

Universitatea Transilvania din Braşov	Poz. Postului: 16
Facultatea de Medicina	Disciplinele postului:
Departamentul: Disciplinelor Fundamentale Profilactice şi Clinice	Fizică; Translatarea cercetării ştiinţifice în domeniul sănătăţii; Chimie analitică.

## FIŞA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR UNIVERSITĂŢII

Conferenţiar universitar, poziţia nr. 16

Publicat în Monitorul Oficial al României nr. 345 din data de 24.04.2018

Candidat: Monica Florescu  
Funcţia actuală: Şef de lucrări

Data naşterii: 27.07.1970  
Instituţia: Universitatea *Transilvania* din Braşov

### 1. Studii universitare (licenţă şi masterat)

Nr. Crt.	Instituţia de învăţământ superior şi facultatea	Domeniul	Perioada	Titlul acordat
1	Universitatea din Bucureşti, Facultatea de Fizică	Fizică	1988-1993	Licenţiat în fizică

### 2. Studii de doctorat

Nr. Crt.	Instituţia organizatoare de doctorat	Domeniul	Perioada	Titlul acordat
1	Universitatea din Bucureşti, Facultatea de Fizică	Fizică	2000-2007	Doctor în fizică

### 3. Studii şi burse postdoctorale (stagii de cel puţin 6 luni)

Nr. Crt.	Instituţia	Domeniul/ Specializarea	Perioada	Titlul de bursă
1	Universitatea Wisconsin-Milwaukee, USA	Fizică/ Biofizică	2007-2008	postdoctoral

### 4. Standarde minimale ale universităţii şi CNATDCU (comisia Medicina)

Post didactic	Realizări conform standardelor proprii ale universităţii
Conferenţiar Universitar	(i) Nr. Articole ISI Autor Principal: 15 (ii) Nr. Articole ISI Coautor: 11 (iii) Index Hirsch: 10 (iv) (ISI) Factor cumulat de impact autor principal (FCIAP): 25.874

### Condiţii minimale CNATDCU

Nr. Crt.	Categorie		
	Domeniul de activitate	Condiţii Conferenţiar de îndeplinit	Condiţii Conferenţiar realizate
1	Nr. Articole ISI Autor Principal	6	15
2	Nr. Articole ISI Coautor	3	11
3	Index Hirsch	4	10
4	FCIAP	6	25,874

Nr. Crt.	Articole în reviste cotate ISI Autor Principal	Factor de impact
1	<b>M. Florescu</b> and A. Katerkamp, <i>Optimisation of a polymer membrane used in optical oxygen sensing</i> , <b>Sensors and Actuators B</b> 97 (2004) 39–44, DOI: 10.1016/S0925-4005(03)00603-8	2.083
2	<b>M. Florescu</b> and C.M.A. Brett, <i>Development and characterization of cobalt hexacyanoferrate modified carbon electrodes for electrochemical biosensors</i> , <b>ANALYTICAL LETTERS</b> Vol. 37, No. 5, pp. 871–886, 2004, DOI: 10.1081/AL-120030284	1.165
3	<b>M. Florescu</b> and C.M.A. Brett, <i>Development and evaluation of electrochemical enzyme biosensors based on carbon film electrodes</i> , <b>Talanta</b> 65 (2005) 306–312, doi:10.1016/j.talanta.2004.07.003	2.391
4	<b>M. Florescu</b> , M. Barsan, R. Pauliukaite, C. M.A. Brett, <i>Development and application of oxysilane sol–gel electrochemical glucose biosensors based on cobalt hexacyanoferrate modified carbon film electrodes</i> , <b>Electroanalysis</b> 19, 2007, No. 2-3, 220 – 226, DOI: 10.1002/elan.200603714	2.949
5	<b>M. Florescu</b> and C.M.A. Brett, <i>Evaluation of cobalt hexacyanoferrate modified carbon film electrodes for electrochemical glucose biosensors</i> , <b>Revue Roumaine de Chimie</b> , 2007, 52(10), 969–974	0.262
6	<b>M. Florescu</b> and C.M.A. Brett, <i>Nanostructured biosensors development for environmental measurements</i> , <b>JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS</b> Vol. 10, No. 3, March 2008, p. 713 - 716	0.577
7	<b>M. Florescu*</b> , <i>Third International Conference: Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences (IC-ANMBES 2014) June 13-15, 2014, Brasov, Romania</i> , <b>Analytical Letters</b> , VOL. 49,(3), 2016, 331-334. <a href="https://doi.org/10.1080/00032719.2015.1070167">https://doi.org/10.1080/00032719.2015.1070167</a>	1.150
8	<b>M. Florescu</b> , W. Hu, <i>Evaluation of Si nanowire as biosensing device</i> , <b>Journal of optoelectronics and advanced materials</b> , Vol. 17, No. 7-8, July – August 2015, p. 1092 - 1098, ISSN: 1454 – 4164, eISSN: 1841-7132.	0.383
9	C. Rădulescu, C. Stihî, M. Ilie, D. Lazurcă, R. Gruia, O. T. Olaru, O. Bute, I. D. Dulamă, R. Știrbescu, S. Teodorescu, <b>M. Florescu*</b> , <i>Characterization of Phenolics in Lavandula angustifolia</i> , <b>Analytical Letters</b> , VOL. 50,(17), 2017, 2839–2850. <a href="http://dx.doi.org/10.1080/00032719.2016.1264409">http://dx.doi.org/10.1080/00032719.2016.1264409</a>	1.150
10	<b>M. Florescu*</b> , <i>4th International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences, IC-ANMBES 2016: June 29-July 1 2016, Brasov - Romania</i> ( <a href="http://icanmbes.unitbv.ro">http://icanmbes.unitbv.ro</a> ), <b>Analytical Letters</b> , VOL. 50,(17), 2017, 2661-2664. <a href="https://doi.org/10.1080/00032719.2017.1354869">https://doi.org/10.1080/00032719.2017.1354869</a>	1.206
11	<b>M. Florescu*</b> , M. David, <i>Tyrosinase-based biosensor for selective dopamine detection</i> , 2017, <b>Sensors Journal</b> , 2017, 17, 1314; doi:10.3390/s17061314.	2.677
12	<b>M. Florescu*</b> , C. Stihî, C. Rădulescu, I. D. Dulamă, O. Bute, R. Știrbescu, S. Teodorescu, A. Serban, <i>Mineral composition of lavandula angustifolia flowers and hippophae rhamnoides fruits extracts</i> , <b>Journal of Science And Arts</b> , 4(41), 2017, 789-794.	0.000

13	M. David, M. M. Barsan, C. M.A. Brett, and <b>M. Florescu*</b> , <i>Improved Glucose Label-Free Biosensor with Layer-by-Layer Architecture and Conducting Polymer poly(3,4-ethylenedioxythiophene)</i> , 2018, <b>Sensors and Actuators B Chem.</b> , 255, 2018, 3227-3234. <a href="https://doi.org/10.1016/j.snb.2017.09.149">https://doi.org/10.1016/j.snb.2017.09.149</a>	5.667
14	M. David, M. Badea, <b>M. Florescu*</b> , <i>Development and evaluation of sol-gel-based biosensors for cadmium ions detection</i> , <b>Environmental Engineering and Management Journal</b> , 17(2), 2018.	1.334
15	C. G. Chilom, M. Bacalum, M. M. Stanescu, <b>M. Florescu*</b> , <i>Insight into the interaction of human serum albumin with folic acid: A biophysical study</i> , <b>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</b> , 2018, 204, 648–656. DOI: 10.1016/j.saa.2018.06.093	2.880

Nr. Crt.	Articole în reviste cotate ISI Coautor	Factor de impact
1	S. De Luca, <b>M. Florescu</b> , M.E. Ghica, A. Lupu, G. Palleschi, C.M.A. Brett and D. Compagnone, <i>Carbon film electrodes for oxidase-based enzyme sensors in food analysis</i> , <b>Talanta</b> 68 (2005) 171–178, DOI: 10.1016/j.talanta.2005.06.017	2.391
2	R. Pauliukaite, <b>M. Florescu</b> , C. M. A. Brett, <i>Characterization of cobalt- and copper hexacyanoferrate-modified carbon film electrodes for redox-mediated biosensors</i> , <b>J Solid State Electrochem</b> (2005) 9: 354–362, DOI: 10.1007/s10008-004-0632-8	1.158
3	F. N. Crespilho, M. E. Ghica, <b>M. Florescu</b> , F. C. Nart, O. N. Oliveira, Jr. C. M.A. Brett, <i>A strategy for enzyme immobilization on layer-by-layer dendrimer–gold nanoparticle electrocatalytic membrane incorporating redox mediator</i> , <b>Electrochemistry Communications</b> 8 (2006) 1665–1670, DOI: 10.1016/j.elecom.2006.07.032	3.484
4	M. M. Barsan, E. M. Pinto, <b>M. Florescu</b> , and C. M.A. Brett, <i>Development and characterization of a new conducting carbon composite electrode</i> , <b>Analytica Chimica Acta</b> 635 (2009) 71–78, doi:10.1016/j.aca.2009.01.012	3.757
5	M.R. Stoneman, <b>M. Florescu</b> , M.P. Fox, W.D. Gregory, A. Hudetz, V. Raicu, <i>Non-Debye dielectric behaviour and near-field interactions in biological tissues: when structure meets function</i> , <b>Journal of Non-Crystalline Solids</b> 356 (2010) 772–776, doi:10.1016/j.jnoncrysol.2009.06.056	1.492
6	L. Floroian, F. Sima, <b>M. Florescu</b> , M. Badea, A.C. Popescu, N. Serban, I.N. Mihailescu, <i>Double layered nanostructured composite coatings with bioactive silicate glass and polymethylmetacrylate for biomimetic implant application</i> , <b>Journal of Electroanalytical Chemistry</b> 648 (2010) 111–118, doi:10.1016/j.jelechem.2010.08.005	2.733
7	L. Floroian, <b>M. Florescu</b> , F. Sima, G. Popescu-Pelin, C. Ristoscu, I.N. Mihailescu, <i>Synthesis of biomaterial thin films by pulsed laser technologies: Electrochemical evaluation of bioactive glass-based nanocomposite coatings for biomedical applications</i> , <b>Materials Science and Engineering: C</b> , Volume 32, Issue 5, 1 July 2012, Pages 1152–1157. Imprint: ELSEVIER, ISSN: 0928-4931. DOI 10.1016/j.msec.2012.03.001, DOI 10.1016/j.msec.2012.03.001)	2.404

8	Barsan, M.M., David, M., <b>Florescu, M.</b> , Țugulea, L., Brett, C.M.A. <i>A new self-assembled layer-by-layer glucose biosensor based on chitosan biopolymer entrapped enzyme with nitrogen doped graphene</i> , <b>Bioelectrochemistry</b> , 99, pp. 46-52, 2014, Publisher: Elsevier, ISSN: 1567-5394. DOI: 10.1016/j.bioelechem.2014.06.004	4.172
9	L. Floroian, <b>M. Florescu</b> , D. Munteanu, M. Badea, G. Popescu-Pelin, C. Ristoscu, F. Sima, M.C. Chifiriuc, I.N. Mihailescu, <i>A new concept of stainless steel medical implant based upon composite nanostructures coating</i> , <b>Digest Journal of Nanomaterials and Biostructures</b> , Vol. 9, No. 4, October - December 2014, p. 1555 - 1568.	0.945
10	M. David, M. M. Barsan, <b>M. Florescu</b> , and C. M.A. Brett, <i>Acidic and Basic Functionalized Carbon Nanomaterials as Electrical Bridges in Enzyme Loaded Chitosan/Poly(styrene sulfonate) Self-Assembled Layer-by-Layer Glucose Biosensors</i> , <b>Electroanalysis</b> , 2015, 27, 1 – 12, Online ISSN: 1521-4109, DOI: 10.1002/elan.201500171	2.471
11	F. A. Martin, D. Marconi, S. Neamtu, T. Radu, <b>M. Florescu</b> , R. Turcu, C. Lar, N. D. Hădade, I. Grosuc, I. Turcu, <i>“Click” access to multilayer functionalized Au surface: A terpyridine patterning example</i> , <b>Materials Science and Engineering C</b> , 75 (2017) 1343–1350. ISSN: 0928-4931, DOI: 10.1016/j.msec.2017.03.033.	5.080

#### 5. Standarde minimale ale universității și CNATDCU (comisia Fizica)

Post didactic	Realizări conform standardelor proprii ale universității
Conferențiar Universitar	(i) Indicator activitate didactică și profesională (A): 5.40 (ii) Indicatori activitate de cercetare (I, P): I = 3.68, P = 5.25 (iii) Indicatori recunoașterea impactului activității (C, h): C = 134.36, h = 10. (iv) Punctaj total: T = 18.58

Condiții minimale CNATDCU			
Nr. Crt.	Categorii		
	Domeniul de activitate	Condiții Conferențiar de îndeplinit	Condiții Conferențiar realizate
1	Activitate didactică și profesională	$A = \sum A_i \geq 1$	A = 5,40
2	Activitate de cercetare	$I = \sum a(i)/n_{ef}(i) \geq 2$ , $P = \sum a(i) \geq 2$	I = 3.68, P = 5.25
3	Recunoaștere impactului activității	$C = \sum c(i)/n_{ef}(i) \geq 20$ , $h \geq 5$	C = 134.36, h = 10
Total		$T = A + P/2 + I/2 + C/20 + h/5$ $T \geq 5$	T = 18.58

#### 1. Activitate didactică și profesională

Nr. Crt.	Tipul activităților	Indicatori
1	Carti in edituri internationale recunoscute WoS in calitate de autor	A1 = 0
2	Capitole de carti in edituri internationale recunoscute WoS in calitate de autor/Review-uri in reviste cotate ISI	A2 = 0

3	Carti in edituri internationale recunoscute WoS in calitate de editor	A3 = 0
4	Carti, manuale didactice, indrumare de laborator in edituri nationale sau alte edituri internationale ca autor, note interne, prezentari sustinute pentru aprobarea analizelor de date in cazul colaborarilor mari	A4 = 1,08
5	Capitole de carti in edituri nationale sau alte edituri internationale ca autor	A5 = 1,57
6	Lucrari in extenso (cel putin 3 pagini) publicate in Proceedings-uri indexate ISI	A6 = 0,05
7	Brevete de inventie internationale acordate	A7 = 0
8	Brevete de inventie nationale acordate	A8 = 0
9	Director/responsabil/coordonator pentru programe de studii, programe de formare continua, proiecte educationale si proiecte de infrastructura (proiectele de cercetare se exclud)	A9 = 0
10	Director/responsabil pentru proiecte de cercetare în valoare $V_i$ euro castigate prin competiție nationala sau internationala (proiectele de la punctul 9 se exclud).	A10=2,69

## 2. Activitate de cercetare

Nr. Crt.	Tipul activitatilor	Indicatori
1	Articole stiintifice in extenso ca autor	I = 3,68
2	Articole stiintifice originale in extenso ca prim autor sau autor corespondent, conform mentiunilor de pe articol.	P = 5,25

## 3. Recunoasterea impactului activitatii

Nr. Crt.	Tipul activitatilor	Indicatori
1	Citari in revsite stiintifice cu factor de impact care se regasesc in InCites Journal Citation Reports sau in carti recunoscute WoS	C = 134,36
2	Indicele Hirsch	h = 10

### Activitate didactica si profesionala

1. M. Florescu, Metode Biofizice de Analiza – Senzori si Biosenzori, Editura Universitatii „Transilvania”, Brasov, 2008, ISBN 978-973-598-270-6. Nr. Pag. 114.
2. M. Florescu, A. Armaselu, N. Dihoiu, Fizica Moleculara si Caldura, Editura Universitatii „Transilvania”, Brasov, 2007, ISBN 978-973-598-069-6.
3. M. Florescu, S.Adam, N. Dihoiu, Fizica Generala, Editura Universitatii „Transilvania”, Brasov, 2007, ISBN 978-973-598-173-0.
4. M. Florescu, N. Dihoiu, Biofizica si fizica generala-Lucrari practice, Editura Universitatii „Transilvania”, Brasov, 2004, 142 pag, ISBN 973-635-317-6. Nr. Pag. 140.
5. M. David, M. Florescu, Biomolecular interaction evaluation using surface plasmon resonance. SPR biosensors, in: Biophysics for Biomedical and Environmental Sciences (Edited by Monica Florescu), pp. 211-223, Transilvania University Press, Brasov, 2016, ISBN 978-606-19-0768-7.
6. M. Florescu, Biosensors as molecular diagnostic tool for early detection of cancer protein biomarkers, in: Methods for Diseases Diagnostic with Applicability in Practice, Edited by Antonella Chesca, LAP Lambert Academic Publishing, 2014, ISBN 3847345028, 978-3-8473-4502-2.
7. M. David, M. Florescu, M. M. Barsan, L. Tugulea and C. M.A. Brett, Development and Characterization of Layer-by-Layer Biosensors Based on PEI(+)/GOx(-) Layers Using Label-Free Methods, in Sensing in Electroanalysis, Vol. 8 (K. Kalcher, R. Metelka, I. Švancara, K. Vytřas; Eds.), pp. 329-346. 2013/2014 University Press Centre, Pardubice, Czech Republic. ISBN 978-80-7395-782-7 (printed); 78-80-7395-783-4 (pdf).
8. V. Veregut, M. Florescu, M. Badea, Classic and modern methods for detection of serotonin, in Sensing in Electroanalysis. Volume 7 (K. Kalcher, R. Metelka, I. Švancara, K. Vytřas; Eds.). pp. 97–106, 2012, University Press Centre, Pardubice, Czech Republic. ISBN 978-80-7395-563-2 (printed); 978-80-7395-564-9 (on-line).
9. V. Buzea, M. Florescu, M. Badea, Detection of heavy metals in biological samples through anodic stripping voltammetry, in Sensing in Electroanalysis. Volume 7 (K. Kalcher, R. Metelka, I. Švancara, K. Vytřas; Eds.). pp. 97–106, 2012, University Press Centre, Pardubice, Czech Republic. ISBN 978-80-7395-563-2 (printed); 978-80-7395-564-9 (on-line).
10. M. Florescu, Label free biosensors in human molecular diagnostics of diseases, pag. 135-147, in Diagnostic Methods in Human Pathology, Edited by Antonella Chesca, Transilvania University Press, Brasov, ISBN 978-606-19-0059-6, 2012.
11. M. David, M. Badea, M. Florescu, Performance evaluation of acetylcholinesterase-based biosensors for heavy metal detection, in: Sensing in Electroanalysis, Vol. 6 (K. Kalcher, R. Metelka, I. Švancara, K. Vytřas; Eds.), pp. 337-346. 2011 University Press Centre, Pardubice, Czech Republic. ISBN 978-80-7395-434-5 (printed); 978-80-7395-435-2 (on-line).
12. Badea M., Idomir M., Florescu M., Rogozea L., Electrochemical sensing in telemedicine, in Sensing in Electroanalysis, in: Sensing in Electroanalysis, Vol. 6 (K. Kalcher, R. Metelka, I. Švancara, K. Vytřas; Eds.), pp. 337-346. 2011 University Press Centre, Pardubice, Czech Republic. ISBN 978-80-7395-434-5 (printed); 978-80-7395-435-2 (on-line).
13. M. Florescu, Biophysical methods used for molecular diagnostics in human pathology, in Methods for Cellular and Molecular Diagnostics in Human Pathology, Eds. A. Chesca si M. Ozturk, Istanbul University Press House, 2011. ISBN 978-975-404-895-7.

14. M. Florescu, Mass sensitive sensors and EQCM application in life sciences in Bioanalytical Methods for Life Sciences. Chromathography. Sensors and Biosensors, Eds. M. Badea, M. Florescu, Transilvania University Press, 2010. ISBN 978-973-598-723-7.
15. Švancara, M. Florescu, L. Baldrianová, E. Svobodová, M. Stočes, M. Badea, Carbon Paste Electrodes Modified with a Hydrolytic Product Obtained from an Antimony(III) Salt, in: Sensing in Electroanalysis, Vol. 5, Eds: K. Vytras, K. Kalcher, I. Svancara, University Press Centre, Pardubice, Czech Republic, 2010. ISBN 978-80-7395-348-5 (printed); 978-80-7395-349-2 (on-line).
16. M. Florescu, Dielectric spectroscopy and dielectrophoretic separation methods used in biomedical applications, in Bioanalytical Methods for Life Sciences. Chromathography. Sensors and Biosensors, Eds. M. Badea, M. Florescu, Transilvania University Press, 2010. ISBN 978-973-598-723-7.
17. M. Badea, M. Florescu, Gh. Coman, N. Taus, J.-L. Marty, Characterisation of electrochemical sensors and enzymatic methods used for ascorbic acid detection, in: Sensing in Electroanalysis, Vol. 4, Eds: K. Vytras, K. Kalcher, I. Svancara, University Press Centre, Pardubice, Czech Republic, 2009. ISBN 978-80-7395-9.
18. M. Badea, M. Florescu, Gh. Coman, A. Chesca, J.-L. Marty, Comparative Studies for Pollutants Detection Using Electrochemical Sensors and Enzyme-Based Biosensors in: Sensing in Electroanalysis, Vol. 4, Eds: K. Vytras, K. Kalcher, I. Svancara, University of Pardubice, 2009. ISBN 978-80-7395-9.
19. M. Badea, M. Florescu, Ghe. Coman, „Immunofluorescence” in Analytical biotechnology. Principles and applications, Editura Universitatii Transilvania Brasov, 2004, ISSN 1584-0506, ISBN 973-635-393-1. Nr. Pag. 7.
20. M. David, M. Florescu\*, M. M. Barsan, C. M.A. Brett, Label-free evaluation of carbon nanoparticles in Layer-by-Layer self-assembled enzyme-based biosensors, Procedia Technology 27 ( 2017 ) 304 – 305; DOI: 10.1016/j.protcy.2017.04.125.

<b>Programul/Proiectul</b>	<b>Funcția</b>	<b>Perioada:</b>	<b>Valoare Lei</b>
PN-III-Proiecte de cercetare complexe, PN-III-P1-1.2-PCCDI2017-0062, nr. 58/2018	Responsabil proiect	2018-2020	614672
PN-II –Tinere Echipe PN-II-RU-TE-2014-4-2801 nr 199 din 01/10/2015.	Director proiect	2015-2017	549700
MCI nr. 10M/18.05.2018, Contract de finanțare a manifestărilor științifice și evenimentelor asociate, IC-ANMBES 2018.	Director proiect	2018	8000
ANCS nr. 48M/08.05.2016, Contract de finanțare a manifestărilor științifice și evenimentelor asociate, IC-ANMBES 2016.	Director proiect	2016	7000
ANCS nr. 18M/08.05.2014, Contract de finanțare a manifestărilor științifice și evenimentelor asociate, IC-ANMBES 2014.	Director proiect	2014	4000
ANCS nr. 48M/26.05.2010, Contract de finanțare a manifestărilor științifice și evenimentelor asociate, IC-ANMBES 2010.	Director proiect	2010	6380
PNCDI2-Parteneriate nr 72-172. 01.10.2008 “Tehnici de inalta precizie si sensibilitate aplicate in retele de biomonitorizare a poluarii mediului cu factori poluanti din zonele de dezvoltare de sud, sud-est si centrala ale Romaniei - TIPSARMER”,	Responsabil proiect	2008-2011	46119



**Activitate de cercetare**  
**Recunoasterea impactului activitatii**

Nr. Crt.	Articole în reviste cotate ISI	a(i)	n	nef(i)	a(i)/ nef(i)	c(i)	c(i)/ nef(i)
						<b>474</b>	
1	<b>M. Florescu</b> and A. Katerkamp, “ <i>Optimisation of a polymer membrane used in optical oxygen sensing</i> ”, <b>Sensors and Actuators B</b> 97 (2004) 39–44, DOI: 10.1016/S0925-4005(03)00603-8	0.8071	2	2	0.4036	15	7.50
2	<b>M. Florescu</b> and C.M.A. Brett, “ <i>Development and characterization of cobalt hexacyanoferrate modified carbon electrodes for electrochemical biosensors</i> ”, <b>ANALYTICAL LETTERS</b> Vol. 37, No. 5, pp. 871–886, 2004, DOI: 10.1081/AL-120030284	0.3073	2	2	0.1537	40	20.00
3	S. De Luca, <b>M. Florescu</b> , M.E. Ghica, A. Lupu, G. Palleschi, C.M.A. Brett and D. Compagnone, <i>Carbon film electrodes for oxidase-based enzyme sensors in food analysis</i> , <b>Talanta</b> 68 (2005) 171–178, DOI: 10.1016/j.talanta.2005.06.017	0.797	7	6	0.1328	26	4.33
4	<b>M. Florescu</b> and C.M.A. Brett, “ <i>Development and evaluation of electrochemical enzyme biosensors based on carbon film electrodes</i> ”, <b>Talanta</b> 65 (2005) 306–312, doi:10.1016/j.talanta.2004.07.003	0.797	2	2	0.3985	58	29.00
5	R. Pauliukaite, <b>M. Florescu</b> , C. M. A. Brett, „ <i>Characterization of cobalt- and copper hexacyanoferrate-modified carbon film electrodes for redox-mediated biosensors</i> ”, <b>J Solid State Electrochem</b> (2005) 9: 354–362, DOI: 10.1007/s10008-004-0632-8	0.4951	3	3	0.165	45	15.00
6	F. N. Crespilho, M. E. Ghica, <b>M. Florescu</b> , F. C. Nart, O. N. Oliveira, Jr. C. M.A. Brett, <i>A strategy for enzyme immobilization on layer-by-layer dendrimer–gold nanoparticle electrocatalytic membrane incorporating redox mediator</i> , <b>Electrochemistry Communications</b> 8 (2006) 1665–1670, DOI: 10.1016/j.elecom.2006.07.032	1.1813	6	5.5	0.2148	133	24.18
7	<b>M. Florescu</b> , M. Barsan, R. Pauliukaite, C. M.A. Brett, <i>Development and application of oxysilane sol–gel electrochemical glucose biosensors based on cobalt hexacyanoferrate modified carbon film electrodes</i> , <b>Electroanalysis</b> 19, 2007, No. 2-3, 220 – 226, DOI: 10.1002/elan.200603714	0.705	4	4	0.1763	20	5.00

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