Applications	Sensors	3.576	20(24)		2020			
15	Zhukova, V (Zhukova, Valentina) Corte-Leon, P (Corte-Leon, Paula) Gonzalez-Legarreta, L (Gonzalez-Legarreta, Lorena) Talaat, A (Talaat, Ahmed) Blanco, JM (Blanco, Juan Maria) Ipatov, M (Ipatov, Mihail) Olivera, J (Olivera, Jesus) Zhukov, A (Zhukov, Arcady)	Review of Domain Wall Dynamics Engineering in Magnetic Microwires	Nanomaterials	5.076	10(12)		2020			

16	Chizhik, A (Chizhik, Alexander) Gonzalez, J (Gonzalez, Julian) Zhukov, A (Zhukov, Arcady) Stupakiewicz, A (Stupakiewicz, Andrzej)	Control of Domain Structure in Magnetic Microwires by Combination of Torsion and Tension Stresses DOI10.1109/LMAG.2020.3028048	IEEE MAGNETICS LETTERS	1.549	11		2020			
17	Zhukova, V ; Corte-Leon, P ; Blanco, JM ; Ipatov, M; Gonzalez-Legarreta, L; Gonzalez, A ; Zhukov, A.	Development of Magnetically Soft Amorphous Microwires for Technological Applications DOI 10.3390/chemosensors10010026	Chemosensors	10(1)			2022			
18	V Zhukova, P Corte-Leon, JM Blanco, M Ipatov	Development of Co-Rich Microwires with Graded Magnetic Anisotropy DOI10.3390/s22010187	Sensors	22(1)			2022			
19	Arcady Zhukov, Paula Corte-Leon, Lorena Gonzalez-Legarreta, Mihail Ipatov, Juan Maria Blanco, Alvaro Gonzalez and Valentina Zhukova	Advanced functional magnetic microwires for technological applications	J. Phys. D: Appl. Phys.	55(25)		DOI10.1088/1361-6463/ac4fd7	2022			
2006	Iordana Aștefănoaei, D. Radu, H. Chiriac	6) The supplementary compression stresses in Fe-B-Si wires	Journal of Optoelectronics and Advanced Materials	1.106	8(5)	1736-1741	2006	3	3	0.333333

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1	H. Chiriac, S. Corodeanu, A. Donac, V. Dobrea, G. Ababei, G. Stoian, M. Lostun, T.-A. Óvári, and N. Lupu	Influence of cold drawing on the magnetic properties and giant magneto-impedance response of FINEMET nanocrystalline wires	Journal of Applied Physics	2.101	117(17A314)		2015				
2006	Iordana Aștefănoaei and Daniel Radu	7) Distribution of the internal stresses in DC Joule-heated Fe77.5B15Si7.5 conventional amorphous microwires	Journal of Physics D: Applied Physics	2.077	39(18)		2006	2	2	0.5	

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1	Naofumi Murata, Reiko Nomura, Ayako Matsuoka	Current annealing of amorphous wire core for performance improvement of fundamental mode orthogonal fluxgate	Journal of Magnetism and Magnetic Materials	2.683	484()	497-503	2019				
2007	Iordana Aștefănoaei , Alexandru Stancu, H. Chiriac,	8) The effect of dc Joule-heating structure of conventional amorphous wires	Journal of Magnetism and Magnetic Materials	1.704	316(2)	e276-e279	2007	3	3	1	

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1	Reza Gholamipour, Amir Keyvanara, Farzad Shahri, Shamsoddin Mirdamadi	Effect of Joule-Heating Annealing on Giant Magnetoimpedance of Co64Fe4Ni2B19-xSi8Cr3Alx (x= 0, 1 and 2) Melt-Spun Ribbons	Journal of Ultrafine Grained and Nanostructured Materials	0.654	50(2)	111-116	2017				
2	Kikuchi, H (Kikuchi, Hiroaki) Urakawa, Y (Urakawa, Yoshiki) Tanii, M (Tanii, Mamoru)	Changes in properties of thin-film magnetoimpedance element by Joule heating	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	2.993	539		2021				
3	Kikuchi, H (Kikuchi, Hiroaki); Ueno, A (Ueno, Akitsugu) ; Tanii, M (Tanii, Masaru)	Controlling the Magnetoimpedance Property of Thin-Film Elements Using Joule Heating	IEEE TRANSACTIONS ON MAGNETICS	1.848	58(8)	DOI10.1109/TMAG.2022.3151985	2021				
2007	Iordana Aștefănoaei , Ioan Dumitru, Raimond Grimberg, Alexandru Stancu	9) The effect of a metallic layer on energetic states of quantum dots	Sensor Letters	1.587	5(1)	185-188	2007	4	4	0.25	

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1	Hyeong-Gon Kang, Fuyuki Tokumasu, Matthew Clarke, Zhenping Zhou, Jianyong Tang, Tinh Nguyen and Jeeseong Hwang	Probing dynamic fluorescence properties of single and clustered quantum dots toward quantitative biomedical imaging of cells, DOI10.1002/wnan.62	WILEY Interdisciplinary reviews - Nanomedicine and Nanobiotechnology	5.681	2(1)	48-58	2010				
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2008	Iordana Aștefănoaei, Horia Chiriac, Alexandru Stancu	10) Magnetic domains structure in DC Joule-heated amorphous glass-covered magnetic wires	Journal of Optoelectronics and Advances Materials	0.577	10(2)	260-263	2008	3	3	0.666667
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1	Dong-Ming Chen, Da-Wei Xing, Fa-Xiang Qin, Jing-Shun Liu, Huan Wang, Xiao-Dong Wang and Jian-Fei Sun	Correlation of magnetic domains, microstructure and GMI effect of Joule annealed melt-extracted Co _{68.15} Fe _{4.35} Si _{12.25} B _{13.75} Nb ₁ Cu _{0.5} microwires for double functional sensors	Physica Status Solidi (A)	1.469	210(11)	2515-2520	2013			
2	A. G. Mamalis, E. Hristoforou	Magnetostrictive behaviour of ribbons and wires: Analytical modelling and experimental validation	Journal of Optoelectronics and Advanced Materials	0.433	11(1)	44-55	2009			
2008	Iordana AȘTEFĂNOAEI, Ioan DUMITRU, Andrei DIACONU, Leonard SPINU, Alexandru STANCU	11) The temperature dependence of hysteretic processes in Co nanowires arrays	Journal of Applied Physics	2.201	103(7)	07D930	2008	5	5	0.8

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1	T. T. Su, Ching-Hung Hsiao, Shen-Chuan Lo, Wen Ouyang, Tzu-Yuan Li, H. Ouyang, and Y. D. Yao	Packings of Os layers for the development of L10 order of FePt in nanoscale [Os-FePt] _n multilayer systems	Journal of Applied Physics	2.21	113	17C120	2013			
2	Chenglin Li, Qiong Wu, Ming Yue, Huanhuan Xu, Subhashini Palaka, Kevin Elkins, and J. Ping Liu	Manipulation of morphology and magnetic properties in cobalt nanowires	AIP Advances DOI10.1063/1.4977890	1.653	7(5)	56229	2017			
3	Huan-Huan Xu, Qiong Wu, Ming Yue, Cheng-Lin Li, Hong-Jian Li	Morphology control of magnetic properties in cobalt nanowires	Rare Metals	2.81			2018			

4	Diaconu, A (Diaconu, Andrei); Dumitru, I (Dumitru, Ioan); Stancu, A (Stancu, Alexandru); Spinu, L (Spinu, Leonard)	The temperature dependence of magnetostatic interactions in nanowire systems	12th International Conference on Development and Application Systems (DAS) 2014 2014 INTERNATIONAL CONFERENCE ON DEVELOPMENT AND APPLICATION SYSTEMS (DAS)			132-136	2014				
2010	Daniel Radu, Antonio Stefano Guerra, Cristina Ioniță, Iordana Aștefănoaei	12) Heat loss through connecting thermistor wires in a three-body graphite calorimeter	Metrologia	1.688	47(3)	179	2010	4	4	1	
citată în 4 lucrări:											
1	A Mawire	A simple experiment to determine the characteristics of an NTC thermistor for low-temperature measurement applications	European Journal of Physics	1.804	33(5)		2012				
2	Cristina Elena Ioniță, Daniel Radu	Two – dimensional modeling of thermal gradients in the core of a primary standard vacuum graphite calorimeter in a square – folded geometry	Rom. Journ. Phys.	0.414	58(1-2)		2011				
3	Skliarov, V	Computational modeling of colorimetric primary transducer for metrological assurance in additive manufacturing	Conference on Smart Structures and NDE for Industry 4.0 2018 SMART STRUCTURES AND NDE FOR INDUSTRY 4.0 10602	Isi Proceeding			2018				
4	Panasenko, RA; Tutnov, IA; (...); Berlyand, VA	Specialized Temperature Measuring Systems in High Precision Devices	IEEE International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT) 2015 2015 INTERNATIONAL CONFERENCE ON CONTROL, INSTRUMENTATION, COMMUNICATION	Isi Proceeding			2015				

2010	Cristina IONITĂ, Daniel RADU, Iordana AȘTEFĂNOAEI	13) Radiative Heat Loss Correction for 3-Body Graphite Calorimeters	Acta Physica Polonica A	0.467	118(4)		2010	3	3	1.333333
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1	Cristina Elena Ioniță, Daniel Radu	Two – dimensional modeling of thermal gradients in the core of a primary standard vacuum graphite calorimeter in a square – folded geometry	Rom. Journ. Phys	0.745	58(1-2)		2011			
2	Jeppe Brage Christensen, Grichar Valdes Santurio, Anne Vestergaard, Stine S. Korreman, Claus E. Andersen	Designing a Graphite Calorimeter for Scintillator Quenching Measurements	Radiation Measurements	1.435	132(106277)		2020			
3	Jeppe Brage Christensen, Anne Vestergaard and Claus E Andersen	Using a small-core graphite calorimeter for dosimetry and scintillator quenching corrections in a therapeutic proton beam	Physics in Medicine & Biology	3.609	65(21)		2020			
4	Cote, B (Cote, Benjamin); Keszti, F (Keszti, Federico); Bancheri, J (Bancheri, Julien); Sarfehnia, A (Sarfehnia, Arman); Seuntjens, J (Seuntjens, Jan); Renaud, J (Renaud, James)	Feasibility of operating a millimeter-scale graphite calorimeter for absolute dosimetry of small-field photon beams in the clinic	Medical Physics		48(11)	7476-7492	2021			
2011	Marina-Aura DARIESCU, Ovidiu BUHUCIANU, Iordana AȘTEFĂNOAEI	14) Chiral electrons in static fields at finite temperature	Romanian Journal in Physics	0.414	56(9-10)	1043-1052	2011	3	3	1

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1	Abdelmalek Boumali	Thermal Properties of the One-Dimensional Duffin–Kemmer–Petiau Oscillator Using Hurwitz Zeta Function	Zeitschrift für Naturforschung A, A Journal of Physical Sciences	0.886	70(10)		2015			
2	Marina-Aura Dariescu, Ciprian Dariescu, Ciprian Crețu, Ovidiu Buhucianu	Analytic Study of fermions in grapheme Heun functions and beyond	Rom. Journ. Phys	0.745	58(7-8)		2013			

3	Ovidiu Buhucianu	Massless fermions in external fields in terms of Heun`s functions	Acta Physica Polonica B	0.44	43		2012			
2011	Iordana AȘTEFĂNOAEI, Ioan DUMITRU, Alexandru STANCU	15) Induced Thermal Stresses in Core Shell Magnetic Particles	IEEE Transactions on Magnetics	1.363	47(10)	3829-3832	2011	3	3	1
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1	Domenico Truzzolillo, Dimitris Vlassopoulos, Abdul Munam and Mario Gauthie	Depletion gels from dense soft colloids: Rheology and thermoreversible melting	Journal of Rheology	3.276	58(5)	1441-1462	2014			
2	Domenico Truzzolillo, Dimitris Vlassopoulos, Mario Gauthier and Abdul Munam	Thermal melting in depletion gels of hairy nanoparticles	Soft Matter	4.151	9(38)	9088-9093	2013			
3	Xiang-Yu Li ; Jun-Wei Zha ; Si-Jiao Wang ; Shao-Long Zhong ; Chong Zhan	Effect of high-thermal conductivity epoxy resin on heat dissipation performance of saturated reactor	IEEE Transactions on Dielectrics and Electric Insulation	1.774	24(6)		2017			
2012	A S Guerra, S. Loreti, M Pimpinella, M Quini, M D'Arienzo, I. Aștefănoaei, C Caporali, C Bolzan, M Pagliari	16) A standard graphite calorimeter for dosimetry in brachytherapy with high dose rate 192Ir sources	Metrologia	1.902	49(5)	S179	2012	9	7	1.714286
citată în 12 lucrări:										
1	Fujio Araki, Tomohiro Kouno, Takeshi Ohno, Kiyotaka Kakei, Fumiaki Yoshiyama and Shinji Kawamura	Measurement of absorbed dose-to-water for an HDR 192Ir source with ionization chambers in a sandwich setup	Medical Physics	3.012	49(9)		2013			
2	Ulrike Ankerhold and Maria Pia Toni	European research projects for metrology in Brachytherapy and External Beam Cancer Therapy	Metrologia	1.902	49(5)		2012			
3	T Sander	Air kerma and absorbed dose standards for reference dosimetry in brachytherapy	British Journal of Radiology	1.533		87(1041)	2014			
4	Frank Ubrich, Jorg Wulff, Rita Engenhardt-Cabilic, Klemens Zink	Correction factors for source strength determination in HDR brachytherapy using the in-phantom method	Zeitschrift für Medizinische Physik	1.811	24(2)	138-152	2014			

5	Islam El Gamal, Claudiu Cojocaru, Ernesto Mainegra-Hing and Malcolm McEwen	The Fricke dosimeter as an absorbed dose to water primary standard for Ir-192 brachytherapy	Physics in Medicine & Biology	2.811	60(11)		2015			
6	M. Pimpinella, C. Caporali, A. Stravato, A. S. Guerra, M. D Arienzo	Monte Carlo calculation of correction factors for dosimetry in radiotherapy using the correlated sampling method	Romanian Reports in Physics	1.137	66(1)	109-119	2014			
7	Bryan R. Muir, Claudiu D. Cojocaru, Malcolm R. McEwen and Carl K. Ross, Bryan R. Muir, Claudiu D. Cojocaru, Malcolm R. McEwen and Carl K. Ross,	Electron beam water calorimetry measurements to obtain beam quality conversion factors	Medical Physics	2.884			2017			
8	Julien Bancheri, Jan Seuntjens, Arman Sarfehnia, James Renaud	Density effects of silica aerogel insulation on the performance of a graphite probe calorimeter	Medical Physics	3.177	46(4)	1874-1882	2019			
9	I El Gamal, C Cojocaru, E Mainegra-Hing, C Ross, M McEwen	Development of An Absorbed Dose to Water Primary Standard for HDR Ir-192 Brachytherapy Based On the Fricke Dosimetry System	Medical Physics	3.012	40(6)	432	2013			
10	James Renaud, Arman Sarfehnia, Julien Bancheri, Jan Seuntjens	Aerrow: A probe-format graphite calorimeter for absolute dosimetry of high-energy photon beams in the clinical environment	Medical Physics	3.177	45(1)		2018			
11	J Renaud, H Palmans, A Sarfehnia and J Seuntjens	Absorbed dose calorimetry	Physics in Medicine & Biology	3.609	65(5)		2020			

12	James Renaud, Arman Sarfehnia, Julien Bancheri and Jan Seuntjens	Absolute dosimetry of a 1.5 T MR-guided accelerator-based high-energy photon beam in water and solid phantoms using Aarrow	Medical Physics	4.071			2020			
2013	Iordana AȘTEFĂNOAEI, Ioan DUMITRU, Alexandru STANCU	17) Size-dependent thermal stresses in the core-shell nanoparticles	Chinese Physics B	1.393	22(12)	128102	2013	3	3	1

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1	Hou Zhi-Wen, Kang Ai-Guo, Ma Wei-Qing and Zhao Xiao-Long	Dimension effects on the dielectric properties of fine BaTiO3 ceramics	Chinese Physics B	1.603	23(11)		2014			
2	Y. G. Liu, A. G. Kang, S. F. Zhang, Z. W. Hou, W. B. Liu,	Theoretical analysis on ferroelectricity critical dimension on BaTiO3 nanoparticles	Acta Physica Sinica	0.677	64(17)		2015			
3	Yun, SJ (Yun, Seok Joon); Choi, SH (Choi, Soo Ho) ; Kim, JW (Kim, Ji-Won) ; Yoon, D (Yoon, Duhee); Cho, BW (Cho, Byeong Wook); Won, YS (Won, Yo Seob); Kim, JW (Kim, Jae Woo) ; Lee, JA (Lee, Jina) ; Kim, YI (Kim, Yong In) ; Kim, YM (Kim, Young-Min) ; Kirubasankar, B (Kirubasankar, Balakrishnan) ; Kim, SM (Kim, Soo Min) ; Kim, KK (Kim, Ki Kang) ; Lee, YH (Lee, Young Hee)	Internal Thermal Stress-Driven Phase Transformation in Van der Waals Layered Materials DOI10.1021/acsnano.2c07150	ACS Nano	18.027			2022			

2013	Iordana AȘTEFĂNOAEI, Ioan DUMITRU, Alexandru STANCU and Horia CHIRIAC	18) Monitoring the thermal effects in the magnetic hyperthermia	E-Health and Bioengineering Conference (EHB), ISI Conference Proceeding	ISI Proceeding			2013	4	4	0.5
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1	Kihyun Kim ; Taeyoon Seo ; Kyunjong Sim ; Youngwoo Kwon	Magnetic nanoparticle-assisted microwave hyperthermia using an active integrated heat applicator	IEEE Transactions on Microwave Theory and Techniques	2.897	64(7)		2016			
2	Mehran MinbashiAmirhossein Ahmadkhan KordbachehArash GhobadiValery V. Tuchin	Optimization of power used in liver cancer microwave therapy by injection of Magnetic Nanoparticles (MNPs)	Computers in Biology and Medicine	2.286			2020			

2013	Massimo Pinto, Maria Pimpinella, Antonio Stefano Guerra, lordana Astefanoaei , Stefano Loreti, Maurizio Quini, and Maria Pia Toni	19) A new graphite calorimeter for the measurement of absorbed dose to water in medium energy x-ray beams	EPJ Web of Conferences journal vol 77 (2014), https://doi.org/10.1051/metrology/201305009	ISI Proceeding	77(05009)		2014	7	6	0.166667
citată în lucrarea:										
	Jean-Marc Bordy, Claus E Andersen, Ulrike Ankerhold, et all	Metrology for radiotherapy using complex radiation fields--EMRP Project	Physica Medica	2.403	30(e23)		2014			
2014	lordana AȘTEFĂNOAEI , Ioan DUMITRU, Alexandru STANCU , Horia CHIRIAC	20) A thermo-fluid analysis in magnetic hyperthermia	Chinese Physics B	1.603	23(4)	44401	2014	4	4	3.75
citată în 15 lucrări:										
1	Y Tang, T Jin, RCC Flesch	Impact of different infusion rates on mass diffusion and treatment temperature field during magnetic hyperthermia	International Journal of Heat and Mass Transfer	4.346	124	639-645	2018			
2	A. F. Abu-Bakr, A. Y. Zubarev	Effect of Interparticle Interaction on Magnetic Hyperthermia—A Theoretical Study	Journal of Nanofluids	0.89	4(2)	147-150	2015			
3	A. Yu. Zubarev, A. F. Abu-Bakr, L. Yu. Iskakova, S. V. Bulycheva	Magnetic Hyperthermia in a system of Magnetically interacting particles	Magneto-hydrodynamics	0.588	51(4)	647-654	2015			
4	Yundong Tang, Rodolfo C C Flesch and Tao Jin	Numerical investigation of temperature field in magnetic hyperthermia considering mass transfer and diffusion in interstitial tissue	Journal of Physics D: Applied Physics	2.373	51(3)		2017			
5	Yuan Liang Tang, Lizhong Mu and Ying He	Numerical simulation of fluid and heat transfer in a biological tissue using an immersed boundary method mimicking the exact structure of the microvascular network	Tech Science Press Fluid Dynamic&Materials Processing	0.2			2019			

6	Y Tang, T Jin, RCC Flesch	Effect of mass transfer and diffusion of nanofluid on the thermal ablation of malignant cells during magnetic hyperthermia	Applied Mathematical Modeling https://doi.org/10.1016/j.apm.2019.11.007	2.841			2020			
7	Soltani, M (Soltani, M.) Tehrani, MHH (Tehrani, Masoud H. H.) Kashkooli, FM (Kashkooli, Farshad Moradi) Rezaeian, M (Rezaeian, Mohsen)	Effects of magnetic nanoparticle diffusion on microwave ablation treatment: A numerical approach	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	2.993	514		2020			
8	Y Tang, L Mu, Y He	Numerical simulation of fluid and heat transfer in biological tissue containing the exact structure of microvascular network using immersed boundary method	Fluid Dynamics & Materials Processing, 2020				2020			
9	Tang, YD (Tang, Yundong) Flesch, RCC (Flesch, Rodolfo C. C.) Jin, T (Jin, Tao) He, MH (He, Minhua)	Computational evaluation of malignant tissue apoptosis in magnetic hyperthermia considering intratumoral injection strategy	INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER	5.584	178		2021			
10	Tang, YD (Tang, Yundong) Flesch, RCC (Flesch, Rodolfo C. C.) Jin, T (Jin, Tao) Gao, YM (Gao, Yueming) He, MH (He, Minhua)	Effect of nanoparticle shape on therapeutic temperature distribution during magnetic hyperthermia	JOURNAL OF PHYSICS D-APPLIED PHYSICS	3.207	54(16)		2021			
11	Gunakala, SR (Gunakala, Sreedhara Rao) Job, VM (Job, Victor M.) Sakhamuri, S (Sakhamuri, Sateesh) Murthy, PVS (Murthy, P. V. S. N.) Chowdary, BV (Chowdary, B., V)	Numerical study of blood perfusion and nanoparticle transport in prostate and muscle tumours during intravenous magnetic hyperthermia	ALEXANDRIA ENGINEERING JOURNAL	3.732	60(1)	859-876	2021			

12	Roustaiei, M and Servatkhah, M	Effect of mass transfer and diffusion on temperature distribution during magnetic hyperthermia	Apr 15 2022 PHYSICA B-CONDENSED MATTER 631				2022			
13	Tang, YD; Zou, J; (...); He, MH	Thermal apoptosis analysis considering injection behavior optimization and mass diffusion during magnetic hyperthermia	Dec 1 2021 CHINESE PHYSICS B 31 (1)		31(1)		2021			
14	Tang, YD (Tang, Yun-Dong) ; Zou, J (Zou, Jian) ; Flesch, RCC (Flesch, Rodolfo C. C.); Jin, T (Jin, Tao)	Effect of injection strategy for nanofluid transport on thermal damage behavior inside biological tissue during magnetic hyperthermia DOI10.1016/j.icheatmasstransfer.2022.105979	INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER	6.782	133		2022			
15	Yundong Tang Jian Zou Rodolfo C.C.Flesch Tao Jin	Backflow modeling in nanofluid infusion and analysis of its effects on heat induced damage during magnetic hyperthermia	Applied Mathematical Modelling Volume 114, February 2023, Pages 583-600		114	583-600	2023			
2014	lordana AȘTEFĂNOAEI, Ioan DUMITRU, Alexandru STANCU , Horia CHIRIAC	21) Controlling Temperature in Magnetic Hyperthermia with low Curie Temperature Particles	Journal of Applied Physics	2.183	115(17)	17B531	2014	4	4	4.75

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1	George Zorbas , Theodoros Samaras	A study of the sink effect by blood vessels in radiofrequency ablation	Computers in Biology and Medicine	1.521	57(1)	182-186	2015			
2	Alan S. Edelstein	Magnetic Sensor	Wiley Encyclopedia of Electrical and Electronics Engineering	0			2016			

3	ND. Thorat, RA. Bohara, HM. Yaday, SAM. Tofail	Multi-modal MR imaging and magnetic hyperthermia study of Gd doped Fe ₃ O ₄ nanoparticles for integrative cancer therapy	RSC Advances	3.108	6	94967-94975	2016			
4	P.Coppola, F.G.da Silva, G.Gomide, F.L.O.Paula, A. F.C.Campos, R. Perzynski, C.Kern, J.Depeyrot, R. Aquino	Hydrothermal synthesis of mixed zinc-cobalt ferrite nanoparticles: structural and magnetic properties	Journal of Nanoparticle Research	2.02	18(138)		2016			
5	Wei Zhang, Xudong Zuo, Ying Niu, Chengwei Wu, Shuping Wang, Shui Guan and S. Ravi P. Silva	Novel nanoparticles with Cr ³⁺ substituted ferrite for self-regulating temperature hyperthermia	Nanoscale	7.233	9	139-13937	2017			
6	Yundong Tang, Rodolfo C. C. Flesch, and Tao Jin	Numerical analysis of temperature field improvement with nanoparticles designed to achieve critical power dissipation in magnetic hyperthermia	Journal of Applied Physics	2.176	122	34702	2017			
7	A Ahmad, H Bae, I Rhee, S Hong	Magnetic heating of triethylene glycol (TREG)-coated zinc-doped nickel ferrite nanoparticles	Journal of Magnetism and Magnetic Materials	2.683	447	42-47	2018			
8	Da-Ae Lee, Hong sub Bae IIsu Rhee	Cetyl Trimethyl Ammonium Bromide-coated Nickel Ferrite Nanoparticles for Magnetic Hyperthermia and T2 Contrast Agents in Magnetic Resonance Imaging	Journal of the Korean Physical Society	0.63	73(9)	1334-1339	2018			
9	Yundong Tang, Rodolfo C. C. Flesch, and Tao Jin	Numerical method to evaluate the survival rate of malignant cells considering the distribution of treatment temperature field for magnetic hyperthermia	Journal of Magnetism and Magnetic Materials	2.683	490	165458	2019			
10	Y. Tang RCC Flesch T. Jin	Effect of nanofluid distribution on therapeutic effect considering transient bio-tissue temperature during magnetic hyperthermia	JMMM		517		2020			

11	Jiming Ma, Song Zhang, Rijian Su*, Zhongzhou Du, Guoliang Zhang, Haoyang Chen and Shijiao Shan	Analytical calculation method of free static magnetic field point in magnetic signal measurement	Journal of Physics: Conference Series	ISI Proceeding			2019			
12	Sezer, N (Sezer, Nurettin) Ari, I (Ari, Ibrahim) Bicer, Y (Bicer, Yusuf) Koc, M (Koc, Muammer)	Superparamagnetic nanoarchitectures: Multimodal functionalities and applications	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	2.993	538		2021			
13	Nadarajah, R (Nadarajah, Ruksan) Landers, J (Landers, Joachim) Salamon, S (Salamon, Soma) Koch, D (Koch, David) Tahir, S (Tahir, Shabbir) Donate-Buendia, C (Donate-Buendia, Carlos) Zingsem, B (Zingsem, Benjamin) Dunin-Borkowski, RE (Dunin- Borkowski, Rafal E.) Donner, W (Donner, Wolfgang) Farle, M (Farle, Michael) Wende, H (Wende, Heiko) Gokce, B (Goekce, Bilal)	Towards laser printing of magnetocaloric structures by inducing a magnetic phase transition in iron- rhodium nanoparticles	Scientific Reports	4.38	11(1)		2021			
14	Tang, YD (Tang, Yundong) Jin, T (Jin, Tao) Flesch, RCC (Flesch, Rodolfo C. C.) Gao, YM (Gao, Yueming) He, MH (He, Minghua)	Effect of nanofluid distribution on therapeutic effect considering transient bio-tissue temperature during magnetic hyperthermia	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	2.993	517		2021			
15	Nadarajah, R (Nadarajah, Ruksan) Tahir, S (Tahir, Shabbir) Landers, J (Landers, Joachim) Koch, D (Koch, David) Semisalova, AS (Semisalova, Anna S.) Wiemeler, J (Wiemeler, Jonas) El-Zake, A (El-Zake, Ayman)	Controlling the Oxidation of Magnetic and Electrically Conductive Solid- Solution Iron-Rhodium Nanoparticles Synthesized by Laser Ablation in Liquids	NANOMATERIALS	5.076	10(12)		2020			
16	Mostafa Sefidgar Lida Alinezhad Ehsan BashookiPejman Shojaee Pejman Shojaee	Effect of different dynamic microvasculature in a solid tumor with the necrotic region during magnetic hyperthermia: An in-silico study	International Journal of Heat and Mass Transfer	5.431	189		2022			

17	Nahar, A (Nahar, A.); Maria, KH (Maria, Kazi Hanium) ; Liba, SI (Liba, S., I); Anwaruzzaman, M (Anwaruzzaman, Md); Khan, MNI (Khan, M. N., I); Islam, A (Islam, A.) ; Choudhury, S (Choudhury, Shamima); Hoque, SM (Hoque, S. M.)	Surface-modified CoFe ₂ O ₄ nanoparticles using Folate-Chitosan for cytotoxicity Studies, hyperthermia applications and Positive/Negative contrast of MRI	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	3.097	554		2022			
18	Ding, SW (Ding, Shuai-Wen); Wu, CW (Wu, Cheng-Wei) ; Yu, XG (Yu, Xiao-Gang) ; Dai, C (Dai, Chao); Zhang, W (Zhang, Wei) ; Gong, JP (Gong, Jian-Po)	Simulating Evaluation Method on Heating Performances of Magnetic Nanoparticles with Temperature-Dependent Heating Efficiencies in Tumor Hyperthermia	Magnetochemistry	3.336	8(6)		2022			
19	Merkel, DG (Merkel, Daniel Geza); Hegedus, G (Hegedus, Gergo) ; Gracheva, M (Gracheva, Maria) ; Deak, A (Deak, Andras); Illes, L (Illes, Levente) ; Nemeth, A (Nemeth, Attila); Maccari, F (Maccari, Fernando) ; Radulov, I (Radulov, Iliya) ; Major, M (Major, Marton) ; Chumakov, AI (Chumakov, Aleksandr, I) ; Bessas, D (Bessas, Dimitrios); Nagy, DL (Nagy, Denes Lajos) ; Zolnai, Z (Zolnai, Zsolt) ; Graning, S (Graning, Sara); Sajerman, K (Sajerman, Klara) ; Szilagyi, E (Szilagyi, Edit) ; Lengyel, A (Lengyel, Attila)	A Three-Dimensional Analysis of Magnetic Nanopattern Formation in FeRh Thin Films on MgO Substrates: Implications for Spintronic Devices	ACS applied nanomaterials	6.14	5(4)	5516-5526	2022			
2014	Ioordana AȘTEFĂNOAIE, Ioan DUMITRU, Alexandru STANCU , Horia CHIRIAC	22) Use of the Fe–Cr–Nb–B systems with low curie temperature as mediators in magnetic hyperthermia	IEEE Transactions on Magnetics	1.386	50(11)	4-Jan	2014	4	4	1.5
citată în 6 lucrări:										
1	CC. Cheng, JF Kiang	Efficacy of Magnetic and Capacitive Hyperthermia on Hepatocellular Carcinoma	Progress in Electromagnetic Research M	0.34	64	181-192	2018			

2	Y. Tang RCC Flesch T. Jin	Injection Strategy for the Optimization of Therapeutic Temperature Profile Considering Irregular Tumors in Magnetic Hyperthermia	IEEE Transactions on Magnetics	1.651	99		2018			
3	Yundong Tang ; Tao Jin ; Rodolfo C. C. Flesch	Numerical temperature analysis of magnetic hyperthermia considering nanoparticle clustering and blood vessels	IEEE Transactions on Magnetics	1.467	53(10)		2017			
4	Chien-Chang ChenJean-Fu Kiang	Electroquasistatic model of capacitive hyperthermia affected by heat convection	Progress In Electromagnetics Research C	0.59	89	61-74	2019			
5	Lang, HD; Xu, GY and Sarris, CD	A Wireless Power Transfer Route to Magnetically Mediated Hyperthermia	11th European Conference on Antennas and Propagation (EUCAP) 2017 2017 11TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP) , pp.3705-3709	Isi Proceeding			2017			
6	Yundong Tang, Jian Zou, Rodolfo C. C. Flesch and Tao Jin	Effect of bio-tissue deformation behavior due to intratumoral injection on magnetic hyperthermia	Chinesse Physics B				2022			
2016	M Pinto, M Pimpinella, M Quini, M D'Arienzo, I Astefanoaei, S Loreti, AS Guerra	23) A graphite calorimeter for absolute measurements of absorbed dose to water: application in medium-energy x-ray filtered beams,	Physics in Medicine and Biology	2.742	61(4)	1738	2016	7	6	1.666667

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1	James Renaud, Arman Sarfehnia, Julien Bancheri, Jan Seuntjens	Aerrow: A probe-format graphite calorimeter for absolute dosimetry of high-energy photon beams in the clinical environment	Medical Physics	3.177	45(1)		2018			
2	Ludwig Buermann Antonio Stefano Guerra Maria Pimpinella Massimo Pinto Benjamin Rapp	First international comparison of primary absorbed dose to water standards in the medium - energy X-ray range	Metrologia	3.411	53(1A)	6007	2016			
3	Michael J Lawless, Lianna Dimaso Benjamin Palmer John Micka Larry A DeWerd	Monte Carlo and 60 Co based kilovoltage x-ray dosimetry methods	Med Physics DOI: 10.1002/mp.13213	3.177			2018			
4	Robin Hill Brendan Healy Duncan Butler David Odgers Brendan Hill	Australasian recommendations for quality assurance in kilovoltage radiation therapy from the Kilovoltage Dosimetry Working Group of the Australasian College of Physical Scientists and Engineers in Medicine	Australasian physical & engineering sciences in medicine	1.43			2018			
6	J Renaud, H Palmans, A Sarfehnia and J Seuntjens	Absorbed dose calorimetry	Physics in Medicine & Biology	3.609	65(5)		2020			
7	James Renaud, Arman Sarfehnia, Julien Bancheri and Jan Seuntjens	Absolute dosimetry of a 1.5 T MR-guided accelerator-based high-energy photon beam in water and solid phantoms using Aerrow	Medical Physics	4.071			2020			
8	Rosado Salata	Determination of the absorbed dose to water for medium-energy x-ray beams using Fricke dosimetry	Medical Physics	4.071			2020			
9	Czarnecki, D (Czarnecki, Damian) Zink, K (Zink, Klemens) Pimpinella, M (Pimpinella, Maria) Borbinha, J (Borbinha, Jorge) Teles, P (Teles, Pedro) Pinto, M (Pinto, Massimo)	Monte Carlo calculation of quality correction factors based on air kerma and absorbed dose to water in medium energy x-ray beams	PHYSICS IN MEDICINE AND BIOLOGY	3.609	65(24)		2020			

10	Christensen, JB (Christensen, Jeppe Brage) Vestergaard, A (Vestergaard, Anne) Andersen, CE (Andersen, Claus E.)	Using a small-core graphite calorimeter for dosimetry and scintillator quenching corrections in a therapeutic proton beam	PHYSICS IN MEDICINE AND BIOLOGY	3.609	65(21)		2020			
11	Bancheri, J (Bancheri, Julien) Ketelhut, S (Ketelhut, Steffen) Burmann, L (Buermann, Ludwig) Seuntjens, J (Seuntjens, Jan)	Monte Carlo and water calorimetric determination of kilovoltage beam radiotherapy ionization chamber correction factors	PHYSICS IN MEDICINE AND BIOLOGY	3.609	65(10)		2020			
2016	lordana AȘTEFĂNOAEI, Horia CHIRIAC, Alexandru STANCU	24) Investigation of the temperature field in the magnetic hyperthermia using FeCrNbB magnetic particles	The European Physical Journal Plus	1.753	131(9)	322	2016	3	3	2.333333

citată în 7 lucrări:

1	Yundong Tang, Rodolfo C. C. Flesch, and Tao Jin	Numerical method to evaluate the survival rate of malignant cells considering the distribution of treatment temperature field for magnetic hyperthermia	Journal of Magnetism and Magnetic Materials	2.683			2019			
2	Yundong Tang, Rodolfo C. C. Flesch, and Tao Jin	Numerical analysis of temperature field improvement with nanoparticles designed to achieve critical power dissipation in magnetic hyperthermia	Journal of Applied Physics	2.176	122(034702)		2017			
3	Yundong Tang, Rodolfo C. C. Flesch, and Tao Jin	Effect of mass transfer and diffusion of nanofluid on the thermal ablation of malignant cells during magnetic hyperthermia	Applied Mathematical Modeling https://doi.org/10.1016/j.apm.2019.11.007				2020			

4	Tang, YD (Tang, Yundong) Su, H (Su, Hang) Flesch, RCC (Flesch, Rodolfo C. C.) Jin, T (Jin, Tao)	An optimization method for magnetic hyperthermia considering Nelder-Mead algorithm	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	2.993	545		2021			
5	Tang, YD (Tang, Yundong) Flesch, RCC (Flesch, Rodolfo C. C.) Jin, T (Jin, Tao) He, MH (He, Minhua)	Computational evaluation of malignant tissue apoptosis in magnetic hyperthermia considering intratumoral injection strategy	INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER	5.584	178		2021			
6	Tang, YD (Tang, Yundong) Flesch, RCC (Flesch, Rodolfo C. C.) Jin, T (Jin, Tao) Gao, YM (Gao, Yueming) He, MH (He, Minhua)	Effect of nanoparticle shape on therapeutic temperature distribution during magnetic hyperthermia	JOURNAL OF PHYSICS D-APPLIED PHYSICS	3.207	54(16)		2021			
7	Sandeep Nain Neeraj Kumar Neeraj Kumar Bhupendra Kumar chudasama Pramod Kumar Avti	The SLP estimation of the nanoparticle systems using size-dependent magnetic properties for the magnetic hyperthermia therapy	Journal of Magnetism and Magnetic Materials 565(1):170219		565(1)	170219	2022			
2016	Ioordana AȘTEFĂNOAEI, Ioan DUMITRU, Horia CHIRIAC, Alexandru STANCU	25) Thermofluid Analysis in Magnetic Hyperthermia Using Low Curie Temperature Particles	IEEE Transactions on Magnetics	1.243	52(7)	p04	2016	4	4	4.75

citată în 19 lucrări:

1	Y Tang, RCC Flesch, T Jin	A method for increasing the homogeneity of the temperature distribution during magnetic fluid hyperthermia with a Fe-Cr-Nb-B alloy in the presence of blood vessels	Journal of Magnetism and Magnetic Materials, 2017	3.046			2017			
2	Y Tang, T Jin, RCC Flesch	Numerical temperature analysis of magnetic hyperthermia considering nanoparticle clustering and blood vessels	IEEE Transactions on Magnetics	1.467			2017			

3	Y Tang, RCC Flesch, C Zhang, T Jin	Numerical analysis of the effect of non-uniformity of the magnetic field produced by a solenoid on temperature distribution during magnetic hyperthermia	Journal of Magnetism and Magnetic Materials	2.683				2018			
4	Y Tang, RCC Flesch, T Jin	Numerical investigation of temperature field in magnetic hyperthermia considering mass transfer and diffusion in interstitial tissue	Journal of Physics D: Applied Physics	2.373				2017			
5	Y Tang, RCC Flesch, T Jin	Injection Strategy for the Optimization of Therapeutic Temperature Profile Considering Irregular Tumors in Magnetic Hyperthermia IEEE Transactions on Magnetics,	IEEE Transactions on Magnetics	1.651				2018			
6	HD Lang, CD Sarris	Optimal design of implants for magnetically mediated hyperthermia: A wireless power transfer approach	Journal of Applied Physics, 2017	2.176				2017			
7	Wenta Wang Xiaoqia Fan Jinjing Qiu Malik Muhamma Umair Benzhi Ju Shufen Zhang Bingtao Tang	Extracorporeal magnetic thermotherapy materials for self-controlled temperature through phase transition	Chemical Engineering Journal	8.355	358(2)	1279-1286		2019			
8	Yun-Dong Tang Tao Jin Rodolfo C.C. Flesch Hai-Yan Jiang	Simultaneous Optimization of Injection Dose and Location for Magnetic Hyperthermia Using Metaheuristic Algorithms	IEEE Trans. Magn	1.751				2020			
9	Yundong Tang, Tao Jin, Rodolfo C. C. Flesch and Yueming Gao	Improvement of solenoid magnetic field and its influence on therapeutic effect during magnetic hyperthermia	Journal of Physics D: Applied Physics	3.207				2020			
10	Yundong Tang, Tao Jin, Rodolfo C.C. Flesch	Effect of mass transfer and diffusion of nanofluid on the thermal ablation of malignant cells during magnetic hyperthermia	Applied Mathematical Modeling https://doi.org/10.1016/j.apm.2019.11.007	5.129				2020			

11	M Sefidgar, E Bashooki, P Shojaee -	Numerical simulation of the effect of necrosis area in systemic delivery of magnetic nanoparticles in hyperthermia cancer treatment	Journal of Thermal Biology, 2020 - Elsevier	2.902			2020			
12	Tang, YD (Tang, Yundong) Su, H (Su, Hang) Flesch, RCC (Flesch, Rodolfo C. C.) Jin, T (Jin, Tao)	An optimization method for magnetic hyperthermia considering Nelder-Mead algorithm	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	2.993			2021			
13	Tang, YD (Tang, Yundong) Flesch, RCC (Flesch, Rodolfo C. C.) Jin, T (Jin, Tao) Gao, YM (Gao, Yueming) He, MH (He, Minhua)	Effect of nanoparticle shape on therapeutic temperature distribution during magnetic hyperthermia	JOURNAL OF PHYSICS D-APPLIED PHYSICS	3.207	54(16)		2021			
14	Shen, KM; Yan, YF; (...); Li, LX	Numerical simulation of the effect of injection sites arrangement on the thermal ablation in the magnetic fluid hyperthermia	Aug 1 2022 JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS 555				2022			
15	Roustaei, M and Servatkah, M	Effect of mass transfer and diffusion on temperature distribution during magnetic hyperthermia	Apr 15 2022 PHYSICA B-CONDENSED MATTER 631				2022			
16	Ding, SW (Ding, Shuai-Wen); Wu, CW (Wu, Cheng-Wei) ; Yu, XG (Yu, Xiao-Gang) ; Dai, C (Dai, Chao); Zhang, W (Zhang, Wei) ; Gong, JP (Gong, Jian-Po)	Simulating Evaluation Method on Heating Performances of Magnetic Nanoparticles with Temperature-Dependent Heating Efficiencies in Tumor Hyperthermia	Magnetochemistry	3.336	8(6)		2022			

17	Shen, KM (Shen, Kaiming); Yan, YF (Yan, Yunfei); Gao, W (Gao, Wei) ; Li, LX (Li, Lixian)	Numerical simulation of the effect of injection sites arrangement on the thermal ablation in the magnetic fluid hyperthermia	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	3.097			2022			
18	Lang, HD (Lang, Hans-Dieter); Xu, GY (Xu, Gengyu); Sarris, CD (Sarris, Costas D.)	A Wireless Power Transfer Route to Magnetically Mediated Hyperthermia Lang, HD; Xu, GY and Sarris, CD 11th European Conference on Antennas and Propagation (EUCAP) 2017 2017 11TH EUROPEAN CONFERENCE ON ANTENNAS AND PROPAGATION (EUCAP) , pp.3705-3709	Isi proceeding				2017			
19	Sefidgar, M (Sefidgar, Mostafa); Alinezhad, L (Alinezhad, Lida) ; Bashooki, E (Bashooki, Ehsan) ; Shojaee, P (Shojaee, Pejman)	Effect of different dynamic microvasculature in a solid tumor with the necrotic region during magnetic hyperthermia: An in-silico study	INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER	5.431	189					
	Astefanoaei I ; Stancu A and Chiriac H TIM15-16 Physics Conference 2017 TIM15-16 PHYSICS CONFERENCE 1796	26) Magnetic Hyperthermia with Fe - Cr- Nb - B Magnetic Particles	Isi proceeding				2017		3	0.666667
citata in 2 lucrari:										
1	Ziba Hedayatnasa, Wan Mohd Ashri Wan Daud	Review on magnetic nanoparticles for magnetic nanofluid hyperthermia application	Materials & Design	4.525	123(5)	174-196	2017			
2	Etemadi, H (Etemadi, Hossein) ; Plieger, PG (Plieger, Paul G.)	Magnetic Fluid Hyperthermia Based on Magnetic Nanoparticles: Physical Characteristics, Historical Perspective, Clinical Trials, Technological Challenges, and	ADVANCED THERAPEUTICS 3 (11)	5.003	3(11)		2020			

2017	Iordana AȘTEFĂNOAEI , Alexandru STANCU, Horia CHIRIAC	27) Numerical simulation of the temperature field in magnetic hyperthermia with Fe-Cr-Nb-B magnetic particles	The European Physical Journal Plus	2.249	132(2)	89	2017		3	2.333333
	citata in 7 lucrari									
1	Y. Tang RCC Flesch T. Jin, Gao	Effect of nanofluid distribution on therapeutic effect considering transient bio-tissue temperature during magnetic hyperthermia	JMMM	2.993	516		2020			
2	Yundong Tang, Tao Jin, Rodolfo C. C. Flesch and Yueming Gao	Improvement of solenoid magnetic field and its influence on therapeutic effect during magnetic hyperthermia,	Journal of Physics D: Applied Physics, (2020)	2.829			2020			
3	Tang, YD (Tang, Yundong) Flesch, RCC (Flesch, Rodolfo C. C.) Jin, T (Jin, Tao) He, MH (He, Minhua)	Computational evaluation of malignant tissue apoptosis in magnetic hyperthermia considering intratumoral injection strategy	INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER	5.584	178		2021			
4	Tang, YD (Tang, Yun-Dong) ; Zou, J (Zou, Jian) ; Flesch, RCC (Flesch, Rodolfo C. C.); Jin, T (Jin, Tao)	Effect of injection strategy for nanofluid transport on thermal damage behavior inside biological tissue during magnetic hyperthermia DOI10.1016/j.icheatmasstransfer.2022.105979	INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER	6.782	133		2022			
5	Tang, YD (Tang, Yundong) Flesch, RCC (Flesch, Rodolfo C. C.) Jin, T (Jin, Tao) Gao, YM (Gao, Yueming) He, MH (He, Minhua)	Effect of nanoparticle shape on therapeutic temperature distribution during magnetic hyperthermia	JOURNAL OF PHYSICS D-APPLIED PHYSICS	3.207	54(16)		2021			
6	Yundong Tang Jian Zou Rodolfo C.C.Flesch Tao Jin	Backflow modeling in nanofluid infusion and analysis of its effects on heat induced damage during magnetic hyperthermia	Applied Mathematical Modelling Volume 114, February 2023, Pages 583-600		114	583-600	2023			

7	Tang, YD (Tang, Yundong) Flesch, RCC (Flesch, Rodolfo C. C.) Jin, T (Jin, Tao) Gao, YM (Gao, Yueming) He, MH (He, Minhua)	Effect of nanoparticle shape on therapeutic temperature distribution during magnetic hyperthermia	JOURNAL OF PHYSICS D-APPLIED PHYSICS	3.207	54(16)		2021			
2017	lordana AȘTEFĂNOAEI , Alexandru STANCU, Horia CHIRIAC	28) Thermal performance of Fe-Cr-Nb-B systems in magnetic hyperthermia	Journal of Applied Physics	2.176	121(10)	104701	2017	3	3	3

citata in 9 lucrari:

1	Y Tang, RCC Flesch, T Jin	Numerical method to evaluate the survival rate of malignant cells considering the distribution of treatment temperature field for magnetic hyperthermia	Journal of Magnetism and Magnetic Materials	2.683			2019			
2	Y Tang, T Jin, RCC Flesch	Impact of different infusion rates on mass diffusion and treatment temperature field during magnetic hyperthermia	International Journal of heat and mass transfer	4.346	124	639-645	2018			
3	Shen, KM; Yan, YF; (...); Li, LX	Numerical simulation of the effect of injection sites arrangement on the thermal ablation in the magnetic fluid hyperthermia	Aug 1 2022 JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS 555				2022			
4	M.Soltani, Masoud H.H. Tehrani Farsha Moradi Kashkooli fMohsen Rezaeiana	Effects of magnetic nanoparticle diffusion on microwave ablation treatment: A numerical approach	JMMM	2.993	514(167196)		2020			
5	Y Tang, T Jin, RCC Flesch	Effect of mass transfer and diffusion of nanofluid on the thermal ablation of malignant cells during magnetic hyperthermia	Applied Mathematical Modeling https://doi.org/10.1016/j.apm.2019.11.007	2.841			2020			
6	Y Tang, T Jin, RCC Flesch, Y Gao	Effect of nanofluid distribution on therapeutic effect considering transient bio-tissue temperature during magnetic hyperthermia	JMMM	2.993			2021			

7	Murgulescu, I (Murgulescu, I) Ababei, G (Ababei, G.) Stoian, G (Stoian, G.) Danceanu, C (Danceanu, C.) Lupu, N (Lupu, N.) Chiriac, H (Chiriac, H.)	Fe-Cr-Nb-B magnetic nanoparticles prepared by arc discharge for hyperthermia	JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS	0.587	21 (11-12)	733-739	2019			
8	Hossain, S (Hossain, Shadeeb) ; Hossain, S (Hossain, Shamera)	Hyperthermia Using Magnetic Cobalt Ferrite Magnetolectric Nanoparticles	IEEE TRANSACTIONS ON MAGNETICS	1.848	58(12)		2022			
9	Etminan, A (Etminan, Andisheh) ; Dahaghin, A (Dahaghin, Ali) ; Emadiyanrazavi, S (Emadiyanrazavi, Seyedhamidreza) ; Salimibani, M (Salimibani, Milad); Eivazzadeh-Keihan, R (Eivazzadeh-Keihan, Reza) ; Haghpanahi, M (Haghpanahi, Mohammad) ; Maleki, A (Maleki, Ali)	Simulation of heat transfer, mass transfer and tissue damage in magnetic nanoparticle hyperthermia with blood vessels	JOURNAL OF THERMAL BIOLOGY	3.189	110		2022			
2011	Anamaria Doaga, Cristin Constantin, Alina Cojocaru, Iordana Astefanoaei, Ioan Dumitru, Ovidiu Caltun	29) Phenomenological study of thermal field generated by nanoparticles arrays in hyperthermia as treatment method	Journal of Advanced Research in Physics	0	2(1)	11110	2011	6	5.5	0.363636

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1	D Gogola, O Štrbák, A Krafčík, M Škrátek	Magnetic resonance imaging of the static magnetic field distortion caused by magnetic nanoparticles: Simulation and experimental verification	Journal of Magnetism and Magnetic Materials	2.357	380	261-265	2015			
2	Pandesh S., Haghjooy J Sh,	Targeted Photothermal Therapy of Melanoma in C57BL/6 Mice using Fe ₃ O ₄ @ Au Core-shell Nanoparticles and Near-infrared Laser	Journal of Biomedical Physics Engineering	1.34						

2017	lordana Aștefănoaei, Alexandru STANCU	30) Advanced thermo-mechanical analysis in the magnetic hyperthermia	Journal of Applied Physics	2.176	122(16)	164701	2017	2	2	2
citată în 3 lucrari:										
1	Xiaoya Li, Qing-Hua Qin, Xiaogeng Tian	Thermo-viscoelastic analysis of biological tissue during hyperthermia treatment	Applied Mathematical Modeling https://doi.org/10.1016/j.apm.2019.11.007	2.841			2019			
2	Nakonechna, OI (Nakonechna, O., I) Lotey, GS (Lotey, Gurmeet Singh) Tangra, AK (Tangra, Ankush Kumar) Singh, S (Singh, Sarbjit) Bodnaruk, AV (Bodnaruk, A., V) Zamorskyi, VO (Zamorskyi, V. O.) Belyavina, NN (Belyavina, N. N.) Sharay, IV (Sharay, I., V) Tovstolytkin, AI (Tovstolytkin, A., I)	Aging effects in NaFeO ₂ nanoparticles: Evolution of crystal structure and magnetic properties	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	2.993	540		2021			
3	Boekelheide, Z (Boekelheide, Z.) Hunagund, S (Hunagund, S.) Hussein, ZA (Hussein, Z. A.) Miller, JT (Miller, Jackson T.) El-Gendy, AA (El-Gendy, A. A.) Hadimani, RL (Hadimani, R. L.)	Particle size-dependent magnetic hyperthermia in gadolinium silicide micro- and nano-particles from calorimetry and AC magnetometry	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	2.993	519		2021			
4	Yundong Tang Jian Zou Rodolfo C.C.Flesch Tao Jin	Backflow modeling in nanofluid infusion and analysis of its effects on heat induced damage during magnetic hyperthermia	Applied Mathematical Modelling Volume 114, February 2023, Pages 583-600		114	583-600	2023			
2017	lordana Aștefănoaei, Alexandru STANCU	31) A temperature analysis in magnetic hyperthermia	AIP Conference Proceedings --Isti Conference Proceeding					2	2	1
1	Çiğdem E. Demirci Dönmez*, Çiğdem E. Demirci Dönmez Palash K. Manna Rachel, Nickel Selçuk Aktürk, Johan van Lierop*,	Comparative heating efficiency of cobalt-, manganese-, and nickel-ferrite nanoparticles for a hyperthermia agent in biomedicines	ACS Appl. Mater. Interfaces 2019	8.456						

2	Jyoti Prasad borah Molongnenla Jamir Molongnenla JamirChandan BorgohainChandan Borgohain	Influence of structure and magnetic properties of surface modified nanoparticles for hyperthermia application	Physica B Condensed Matter 648(Suppl 1)		DOI: 10.1016/j.physb.2022.414405		2022			
2017	lordana Aștefănoaei, Alexandru STANCU	32) Modeling of the temperature field in the Magnetic Hyperthermia	carte Clarivate					2	2	0.5
	Izaz Raouf, Salman Khalid, Asifkhan ...	A review on numerical modeling for magnetic nanoparticle hyperthermia: Progress and challenges	Journal of Thermal Biology, 2020	1.902	vol 91	102644				
2019	lordana Aștefanoaei, Alexandru Stancu	33) A computational study of the bioheat transfer in magnetic hyperthermia cancer therapy	Journal of Applied Physics (2019)	2.546	125(19)			2	2	4
	citata in 8 lucrari									
1	da Silva, MLF (Ferreira da Silva, Mario Luis) da Costa, AOS (Souza da Costa, Andrea Oliveira) Huebner, R (Huebner, Rudolf)	Analysis of the temperature influence on thermophysical properties in the three-dimensional numerical modeling of heat transfer in human biological tissue in the presence of a cancerous tumor	BRAZILIAN JOURNAL OF CHEMICAL ENGINEERING	1.232	38(4)		2021			
2	Dutta, J (Dutta, Jaideep) Kundu, B (Kundu, Balaram)	Hybrid analytical models to estimate non-equilibrium temperatures in live-tissues based on appropriate initial thermal-field and non-invasive therapeutic heating	JOURNAL OF APPLIED PHYSICS	2.546	129(10)		2021			
3	R.A. Rytov, Vasily A. Bautin, Nikolai A. Ussov	Towards optimal thermal distributions in magnetic hyperthermia	Scientific Reports		12(1)	3023	2022			

4	Sugumaran, PJ; Yang, Y; (...); Ding, J Jun 21 2021 May 2021 (Early Access) ACS APPLIED BIO MATERIALS 4 (6) , pp.4809-4820	Influence of the Aspect Ratio of Iron Oxide Nanorods on Hysteresis-Loss- Mediated Magnetic Hyperthermia	ACS APPLIED BIO MATERIALS 4 (6) , pp.4809-4820				2021			
5	Caddy, G (Caddy, George) ; Stebbing, J (Stebbing, Justin) ; Wakefield, G (Wakefield, Gareth); Adair, M (Adair, Megan); Xu, XY (Xu, Xiao Yun)	Multiscale Modelling of Nanoparticle Distribution in a Realistic Tumour Geometry Following Local Injection	CANCERS DOI10.3390/cancers14 235729	6.575			2022			
6	Hossain, S (Hossain, Shadeeb); Hossain, S (Hossain, Shamera)	Hyperthermia Using Magnetic Cobalt Ferrite Magnetoelectric Nanoparticles	IEEE TRANSACTIONS ON MAGNETICS	1.848	58(12)		2022			
7	Caddy, G (Caddy, George) ; Stebbing, J (Stebbing, Justin) ; Wakefield, G (Wakefield, Gareth) ; Xu, XY (Xu, Xiao Yun)	Modelling of Nanoparticle Distribution in a Spherical Tumour during and Following Local Injection	PHARMACEUTICS	6.528	14(8)		2022			
8	Tang, YD (Tang, Yun-Dong) ; Zou, J (Zou, Jian); Flesch, RCC (Flesch, Rodolfo C. C.) ; Jin, T (Jin, Tao)	Effect of injection strategy for nanofluid transport on thermal damage behavior inside biological tissue during magnetic hyperthermia	INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER	6.782	133		2022			
2019	Astefanoaei, Iordana Gimaev Radel, Zverev, Vladimir, Stancu Alexandru	34) Modelling of working parameters of Gd and FeRh nanoparticles for magnetic hyperthermia	MATERIALS RESEARCH EXPRESS	1.449	6(12)		2019		4	1.75
	citata in 7 lucrari									
1	R. R. Gimaev, A. A. Vaulin, A. F. Gubkin & V. I. Zverev,	Peculiarities of Magnetic and Magnetocaloric Properties of Fe–Rh Alloys in the Range of Antiferromagnet–Ferromagnet Transition,	Physics of Metals and Metallography (2020)	0.877	121	823-850	2021			

2	Mylla C. Ferreira, Bruno Pimentel, Vivian Andrade, Vladimir Zverev, Radel R. Gimaev, Andrei S. Pomorov, Alexander Pyatakov, Yulia Alekhina, Aleksei Komlev, Liudmila Makarova, Nikolai Perov and Mario S. Reis,	Understanding the Dependence of Nanoparticles Magnetothermal Properties on Their Size for Hyperthermia Applications: A Case Study for La-Sr Manganites,	Nanomaterials, vol 11 (7)	5.076	11(7)		2021			
3	Ruksan Nadarajah, Shabbir Tahir, Joachim Landers, David Koch, Anna S. Semisalova, Jonas Wiemeler, Ayman El-Zoka, Se-Ho Kim, Detlef Utzat, Rolf Möller, Baptiste Gault, Heiko Wende, Michael Farle and Bilal Gökce,	Controlling the Oxidation of Magnetic and Electrically Conductive Solid-Solution Iron-Rhodium Nanoparticles Synthesized by Laser Ablation in Liquids	Nanomaterials, vol 10 (12)	5.076			2021			
4	Ruksan Nadarajah, Joachim Landers, Soma Salamon, David Koch, Shabbir Tahir, Carlos Doñate-Buendía, Benjamin Zingsem, Rafal E. Dunin-Borkowski, Wolfgang Donner, Michael Farle, Heiko Wende & Bilal Gökce,	Towards laser printing of magnetocaloric structures by inducing a magnetic phase transition in iron-rhodium nanoparticles, Source:	Scientific Reports, 11 (13719)	4.379			2021			
5	Ziogas, P (Ziogas, Panagiotis) ; Bourlinos, AB (Bourlinos, Athanasios B.) ; Chatzopoulou, P (Chatzopoulou, Polyxeni) ; Dimitrakopoulos, GP (Dimitrakopoulos, George P.) ; Kehagias, T (Kehagias, Thomas) ; Markou, A (Markou, Anastasios); Douvalis, AP (Douvalis, Alexios P.)	Intriguing Prospects of a Novel Magnetic Nanohybrid Material: Ferromagnetic FeRh Nanoparticles Grown on Nanodiamonds	METALS	2.695	12(8)		2022			
6	Yildirim, H (Yildirim, Huseyin)	Theoretical investigation of Fe-Rh binary nanoalloys: Chemical ordering and magnetic behavior	INTERNATIONAL JOURNAL OF MODERN PHYSICS B	1.404	36(03)		2022			
7	Sandeep Nain, Neeraj Kumar, Neeraj Kumar, Bhupendra Kumar, Chudasama, Pramod Kumar, Avti	The SLP estimation of the nanoparticle systems using size-dependent magnetic properties for the magnetic hyperthermia therapy	Journal of Magnetism and Magnetic Materials 565(1):170219		565(1)	170219	2022			


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	citata in 3 lucrari									
1	Etminan, A (Etminan, Andisheh) ; Dahaghin, A (Dahaghin, Ali); Emadiyanrazavi, S (Emadiyanrazavi, Seyedhamidreza); Salimibani, M (Salimibani, Milad); Eivazzadeh-Keihan, R (Eivazzadeh-Keihan, Reza); Haghpanahi, M (Haghpanahi, Mohammad) ; Maleki, A (Maleki, Ali)	Simulation of heat transfer, mass transfer and tissue damage in magnetic nanoparticle hyperthermia with blood vessels DOI10.1016/j.jtherbio.2022.103371	JOURNAL OF THERMAL BIOLOGY	3.189		110	2022			
2	Chapa-Gonzalez, C (Chapa-Gonzalez, Christian) ; Sosa, KV (Valeria Sosa, Karla); Roacho-Perez, JA (Alberto Roacho-Perez, Jorge) ; Garcia-Casillas, PE (Elvia Garcia-Casillas, Perla)	Adsorption of serum protein in chitosan-coated and polyethyleneimine-coated magnetite nanoparticles DOI10.1557/s43580-021-00153-7	MRS ADVANCES	0.13	6(39-40)	913-917	2022			
3	Yundong Tang Jian Zou Rodolfo C.C.Flesch Tao Jin	Backflow modeling in nanofluid infusion and analysis of its effects on heat induced damage during magnetic hyperthermia	Applied Mathematical Modelling Volume 114, February 2023, Pages 583-600		114	583-600	2023			
2022	lordana Aștefănoaei , Alexandru Stancu,	36) Thermo-fluid porosity-related effects in the magnetic hyperthermia DOI10.1140/epjp/s13360-021-02229-7 136(12)	EUROPEAN PHYSICAL JOURNAL PLUS	3.752	136(12)		2021		2	0.5
	citata in lucrarea									
3	Yundong Tang Jian Zou Rodolfo C.C.Flesch Tao Jin	Backflow modeling in nanofluid infusion and analysis of its effects on heat induced damage during magnetic hyperthermia	Applied Mathematical Modelling Volume 114, February 2023, Pages 583-600		114	583-600	2023			

2022	lordana Aștefănoaei , Alexandru Stancu, DOI10.1140/epjp/s13360-022-03322-1	37) Heat transfer computations in an intravascular tumoral region for magnetic hyperthermia	EUROPEAN PHYSICAL JOURNAL PLUS	3.752	137(10)		2022		2	0
2007	lordana Aștefănoaei , Ioan Dumitru, Raimond Grimberg, Alexandru Stancu	38) The energetic states of quantum dots in the presence of a metallic layer	J.Magn Magn Mater	1.704	316(2)	e273-e275	2007	4	4	0
2007	Ioan Dumitru, lordana Aștefănoaei, Raimond Grimberg, Alexandru Stancu	39) The energy states of cylindrical quantum dots systems	JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS	0.577	10(2)	327-330	2008	4	4	0.25
	citata in lucrarea									
	Bera, A; Ghosh, A and Ghosh, M	Role of noise-binding energy interplay on Stark shift and dipole polarizabilities of impurity doped quantum dots	JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS		21(7-8)	pp.499-504	2019			
									Total	62.5446
									Min =	40


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14 februarie 2023


Conf. Dr. lordana Aștefănoaei

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 Astefanoaei, Iordana (Author)

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