

**Fișa privind standardele minimale pe domenii ale Universității
"Alexandru Ioan Cuza din Iași" pentru funcția didactică de
CONFERENȚIAR, 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 Conferențiar Universitar	Punctaj Realizat
1	$A \geq 1$	$A = 1.7667$
2	$I \geq 2$	$I = 5.1514$
3	$P \geq 2$	$P = 11.83$
4	$C \geq 20$	$C = 25.9755$
5	Indice Hirsch h (ISI WEB OF SCIENCE) ≥ 5	$h = 6$
6	$T \geq 5$	$T = 12.76$
	$T = A+(P/2)+(I/2)+(C/20)+(h/5)$	

Data,
10 Decembrie 2019

Semnătura,
Lect. 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	$A_2 = \sum 1/n_{i_eff}$	0.8333
	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
	Iordana Astefanoaei, Daniel Radu, Catalin Agheorghiesei, Dissipation and Thermal Time Constants in Graphite of an Ultra-Small Bead Thermistor (book chapter) în cartea:International Conference on Global Research and Education (2017), ISBN: 978-3-319-67458-2.		0.3333
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
	Daniel Radu, Iordana Aștefănoaei, Notiuni fundamentale si probleme de mecanica analitica, Editura SEDCOM LIBRIS (2005), ISBN 973-670-127-1.		0.25
	Daniel Radu, Iordana Astefanoaei, Ioan Merches, Culegere de probleme de electrodinamică Editura ȘTEF (2009), ISBN 978-973-1809-49-6.		0.1667
	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	$A_6 = \sum 0.2/n_{i_eff}$	0.35
	Iordana Astefanoaei, Alexandru Stancu, A temperature analysis in magnetic hyperthermia (2017), AIP CONF PROC - TIM17 Physics Conference, 1916 (1), 040009		0.1

	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
	Iordana 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
	Iordana Astefanoaei, Alexandru Stancu, Magnetic Nanoparticle Dosimetry in Hyperthermia Therapy, AIP CONF PROC - TIM19 Physics Conference, 2019 - Isi Proceeding (acceptată pentru publicare, in print).		0.1
	Massimo Pinto, Maria Pimpinella, Antonio Stefano Guerra, Iordana 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
7	Brevete de invenție internaționale acordate	$A_7 = \Sigma 3/n_{i_eff}$	0
8	Brevete de invenție naționale acordate	$A_8 = \Sigma 0.5/n_{i_eff}$	0
9	Director/responsabil/coordonator pt programe de studii, programe de formare continua, proiecte educaționale și proiecte de infrastructură	$A_9 = \Sigma 0.5$	0
10	Director/responsabil/coordonator pt proiecte de cercetare	A_{10}	0
	Total Realizat		1.7667
	Conferențiar	Minim	1

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

Data,
10 decembrie 2019

Semnătura candidat,
Lect. Dr. Iordana Aștefănoaei

Tipul Activităților		Autori	Indicatori (a)	Nr autori	Nr autori efectiv (ni_eff)	a/ ni_eff
2. Capitole de cărți în edituri internaționale recunoscute Web of Science						0.8333
Dissipation and Thermal Time Constants in Graphite of an Ultra-Small Bead Thermistor (book chapter) în cartea: International Conference on Global Research and Education, 2017	Recent Advances in Technology Research and Education Proceeding of the 16 th International Conference on Global Research and Education Inter-Academia, 2017 - Print ISBN: 978-3-319-67458-2; ISBN 978-3-319-67459-9 (eBook)	Daniel Radu, Iordana Astefanoaei, Cătălin Agheorghiesei	1	3	3	0.3333
Modeling of the Temperature Field in the Magnetic Hyperthermia, (2018);	Carte: Numerical Simulations in Engineering and Science, IntechOpen - ISBN 978-1-78923-451-0, https://mts.intechopen.com/books/process/aboutthebook/chapter/131832/book/6088	Iordana Astefanoaei, Alexandru Stancu	1	2	2	0.5000
4. Cărți - publicate în Edituri Naționale						0.5833
Noțiuni fundamentale și probleme de mecanică analitică (2005)	Editura SEDCOM LIBRIS (2005), (510 pagini), ISBN 973-670-127-1	Daniel Radu, Iordana Aștefănoaei	0.5	2	2	0.2500
Modele speciale de Univers și patologii spațio-temporale, (2007);	Editura Universitatii "Alexandru Ioan Cuza" din Iași (2007), (235 pagini) ISBN 978-973-703-205-8	Iordana Aștefănoaei, Ciprian Dariescu, Marina-Aura Dariescu	0.5	3	3	0.1667

Culegere de probleme de electrodinamica (2009)	Editura ȘTEF (2009), (400 pagini), ISBN 978-973-1809-49-6	Daniel Radu, Iordana Astefanoaei, Ioan Merches	0.5	3	3	0.1667
6. Lucrări în extenso (cel puțin 3 pag) publicate în Proceedings-uri indexate ISI						0.3500
Monitoring the thermal effects in the magnetic hyperthermia (2013)	IEEE-2013 E-HEALTH AND BIOENGINEERING CONFERENCE (EHB), 2013 ISBN: 978-1-4799-2373-1, 978-1-4799-2372-4	Iordana Astefanoaei, Alexandru Stancu, Horia Chiriac, Ioan Dumitru	0.2	4	4	0.0500
Development of a new in-water-phantom graphite calorimeter for the measurement of absorbed dose to water in medium energy x-ray beams (2014).	16th International Congress of Metrology, 05009, (2013) – EDP Sciences- Web of Conferences (indexat https://www.webofconferences.org/organizers), http://cfmetrologie.edpsciences.or http://dx.doi.org/10.1051/metrology/201305009 .	Massimo Pinto, Maria Pimpinella, Antonio Stefano Guerra, Iordana Astefanoaei, Maurizio Quini, Maria Pia Toni	0.2	6	5.5	0.0333
Magnetic hyperthermia with Fe-Cr-Nb-B magnetic particles (2017).	AIP CONF PROC - TIM15-16 Physics Conference, 1796 (1), 040006, (2017).	Iordana Astefanoaei, Alexandru Stancu, Horia Chiriac	0.2	3	3	0.0667
A temperature analysis in magnetic hyperthermia (2017).	AIP CONF PROC - TIM17 Physics Conference, 1916 (1), 040009, (2017)	Iordana Astefanoaei, Alexandru Stancu	0.2	2	2	0.1000
Magnetic Nanoparticle Dosimetry in Hyperthermia Therapy, (2019).	AIP CONF PROC - TIM19 Physics Conference, (2019)	Iordana Astefanoaei, Alexandru Stancu	0.2	2	2	0.1000
					Total	1.7667

Data,
10 decembrie 2019

Semnătura candidat,
Lect. 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	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	0.0000
2	Astefanoaei Iordana; Stancu Alexandru	A computational study of the bioheat transfer in magnetic hyperthermia cancer therapy	J. APPL.PHYS	2019	2.328	125 (19)	194701	*	0.5440	0.5440		2	2.0000	0.2720	0.0000
3	Astefanoaei Iordana; Chiriac Horia; Stancu Alexandru	Thermal performance of Fe-Cr-Nb-B systems in magnetic hyperthermia	J. APPL.PHYS	2017	2.176	121 (10)	104701-104712	*	0.5610	0.5610		3	3	0.1870	0.6667
4	Astefanoaei Iordana; Stancu Alexandru	Advanced thermo-mechanical analysis in the magnetic hyperthermia	J. APPL.PHYS	2017	2.176	122 (16)		*	0.5610	0.5610		2	2	0.2805	0.5000
5	Astefanoaei Iordana; Stancu Alexandru; Chiriac	Numerical simulation of the temperature field in magnetic hyperthermia	EUR J PHYS PLUS	2017	2.249	132 (2)	89	*	0.4060	0.4060		3	3	0.1353	0.0000

6	Astefanoaei Iordana ; Chiriac Horia; Stancu Alexandru	Investigation of the temperature field in the magnetic hyperthermia using FeCrNbB magnetic	EUR J PHYS PLUS	2016	1.753	131 (9)	322	*	0.3810	0.3810	3	3	0.1270	0.6667
7	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	0.8333
8	Astefanoaei Iordana ; 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	1.7500
9	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	3.15	352	54-59	-	0.5740	0.0000	4	4	0.1435	0.0000
10	Astefanoaei Iordana ; 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	1.2500
11	Astefanoaei Iordana ; 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	1.0000

12	Astefanoaei Iordana ; Dumitru Ioan; Chiriac Horia; Stancu Alexandru	Controlling temperature in magnetic hyperthermia with low Curie temperature particles	J. APPL.PHYS	2014	2.183	115 (17)	17b531	*	0.6820	0.6820	4	4	0.1705	2.2500
13	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	0.1550	0.0000
14	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	0.6667
15	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	0.1550	0.0000
16	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	1.4286

17	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
18	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
19	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	0.5000
20	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	0.3333
21	Dumitru Ioan; Astefanoaei Iordana ; Stancu Alexandru	The energy eigenstates of two quantum dots systems placed at the air-semiconductor interface	J OPTOELECTRON ADV M	2009	0.433	11 (5)	542-546	-	0.1150	0.0000	3	3	0.0383	0.0000
22	Goian Veronica; Dumitru Ioan; Astefanoaei Iordana ; Stancu Alexandru	The effect of temperature on magnetostatic interactions in nanowires systems	J OPTOELECTRON ADV M	2009	0.433	11(8)	1100-1105	-	0.1150	0.0000	4	4	0.0288	0.0000

23	Dumitru Ioan; Astefanoaei Iordana ; Grimberg Raimond; Stancu Alexandru	The energy states of cylindrical quantum dot systems	J OPTOELECTRON ADV M	2008	0.577	10 (2)	327-330	-	0.1130	0.0000	4	4	0.0283	0.0000
24	Astefanoaei Iordana ; Dumitru Ioan; Diaconu Andrei; Spinu Leonard; Stancu Alexandru	The temperature dependence of hysteretic processes in Co nanowires arrays	J. APPL. PHYS	2008	2.201	103 (7)	07D930	*	0.9450	0.9450	5	5	0.1890	0.6000
25	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	*	0.1130	0.1130	3	3	0.0377	0.0000
26	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
27	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
28	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

29	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
30	Astefanoaei Iordana ; 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	0.3333
31	Astefanoaei Iordana ; 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
32	Astefanoaei Iordana ; 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	*	0.1610	0.1610	3	3	0.0537	0.0000
33	Astefanoaei Iordana ; 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
34	Astefanoaei Iordana ; 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
35	Astefanoaei Iordana ; 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	3.3333

36	Astefanoaei Iordana ; 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	0.0000
37	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
38	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	1.0000
39	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	3.0000
38	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
39	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	0.3333

40	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(05 009)			0.0000	0.0000	7	6	0.0000	0.1667
41	Iordana AȘTEFĂNOAEI, Ioan DUMITRU, Alexandru STANCU and Horia CHIRIAC	Monitoring the thermal effects in the magnetic hyperthermia	E-Health and Bioengineerin g Conference (EHB), ISI Conference Proceeding	2013	0		0		0.0000	0.0000	4	4	0.0000	0.2500
										P =			I =	C =
										11.83			5.1514	25.9755
									minim	2.0000		minim	2	20.0000

Data,
10 decembrie 2019

Semnătura candidat,
Lect. 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	A model of the DC Joule heating in amorphous wires	Physica Status Solidi (A)	0.547	153(1)	183-189	1996	2	2	3

citată în 6 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	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	book chapter- Characterization of the Piezoresistive Effect in p-Type Single Crystalline 3C-SiC	Piezoresistive Effect of p-Type Single Crystalline 3C-SiC (Springer book)	0						
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	1.243	53(4)		2016			
2005	Iordana Aștefănoaei, D. Radu, H. Chiriac	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

citată în 3 lucrări:

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			

2005	Iordana Aștefănoaei, D. Radu, H. Chiriac	Temperature Distributions in DC Joule-Heated Amorphous Ribbons	Physica Status Solidi (A)	1.041	202(13)	19-2435-20	2005	3	3	1
citată în 3 lucrări:										
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			
2006	Iordana Aștefănoaei, D. Radu, H. Chiriac	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	3.33333
citată în 10 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		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 Fe75Si10B15-Co75Si10B15 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	A. Zhukov, M. Ipatov, J.J. Val, V. Zhukova	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	Appl. Phys. Lett	3.495	111	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. DzhumazodaN. A. YudanovA. T. MorchenkoM. A. Dzhuraev	Magnetic Anisotropy and Super-Sensitive Stress-Magnetoimpedance in Microwires with Positive Magnetostriction	Physics of the Solid State	0.95	61(8)	1409–1415	2019			
2006	Iordana Aștefănoaei, D. Radu, H. Chiriac	The supplementary compression stresses in Fe-B-Si wires	Journal of Optoelectronics and Advanced Materials	1.106	8(5)	1736-1741	2006	3	3	0.33333

citată în lucrarea:

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	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

citata in lucrarea:

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,	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	0.33333

citată în lucrarea:

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			2017			
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2007	lordana Aștefănoaei , Ioan Dumitru, Raimond Grimberg, Alexandru Stancu	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
citată în lucrarea:										
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	WIREs Nanomedicine and Nanobiotechnology	5.681	2	48-58	2010			
2008	lordana Aștefănoaei , Horia Chiriac, Alexandru Stancu	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	0.66667
citată în 2 lucrări:										
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	lordana AȘTEFĂNOAEI , Ioan DUMITRU, Andrei DIACONU, Leonard SPINU, Alexandru STANCU	The temperature dependence of hysteretic processes in Co nanowires arrays	Journal of Applied Physics	2.201	103(7)	07D930	2008	5	5	0.6
citată în 3 lucrări:										
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	1.653	7	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	1.5			2018			
2010	Daniel Radu, Antonio Stefano Guerra, Cristina Ioniță, lordana Aștefănoaei	Heat loss through connecting thermistor wires in a three-body graphite calorimeter	Metrologia	1.688	47(3)	179	2010	4	4	0.5

citată în 2 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			
2010	Cristina IONITĂ, Daniel RADU, Iordana AȘTEFĂNOAEI	Radiative Heat Loss Correction for 3-Body Graphite Calorimeters	Acta Physica Polonica A	0.467	118(4)		2010	3	3	0.33333

citată în lucrarea:

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			
2011	Marina-Aura DARIESCU, Ovidiu BUHUCIANU, Iordana AȘTEFĂNOAEI	Chiral electrons in static fields at finite temperature	Romanian Journal in Physics	0.414	56(9-10)	1043-1052	2011	3	3	1

citată în 3 lucrări:

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	Induced Thermal Stresses in Core Shell Magnetic Particles	IEEE Transactions on Magnetics	1.363	47(10)	3829-3832	2011	3	3	1

citată în 3 lucrări:

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(1441)		2014			
2	Domenico Truzzolillo, Dimitris Vlassopoulos, Mario Gauthier and Abdul Munam	Thermal melting in depletion gels of hairy nanoparticles	Soft Matter	4.151	38		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	A standard graphite calorimeter for dosimetry in brachytherapy with high dose rate 192Ir sources	Metrologia	1.902	49(5)	S179	2012	9	7	1.42857

citată în 10 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						
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			
2013	Iordana AȘTEFĂNOAEI, Ioan DUMITRU, Alexandru STANCU	Size-dependent thermal stresses in the core-shell nanoparticles	Chinese Physics B	1.393	22(12)	128102	2013	3	3	0.66667
citată în 2 lucrări:										
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			
2013	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	ISI Proceeding			2013	4	4	0.25
citată în lucrarea:										
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			
2013	Massimo Pinto, Maria Pimpinella, Antonio Stefano Guerra, Iordana Aștefănoaei, 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	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	Iordana AȘTEFĂNOAEI, Ioan DUMITRU, Alexandru STANCU , Horia CHIRIAC	A thermo-fluid analysis in magnetic hyperthermia	Chinese Physics B	1.603	23(4)	44401	2014	4	4	1.25
citată în 5 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	Magnetohydro-dynamics	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			
2014	Iordana AȘTEFĂNOAEI, Ioan DUMITRU, Alexandru STANCU , Horia CHIRIAC	Controlling Temperature in Magnetic Hyperthermia with low Curie Temperature Particles	Journal of Applied Physics	2.183	115(17)	17B531	2014	4	4	2.25
citată în 9 lucrări:										
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. Yadav, 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	94967-94973	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			

2014	Iordana AȘTEFĂNOAEI, Ioan DUMITRU, Alexandru STANCU , Horia CHIRIAC	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
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citată în 4 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			
2016	M. PINTO, M. PIMPINELLA, M. QUINI, M D'ARIENZO, I. AȘTEFĂNOAEI, S. LORETI, A.S. GUERRA	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	0.83333

citată în 5 lucrări:

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 BüermannAntonio Stefano GuerraMaria PimpinellaMassimo PintoBenjamin 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 LawlessLianna DimasoBenjamin PalmerJohn MickaLarry 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 HillBrendan HealyDuncan ButlerDavid OdgersBrendan 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			2018			
5	James Renaud, Hugo Palmans, Arman Sarfehnia, Jan Seuntjens	Absorbed dose calorimetry	Phys Med Biol doi: 10.1088/1361-6560/ab4f29.	3.03			Oct-19			
2016	Iordana AȘTEFĂNOAEI, Horia CHIRIAC, Alexandru STANCU	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	0.66667

citată în 2 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			
2016	Iordana AȘTEFĂNOAEI, Ioan DUMITRU, Horia CHIRIAC, Alexandru STANCU	Thermofluid Analysis in Magnetic Hyperthermia Using Low Curie Temperature Particles	IEEE Transactions on Magnetics	1.243	52(7)	p04	2016	4	4	1.75

citată în 7 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 HyperthermiaIEEE 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 Wanga Xiaoqia FanbJinjing 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			
2016	Iordana AȘTEFĂNOAEI, Alexandru STANCU, Horia CHIRIAC	Magnetic hyperthermia with Fe-Cr-Nb-B magnetic particles	AIP Conference Proceedings --Isi Conference Proceeding	0	1796(1)	40006	2017	3	3	0.33333

citata in lucrarea:

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			
2017	Iordana AȘTEFĂNOAEI, Alexandru STANCU, Horia CHIRIAC	Thermal performance of Fe-Cr-Nb-B systems in magnetic hyperthermia	Journal of Applied Physics	2.176	121(10)	104701	2017	3	3	0.66667

citata in 2 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			
2011	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	0	2(1)	11110	2011	6	5.5	0.36364
citată în 2 lucrari:										
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 Fe3O4@ Au Core-shell Nanoparticles and Near-infrared Laser	Journal of Biomedical Physics Engineering	1.34						
2017	Iordana Aștefănoaei, Alexandru STANCU	Advanced thermo-mechanical analysis in the magnetic hyperthermia	Journal of Applied Physics	2.176	122(16)	164701	2017	2	2	0.5
citată în lucrarea:										
	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			
									Total	25.9755
									Min = 20	

Data,
10 decembrie 2019

Candidat
Lect. Dr. Iordana Aștefănoaei