ANEXA 3b

UNIVERSITATEA POLITEHNICA DIN BUCURESTI

FIŞA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR DE SUSŢINEREA TEZEI DE ABILITARE

IONITA MARIANA
Departamentului de Bioinginerie si Biotehnologie, Facultatea de Inginerie Medicala

Condiţii	**Îndeplinire condiţii**	
A. Doctor	Diploma de Doctor în domeniul Chimie, nr 290 din 19.11.2008, seria F Nr 0012265, emisă de Universitatea Politehnica din Bucureşti în baza OMEC nr. 5837 din 04.11.2008	
B. Îndeplinirea standardelor minime naţionale conform OMECTS nr. 6129/20.12.2016; **Profesor universitar, Comisia CNATDCU nr. 8**	Standarde indeplinite, conform Comisiei CNATDCU Anexa nr. 8 - Inginerie Chimică, Inginerie Medicală, Ştiinţa Materialelor si Nanomateriale Anexată: Fişa de calcul si de sustinere a indeplinirii standardelor minimale specifice domeniului, in acord cu realizarile mentionate:	
Condiţii minimale Conferentiar universitar	**Punctaj Minim prevăzut**	**Punctaj Realizat**
a) NTOP ≥ 4 ;NTOP = număr total de articole în reviste ISI situate în top 25% (zona roşie) în calitate de autor principal.	4	**13** (Tabel 3b.1)
b) **NP ≥ 20** ; NP = număr articole în reviste ISI la care candidatul este autor principal (prim autor sau autor de corespondenţă)	20	**30** (Tabel 3b.1)
c) **FIC≥30** ; FIC = factor de impact cumulat (suma factorilor de impact ale revistelor)	30	**95.5** (Tabel 3b.1)
d) **NC ≥ 120** NC = număr total de citări (din baza SCOPUS)	120	**667**
e) **NCO > = 1** (în calitate de Director proiect)	1	**4**
C. Atestarea studiilor (diploma + Foi Matricole) şi a altor realizari profesionale	Diplomă de Inginer, în domeniul Chimie Nr.1361 din 04.02.2002 emisă de Universitatea Politehnica din Bucureşti	
	Diplomă de Studii Aprofundate, în domeniul Termodinamica si Electrochimie Avansata Nr. 447 din 14.03.2003 emisă de Universitatea Politehnica din Bucureşti	
	Diplomă de studii post-doctorale în domeniul Ştiinţe Exacte-Chimie, emisă de Universitatea POLITEHNICA din Bucureşti______________________________ Alte Certificate Certificat de Absolvire pentru Nivelul I si II seria D, Nr. 0002869/25.02.2002 emis de Departamentul pentru pregatirea personalului didactic, Universitatea Politehnica din Bucuresti	

Subsemnata Ionita Mariana, declar pe propria răspundere, cunoscând prevederile art. 292 privind falsul în declaraţii, din Legea 286/2009 - Codul Penal, ca sunt indeplinite toate Standardele minimale prevazute de Metodologia UPB 2013 si sustin veridicitatea informatiilor prezentate in dosar si in materialul de mai sus. Lucrarile considerate a fi incluse in Baza ISI Thomson Reuters sau in alte Baze de Date Internationale [BDI] sunt vizibile in aceste baze, in dreptul numelui candidatului, la aceasta data.

Candidat, **Data**, 04.03.2019

IN CONTINUARE: Fişa de calcul si de susţinere a îndeplinirii standardelor minimale specifice domeniului, în acord cu realizările menţionate

CANDIDAT IONITA MARIANA

Departamentului de Bioinginerie si Biotehnologie, Facultatea de Inginerie Medicala
Fişa de calcul si de susţinere a îndeplinirii standardelor minimale specifice domeniului, în acord cu realizările menţionate

Tabel 3b.1. Verificare criterii NP, FIC si NT

Nr.	Autori/Denumire articol/Revista	FI 2017/2018	Nr. Autori	NP (Autor principal)	FIC
1.	**Locul 2 din 26--zona rosie** Vlăsceanu, G.M., Iovu, H., **Ioniţă, M**., Graphene inks for the 3D printing of cell culture scaffolds and related molecular arrays, Composites Part B: Engineering, Volum 162, pagini 712-723, Article	4.92	3	DA	4.92
2.	**Locul 52 din 171-zona galbena** Becheru, D.F., Vlăsceanu, G.M. Banciu, A., Vasile, E., **Ioniţă, M,.** Burns, J.S.Optical graphene-based biosensor for nucleic acid detection; influence of graphene functionalization and ionic strength, International Journal of Molecular Sciences Open Access, Volum 19, 2018,WOS:000448951000385, **ISSN:** 1422-0067- Article	3.687	6	DA	3.687
3.	**Locul 66 din 161-zona galbena** Amarandi RM, Becheru, DF, Vlasceanu GM, **Ionita M**, Burns JS, Advantages of Graphene Biosensors for Human Stem Cell Therapy Potency Assays, BIOMED RESEARCH INTERNATIONAL,ISSN: 2314-6133, WOS:000433530100001- Article	2.583	5	DA	2.583
4.	**Locul 2 din 72--zona rosie** **Ioniţă, M.,** Crică, L.E., Voicu, S.I., Dinescu, S., Miculescu, F., Costache, M., Iovu, H., Synergistic effect of carbon nanotubes and graphene for high performance cellulose acetate membranes in biomedical applications, Carbohydrates Polymers, Volum 183, 2018, Pagini 50-61, ISSN: 0144-8617, WOS:000423715000006-Article	5.158	7	DA	5.158
5.	**Locul 2 din 26--zona rosie** **Ioniţă M.,** Vlăsceanu G.M., Watzlawek A.A.,Voicu S.I., Burns J.S., Iovu H.Graphene and functionalized graphene: Extraordinary prospects for nanobiocomposite materials, Compoaites Part B: engineering , 2017, 121, pagini 34-57, WOS:000407413000004 - article	4.92	6	DA	4.92
6.	**Locul 10 din 25-zona galbena**, Pandele Andreea Madalina, **Ionita Mariana**, Lungu Adriana, Vasile Eugenia, Zaharia Catalin, Iovu, Horia, Porous Chitosan/Graphene Oxide Biocomposites for Tissue Engineering, POLYMER COMPOSITES, 2017, 38 (2), pagini 363-370 DI 10.1002/pc.23594, WOS:000397292900016, Article	1,943	6	DA	1,943

7.	**Locul 255 din 264- zona gri**, Voicu Nicolae Vladimir, Crica Livia Elena, Pandele Andreea Madalina, Damian Celina Maria, Vasile Eugenia, **Ionita Mariana**, Graphene Oxide Reinforced Gelatin-poly(vinyl alcohol) Porous Composites for Biomedical Applications, MATERIALE PLASTICE, ISSN 0025-5289, 2016, 53(3), pagini 399-405,WOS:000384870300013, Article	1,248	6	DA	1,248
8.	**Locul 14 din 87--zona rosie**, **Ionita Mariana,** Crica Livia Elena, Vasile Eugenia, Dinescu Sorina, Pandele Madalina Andreea, Costache Marieta, Haugen Havard Jostein, Iovu Horia Effect of carboxylic acid functionalized graphene on physical-chemical and biological performances of polysulfone porous films, POLYMER, ISSN 0032-3861, 2016, 92, 1-12 DI 10.1016/j.polymer.2016.03.040 WOS:000374817900001	3,483	8	DA	3,483
9.	**Locul 57 din 85 - zona gri**, **Ionita Mariana,** Pandele Andreea Madalina, Crica Livia Elena, Obreja Alexandru Cosmin, Preparation and characterization of polysulfone/ammonia-functionalized graphene oxide composite membrane material, HIGH PERFORMANCE POLYMERS, ISSN 0954-0083, 2016, 28(2), 181-188DI 10.1177/0954008315576233 WOS:000370420300007, Article	1,047	4	DA	1,047
10.	**Locul 32 din 85- zona galbena**, **Ionita Mariana**, Crica Livia Elena, Voicu, Stefan Ioan, Pandele, Andreea Madalina, Iovu, Horia. Fabrication of cellulose triacetate/graphene oxide porous membrane, POLYMERS FOR ADVANCED TECHNOLOGIES, ISSN 1042-7147, 2016, 27(3), 350-357, DI 10.1002/pat.3646 WOS:000369874300009, Article	2,137	5	DA	2,137
11.	**Locul 8 din 31 -zona rosie**, **Ionita Mariana**, Crica L. E, Tiainen H., Haugen H. J., Vasile E., Dinescu S., Costachec M, Iovu, H. Gelatin-poly(vinyl alcohol) porous biocomposites reinforced with graphene oxide as biomaterials, JOURNAL OF MATERIALS CHEMISTRY B, ISSN 2050-750X, 2016, 4(2), 282-291DI 10.1039/c5tb02132d UT WOS:000367335200012, Article	4,776	8	DA	4.772
12.	**Locul 2 din 26- -zona rosie**, **Ionita Mariana**, Vasile Eugenia, Crica Livia Elena, Voicu Stefan Ioan, Pandele Andreea Madalina, Dinescu Sorina, Predoiu Loredana, Galateanu Bianca Hermenean Anca, Costache Marieta, Synthesis, characterization and in vitro studies of polysulfone/graphene oxide composite membranes, COMPOSITES PART B-ENGINEERING, ISSN 1359-8368, 2015, 72, 108-115DI 10.1016/j.compositesb.2014.11.040 WOS:000349729300013, Article	4.92	10	DA	4.92
13.	**Locul 75 din 80-zona gri**, Istrate A., Aprodu I., Banu I., Vasile E, Pilan L., **Ionita Mariana**, Single molecule level investigations on bone morphogenetic proteins binding to graphene, DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES, ISSN 1842-3582, 2014, 9(4), 1399-1406, WOS:000346138800012, Article	0,673	6	DA	0,673
14.	**Locul 2 din 26- -zona rosie**, **Ionita Mariana,** Pandele Andreea Madalina, Crica Livia, Pilan Luisa, Improving the thermal and mechanical properties of polysulfone by incorporation of graphene oxide, COMPOSITES PART B-ENGINEERING, ISSN 1359-8368, 2014, 59, 133-139 DI 10.1016/j.compositesb.2013.11.018 UT WOS:000331019700015, Article	4.92	4	DA	4.92
15.	**Locul 8 din 71-zona rosie,** Pandele Andreea Madalina, **Ionita Mariana**, Crica, Livia Dinescu, Sorina, Costache Marieta, Iovu Horia, Synthesis, characterization, and in vitro studies of graphene oxide/chitosan-polyvinyl	5.158	6	DA	5.158

	alcohol films CARBOHYDRATE POLYMERS, ISSN 0144-86172014, 102, 813-820 DI 10.1016/j.carbpol.2013.10.085 WOS:000331779600105, Article				
16.	**Locul 10 din 25-zona galbena,**Pandele, Andreea Madalina, Dinescu Sorina, Costache Marieta, Vasil, Eugenia, Obreja Cosmin, Iovu Horia, **Ionita Mariana**, Preparation and *In Vitro*, Bulk, and Surface Investigation of Chitosan/Graphene Oxide Composite Films, POLYMER COMPOSITES ISSN 0272-8397, 2013, 34(12)DI 10.1002/pc.22620 UT WOS:000326916700016, Article	1,943	7	DA	2.004
17.	**Locul 75 din 80-zona gri,** Voicu, S. I., Pandele, M. A., Vasile, E., Rughinis, R., Crica, L., Pilan, L., **Ionita Mariana.**The impact of sonication time through polysulfone-graphene oxide composite films properties, DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES, ISSN 1842-3582, 2013, 8(4), 1389 -1394, WOS:000327818000005, Article	0,673	7	DA	0.756
18.	**Locul 8 din 71-zona rosie, Ionita Mariana**, Pandele Madalina Andreea, Iovu Horia, Sodium alginate/graphene oxide composite films with enhanced thermal and mechanical properties, CARBOHYDRATE POLYMERS, ISSN 0144-8617, 2013, 94(1), 339-344 DI 10.1016/j.carbpol.2013.01.065 WOS:000317888500046, Article	5.158	3	DA	5.158
19.	**Locul 75 din 80-zona gri,**Aprodu Iuliana, Banu Iuliana, Istrate Adrian Vasile Eugenia, Pandele Andreea Madalina, Vasile Eugeniu, **Ionita Mariana**, Molecular dynamics analysis of bone morphogenetic protein-2 conformations and mechanical properties, DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES, ISSN 1842-3582, 2013, 8(1), 81-87WOS:000316441200009, Article	0,673	7	DA	0.756
20.	**Locul 2 din 26-zona rosie, Ionita Mariana**, Multiscale molecular modeling of SWCNTs/epoxy resin composites, mechanical behavior, COMPOSITES PART B-ENGINEERING, ISSN 1359-8368, 2012, 43(8), 3491-3496 DI 10.1016/j.compositesb.2011.12.008 WOS:000310403600071, Article	4.92	1	DA	4.858
21.	**Locul 75 din 80-zona gri,** Pilan L., Raicopol M., Vasile, E., **Ionita Mariana**. The effect of incorporation of different carbon nanotubes on the properties of polypyrrole nanocomposite - molecular modeling and experimental investigations, DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES, ISSN 1842-3582, 2012, 7(3), 1253-1262 UT WOS:000312709300044, Article	0,673	4	DA	0.756
22.	**Locul 2 din 26-zona rosie, Ionita, Mariana,** Iovu, Horia, Mechanical properties, urea diffusion, and cell cultural response of poly(vinyl alcohol)-Chitosan bioartificial membranes via molecular modelling and experimental investigation, COMPOSITES PART B-ENGINEERING ISSN 1359-8368, 2012, 43(5), 2464-2470DI 10.1016/j.compositesb.2011.09.015 WOS:000305356700046, Article	4.92	2	DA	4.92
23.	**Locul 3 din 19-zona rosie, Ionita Mariana**, Pruna Alina, Polypyrrole/carbon nanotube composites: Molecular modeling and experimental investigation as anti-corrosive coating, PROGRESS IN ORGANIC COATINGS, ISSN 0300-9440, 2011, 72(4), 647-652 DI 10.1016/j.porgcoat.2011.07.007 WOS:000297454900007, Article	2,955	2	DA	2,955

24.	**Locul 83 din 90-zona gri, Ionita M.,** Ciupina V., Vasile E., Influence of different carbon nanotubes on the mechanical properties of polyaniline nanocomposite - multiscale molecular modeling, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, ISSN 1454-4164, 2011, 13(7-8), 769-775, WOS:000294887100005, Article	0,39	3	DA	0,39
25.	**Locul 255 din 264-zona gri, Ionita Mariana**, Damian,Celina Maria, Molecular Modelling for Calculation of Mechanical Properties ofSWCNTs/Epoxy Composites: Effect of SWCNTs Diameter, MATERIALE PLASTICE; ISSN 0025-5289 2011, 48(1), 54-57 WOS:000289661700011, Article	1.248	2	DA	1.248
26.	**Locul 255 din 264-zona gri, Ionita Mariana**, Branzoi Ioan Viorel, Multiscale Molecular Modeling and Laboratory Investigation of Polypyrrole-polyaniline Composite, MATERIALE PLASTICE, ISSN 0025-5289, 2010, 47(2), 184-188 WOS:000281051300013, Article	1.248	2	DA	1.248
27.	**Locul 108 din 144 –zona gri, Ionita Mariana**, Branzoi Ioan Viorel, Popa Laurentiu, Synthesis, physicochemical characterization, and preliminary molecular modeling studies of SnO2 nanoparticles, SURFACE AND INTERFACE ANALYSIS, 13th European Conference on Applications of Surface and Interface Analysis 2009, ISSN 0142-2421, 2010, 42(6-7), 983-986 DI 10.1002/sia.3375 WOS:000281149700115, Article	1,263	3	DA	1,263
28.	**Locul 108 din 144-zona gri, Ionita Mariana,** Branzoi I. V., Pilan L., Multiscale Molecular Modeling and Experimental Validation of Polyaniline-CNTs Composite Coatings for Corrosion Protecting SURFACE AND INTERFACE ANALYSIS, 13th European Conference on Applications of Surface and Interface, Analysis ISSN 0142-2421, 2010, 42, 6-7, 987-990 DI 10.1002/sia.3559 WOS:000281149700116, Article	1,263	3	DA	1,263
29.	**Locul 8 din 83 zona rosie, Ionita Mariana**, Silvestri Davide, Gautieri Alfonso Votta Emiliano, Ciardelli Gianluca, Redaelli Alberto, Diffusion of small molecules in bioartificial membranes for clinical use: molecular modelling and laboratory investigation, DESALINATION-Conference of the European-Membrane-Society (EUROMEMBRANE 2006), ISSN 0011-9164 2006, 200 (1-3), 157-159 DI 10.1016/j.desal.2006.03.280 WOS:000242616400063, Article	6,603	6	DA	6,603
30.	**Locul 63 din 158-zona galbena, Ionita M**., Cappelletti G., Minguzzi A., Ardizzone S., Bianchi C., Rondinini, S., Vertova A. Bulk, surface and morphological features of nanostructured tin oxide by a controlled alkoxide-gel path, JOURNAL OF NANOPARTICLE RESEARCH, ISSN 1388-0764, 2006, 8(5), 653-660 DI 10.1007/s11051-005-8383-8 WOS:000241949000012, Article	2,127	7	DA	2,127
	Articole ISI - coautor				
31.	**Locul 2 din 81--zona rosie** Vlăsceanu, G.M., Amărandi, R.M. **Ioniță, M.,** Tite, T., Iovu, H., Pilan, L., Burns, J.S., Versatile graphene biosensors for enhancing human cell therapy, Biosensors and Bioelectronics, Volum 117, 2018, Pagini 283-302, ISSN: 0956-5663WOS:000442191900036,	8.173	7	NU	1.16

32.	**Locul 12 din 64-zona rosie** Hermenean A, Codreanu A, Herman H., Balta C., Rosu M., Mihali C.V., Ivan A., Dinescu S., **Ionita M.,** Costache, M.,Scientific Reports, 2017, Volum 7, Article no 16641, WOS:000416891400043-Article	4.122	10	NU	0.41
33.	**Locul 2 din 26-zona rosie** Pandele A.M, Ionita M., Crica L,Vasile E., Iovu, H.Novel Chitosan-poly(vinyl alcohol)/graphene oxide biocomposites 3D porous scaffolds, COMPOSITES PART B-ENGINEERING ISSN 1359-8368, 2012, 2017, Volum 126, Pagini 81-87, WOS:000407539200008, Article	4.92	5	NU	0.98
34.	**Locul 26 din 143-zona rosie,** Bayrak Osman, **Ionita Mariana**, Demirci Emrah, Silberschmidt Vadim , Optical properties of graphene-based materials in transparent polymer matrices, APPLIED PHYSICS LETTERS, ISSN 0003-6951, 2016, 109 (8), Nr. articol 081905, WOS:000383849000014, Article	3,49	4	NU	0.872
35.	**Locul 101 din 264-zona glabena,** Bayrak Osman, **Ionita Mariana**, Demirci Emrah, Silberschmidt Vadim, Effect of morphological state of graphene on mechanical properties of nanocomposites, JOURNAL OF MATERIALS SCIENCE, ISSN 0022-2461, 2016, 51(8), 4037-4046 DI 10.1007/s10853-016-9722-0 UT WOS:000369000700036, Article	2,993	4	NU	0.747
36.	**Locul 44 din 90-zona galbena,** Ionita Maria D, Vizireanu Sorin, Stoica Silviu D., **Ionita Mariana**, Pandele Andreea M., Cucu Ana, Stamatin Ioan, Nistor Leona C, Dinescu Gheorghe, Functionalization of carbon nanowalls by plasma jet in liquid treatment, EUROPEAN PHYSICAL JOURNAL; ISSN 1434-6060, 2016, 70(2) DI 10.1140/epjd/e2016-60499-8 WOS:000375213300002, Article	1,393	8	NU	0.17
37.	**Locul 147 din 158-zona gri,** Raicopol Matei, Branzoi Viorel, Necula Luiza, **Ionita Mariana**, Pilan Luisa, Comparative studies on the redox reaction of fe(cn)(6) (4-/3-) at modified glassy carbon electrodes via diazonium salts electroreduction, REVUE ROUMAINE DE CHIMIE, ISSN 0035-3930, 2012, 57(9-10), 807-814, WOS:000320072300004, Article	0.37	5	NU	0.07
38.	**Locul 37 din 87-zona galbena,** Crica Livia Elena, Wengenroth Jonas, Tiainen Hanna, **Ionita Mariana**, Haugen, Havard Jostein, Enhanced X-ray absorption for micro-CT analysis of low density polymers, JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, ISSN 0920-5063, 2016, 27(9), 805-823, DI10.1080/09205063.2016.1152856, WOS:000375290100002, Article	1.911	5	NU	0.38
39.	**Locul 131 din 271-zona galbena,** Gautieri Alfonso, **Ionita Mariana**, Silvestri Davide, Votta Emiliano, Vesentini, Simone, Fiore Gianfranco, Barbani Nicoletta, Ciardelli Gianluca, Redaelli, Alberto, Computer-Aided Molecular Modeling and Experimental Validation of Water Permeability Properties in Biosynthetic Materials, JOURNAL OF COMPUTATIONAL AND THEORETICAL NANOSCIENCE, ISSN: 1546-1955 7(7), 1287-1293 DOI: 10.1166/jctn.2010.1482 WOS:000278288100010 , Article	1.42	9	NU	0.15

40.	**Locul 147 din 158-zona gri,** Pilan Luisa, Raicopol Matei, **Ionita Mariana**, Branzoi, Viorel, electrochemical study on carbon nanotubes functionalization by diazonium salts electroreduction, REVUE ROUMAINE DE CHIMIE, ISSN 0035-3930, 2012, 57(9-10), 815-822 UT WOS:000320072300005, Article	0.37	4	NU	0.09
41.	Pilan Luisa, Raicopol Matei, Damian Celina, **Ionita Mariana**, Electrochemical Functionalization of Single-Walled Carbon Nanotubes Films Obtained by Electrophoretic Deposition, ELECTROPHORETIC DEPOSITION: FUNDAMENTALS AND APPLICATIONS IV-Key Engineering Materials CT 4th International Conference on Electrophoretic, 2012, 507, 107, 111 DI 10.4028/www.scientific.net/KEM.507.107 WOS:000308567500018, Article	-	4	NU	-
42.	Pilan Luisa, Raicopol Matei, **Ionita Mariana**, Fabrication of Polyaniline/Carbon Nanotubes Composites Using Carbon, Nanotubes Films obtained by Electrophoretic Deposition, ELECTROPHORETIC DEPOSITION: FUNDAMENTALS AND APPLICATIONS IV, Key Engineering Materials, 4th International Conference on Electrophoretic Deposition: Fundamentals and Applications, ISSN 1013-9826, 2012, 507, 113-117, DI 10.4028/www.scientific.net/KEM.507.113 UT WOS:000308567500019, Article	-	3	NU	-
43.	**Locul 8 din 83-zona rosie,** Ciardelli, G, Silvestri, D., Barbani, N., **Ionita Mariana**. Redaelli, A., Giusti, P. Bioartificial polymer membranes as innovative systems for biomedical orbiotectnological uses, DESALINATION-Conference of the European-Membrane-Society (EUROMEMBRANE 2006), ISSN 0011-9164, 2006, 200, 1-3, 493-495 DI 10.1016/j.desal.2006.03.408 WOS:000242616400190, Article	6,603	6	NU	1.1
44.	**Locul 5 din 26-zona rosie,** Ardizzone S, Cappelletti G, **Ionita M**, Minguzzi, A, Rondinini, S, Vertova, A, Low-temperature sol-gel nanocrystalline tin oxide integrated characterization of electrodes and particles obtained by a common path, ELECTROCHIMICA ACTA, ISSN 0013-4686, 2005, 50(22), 4419-4425, DI 10.1016/j.electacta.2005.02.005 WOS:000231353800011, Article	5,116	6	NU	0.85
45.	**Locul 29 din 31-zona gri,** Dinescu, Sorina, **Ionita Mariana**, Pandele, Andreea Madalina, Galateanu, Bianca, Iovu, Horia, Ardelean, Aurel, Costache, Marieta, Hermenean, Anca, In vitro cytocompatibility evaluation of chitosan/graphene oxide 3D scaffold composites designed for bone tissue engineering, BIO-MEDICAL MATERIALS AND ENGINEERING, ISSN 0959-2989, 2014, 24(6), 2249-2256, DI 10.3233/BME-141037 UT WOS:000343005700040, Article	0,872	8	NU	0.11
46.	Ionita Mariana, Silvestri Davide, Gautieri Alfonso, Votta Emiliano, Ciardelli Ganluca, Redaelli Alberto, Molecular modelling of small molecule diffusion in biopolymer blends membranes for biomedical applications, Proceedings of the 8th Biennial Conference on Engineering Systems Design and Analysis, 2006, 2 , 579-586 WOS:000249558100071, Proceedings Paper.	-	6	NU	-

47.	**Locul 17 din 81-zona rosie,** Ardizzone S, Bianchi C, Cappelletti G, **Ionita Mariana,** Minguzzi A, Rondinini S, Vertova A, JOURNAL OF ELECTROANALYTICAL CHEMISTRY, ISSN: 0022-0728, 589 (1) , 160-166 , DOI: 10.1016/j.jelechem.2006.02.004 WOS:000236867900020, Article	3,235	7	NU	0.46
48.	**Locul 23 din 26-zona gri**, Branzoi V, Pilan L, **Ionita Mariana**, Branzoi, F, Electropolymerization mechanism and electrochemical properties of polypyrrole film doped with a large anionMOLECULAR CRYSTALS AND LIQUID CRYSTALS, ISSN 1058-725X, 2004, 416, 73-83DI 10.1080/15421400490482907 WOS:000224980400007, Article	0,633	4	NU	0.15
NT: 48				**NP:30**	**FIC:95.5.**

IONITA MARIANA
Verificare criteriu NC , " IONITA MARIANA" ID SCOPUS 7003938586
TABEL 3b.2. Lucrarea citată însoţită de citările din baza Scopus

Nr.	Autori/Denumire articol/Revista
1	Vlăsceanu, G.M., Iovu, H., Ioniţă, M., Graphene inks for the 3D printing of cell culture scaffolds and related molecular arrays, COMPOSITES PART B: ENGINEERING,162, pp. 712-723, 2017, SN 13598368 DOI: 10.1016/j.compositesb.2019.01.010 WOS:000460193400068 **0 citari**
2	Diana F. Becheru, George M. Vlăsceanu, Adela Banciu, Eugeniu Vasile, **Mariana Ioniţă**, Jorge S. Burns, Optical Graphene-Based Biosensor for Nucleic Acid Detection; Influence of Graphene Functionalization and Ionic Strength, INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, SN 1422-0067, 2018, 19(10), 3230 DOI: 10.3390/ijms19103230 WOS:000448951000385, Article **1 citare**
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	NT	**FIC**	**NP**
Criterii CNATDCU - Profesor universitar	***≥4***	***≥30***	***≥20***
Mariana IONITA	**13**	**95.56**	**30**

	NC
Criterii CNATDCU – Profesor universitar **(in total in baza SCOPUS)**	***≥120***
Mariana IONITA	**667**

Justificare Tabel 3b.1 – referitor calitate autor principal sau de corespondenta al lucrarilor:

Articol 1

Articol 2

Optical Graphene-Based Biosensor for Nucleic Acid Detection; Influence of Graphene Functionalization and Ionic Strength

Diana F. Becheru [1], George M. Vlăsceanu [1], Adela Banciu [1], Eugeniu Vasile [1], Mariana Ioniţă [1,*] and Jorge S. Burns [1,2]

[1] Faculty of Medical Engineering, University Politehnica of Bucharest, Gh Polizu 1-7, 011061 Bucharest, Romania

[2] Laboratory of Cellular Therapies, Department of Medical and Surgical Sciences for Children & Adults, University Hospital of Modena and Reggio Emilia, Modena, Italy

[*] Author to whom correspondence should be addressed.

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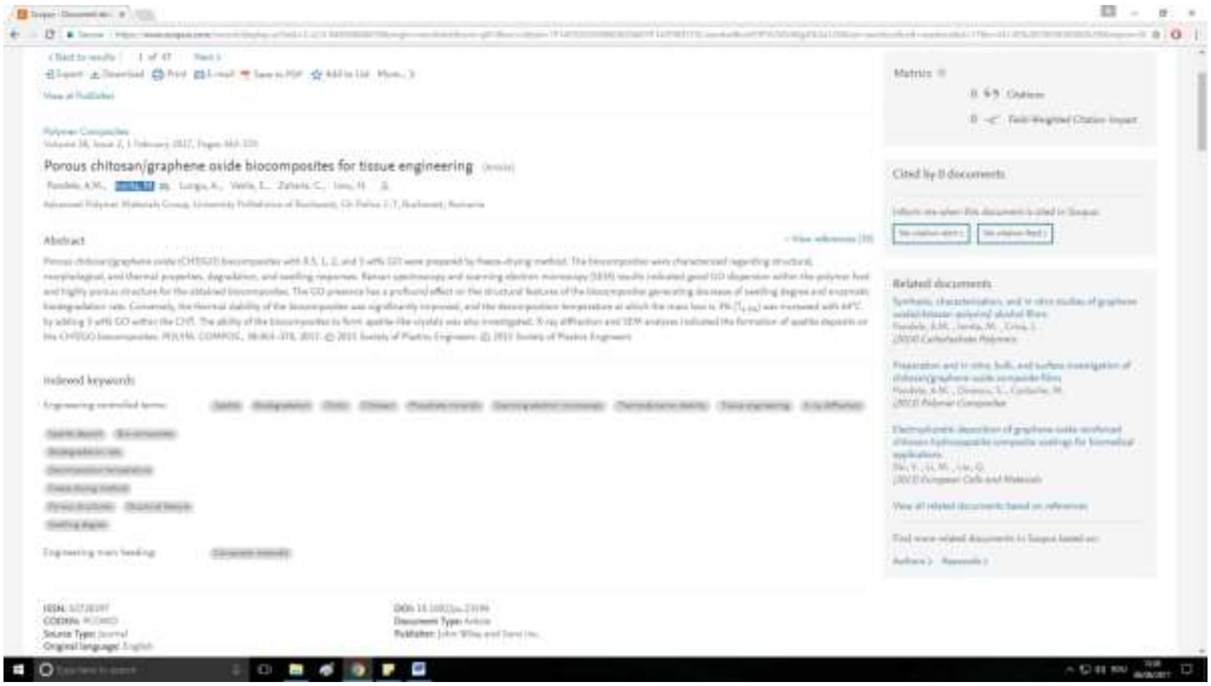
Abstract: A main challenge for optical graphene-based biosensors detecting nucleic acid is the selection of key parameters e.g. graphenic chemical structure, nanomaterial dispersion, ionic strength, and appropriate molecular interaction mechanisms. Herein we study interactions between a fluorescein-labelled DNA (FAM-DNA) probe and target single-stranded complementary DNA (cDNA) on three graphenic species, aiming to determine the most suitable platform for nucleic acid detection. Graphene oxide (GO), carboxyl graphene (GO-COOH) and reduced graphene oxide functionalized with PEGylated amino groups (rGO-PEG-NH_2, PEG (polyethylene glycol)) were dispersed and characterized by scanning electron microscopy (SEM) and transmission electron microscopy (TEM). The influence of

Articol 3

Articol 4

Articol 5


Porous chitosan/graphene oxide biocomposites for tissue engineering

Abstract

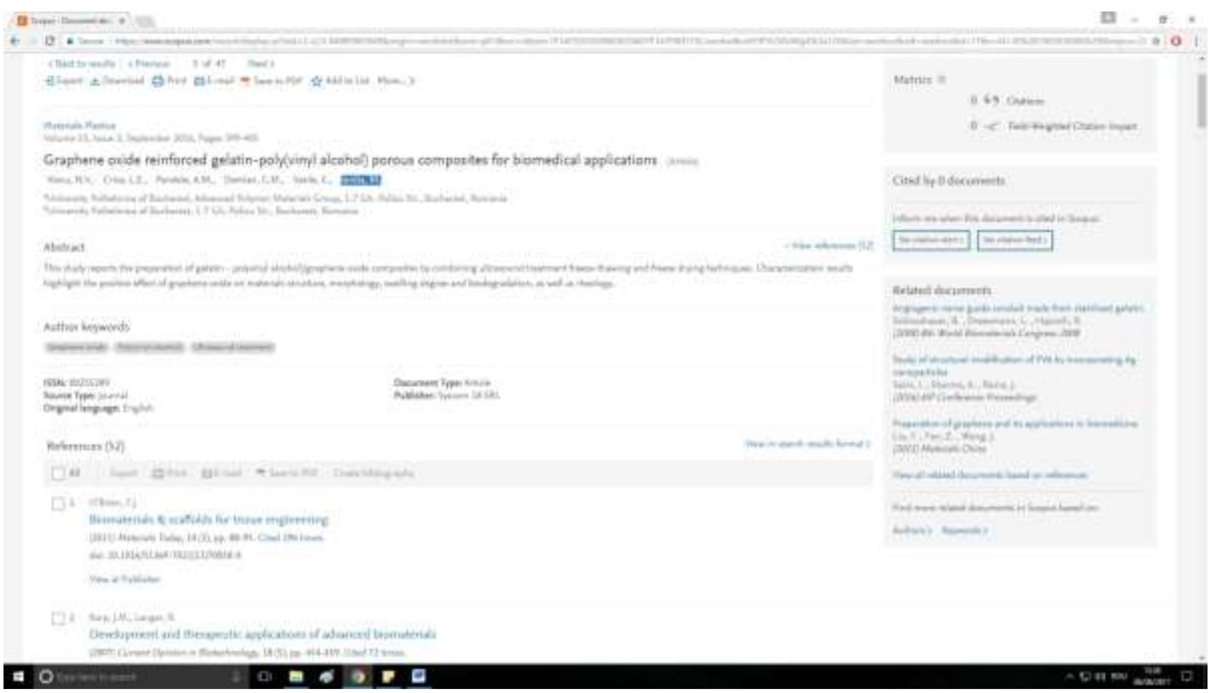
Indexed keywords

Metrics

Cited by 0 documents

Related documents

Articol 6


Graphene oxide reinforced gelatin-poly(vinyl alcohol) porous composites for biomedical applications

Abstract

Author keywords

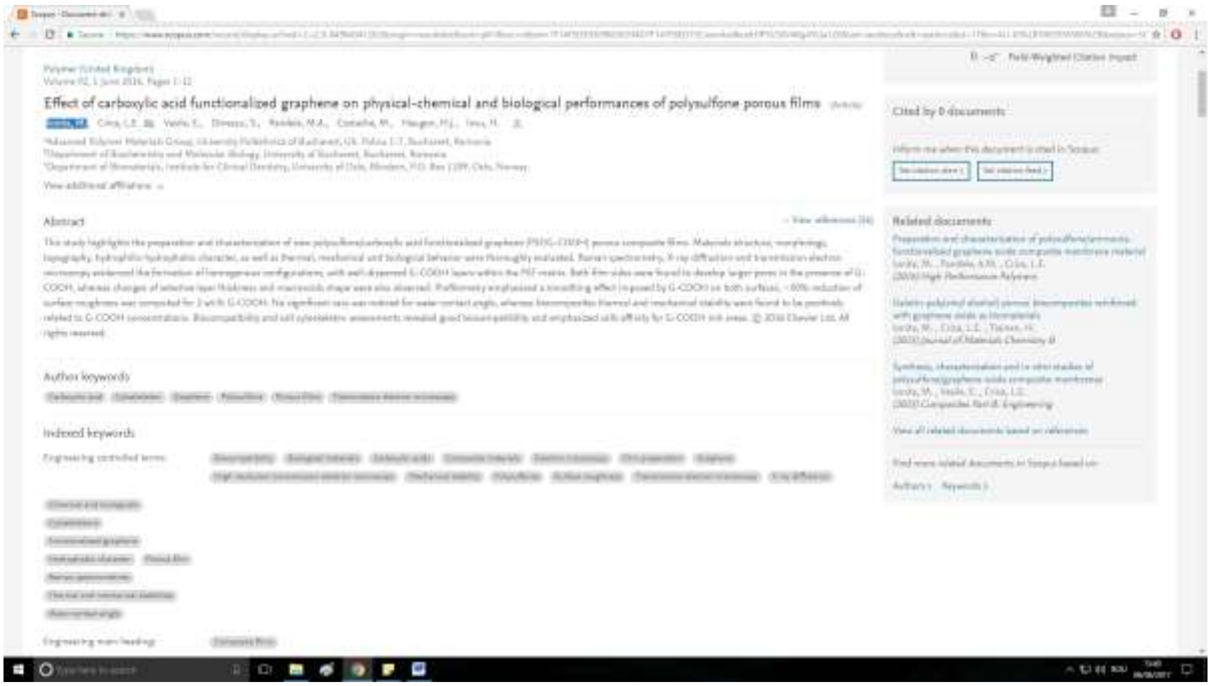
References (52)

Metrics

Cited by 0 documents

Related documents

Articol 7



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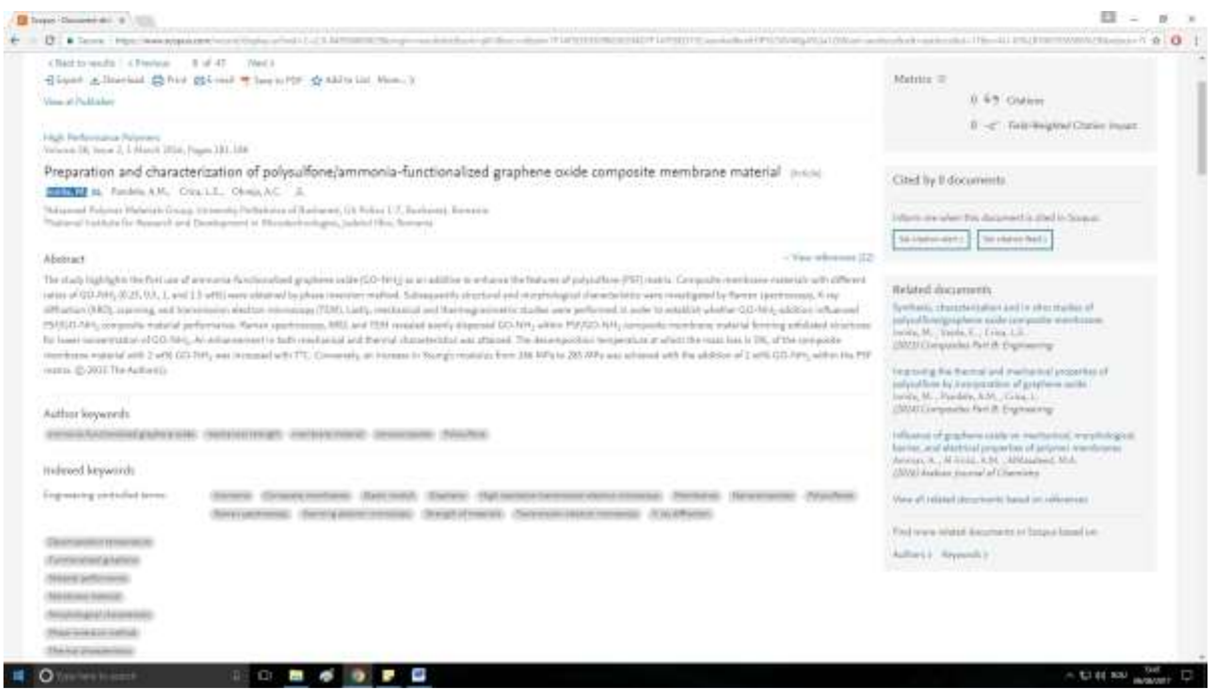

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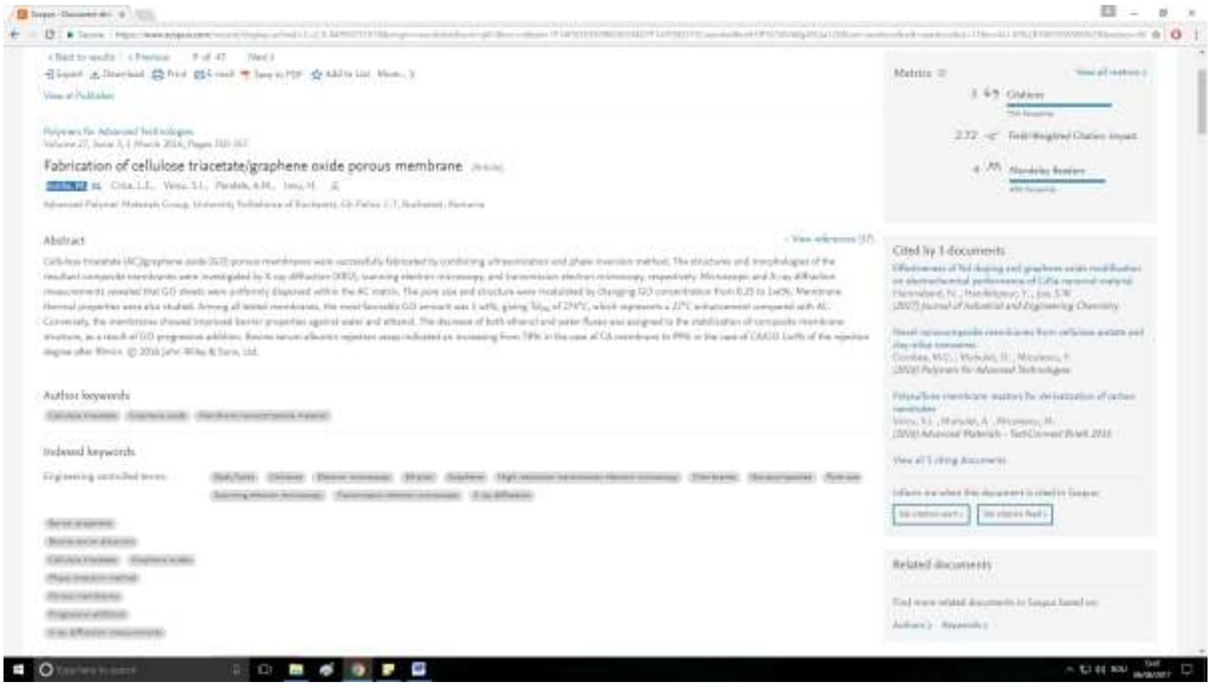

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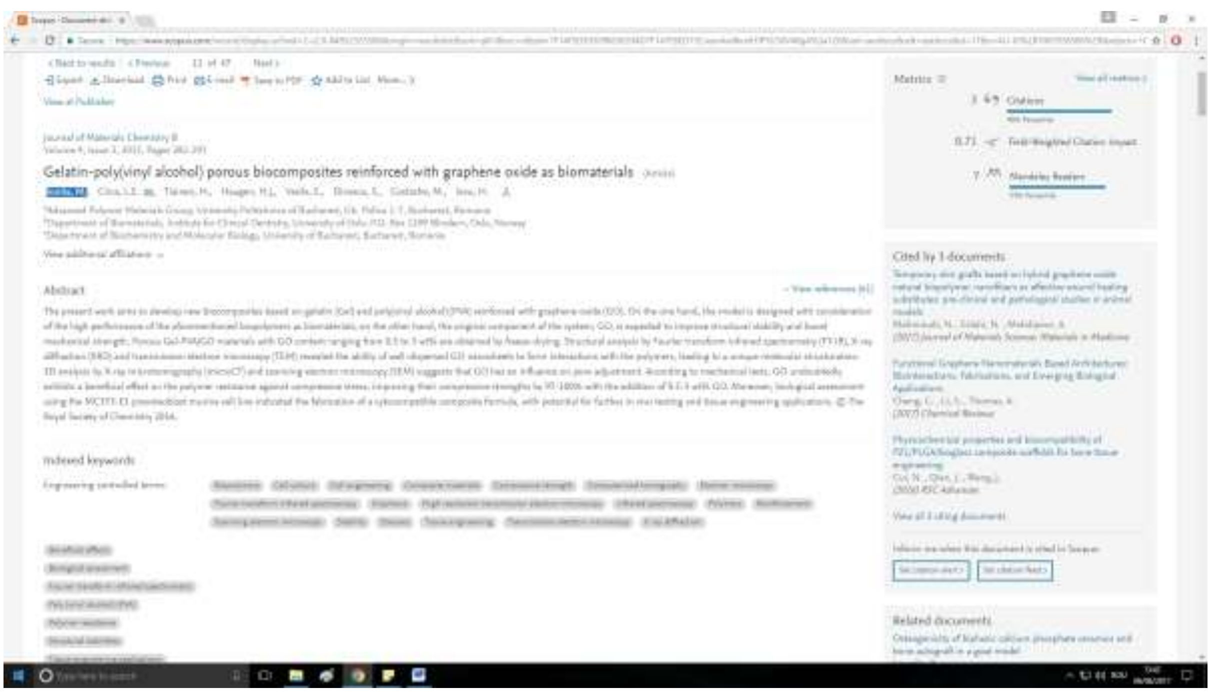

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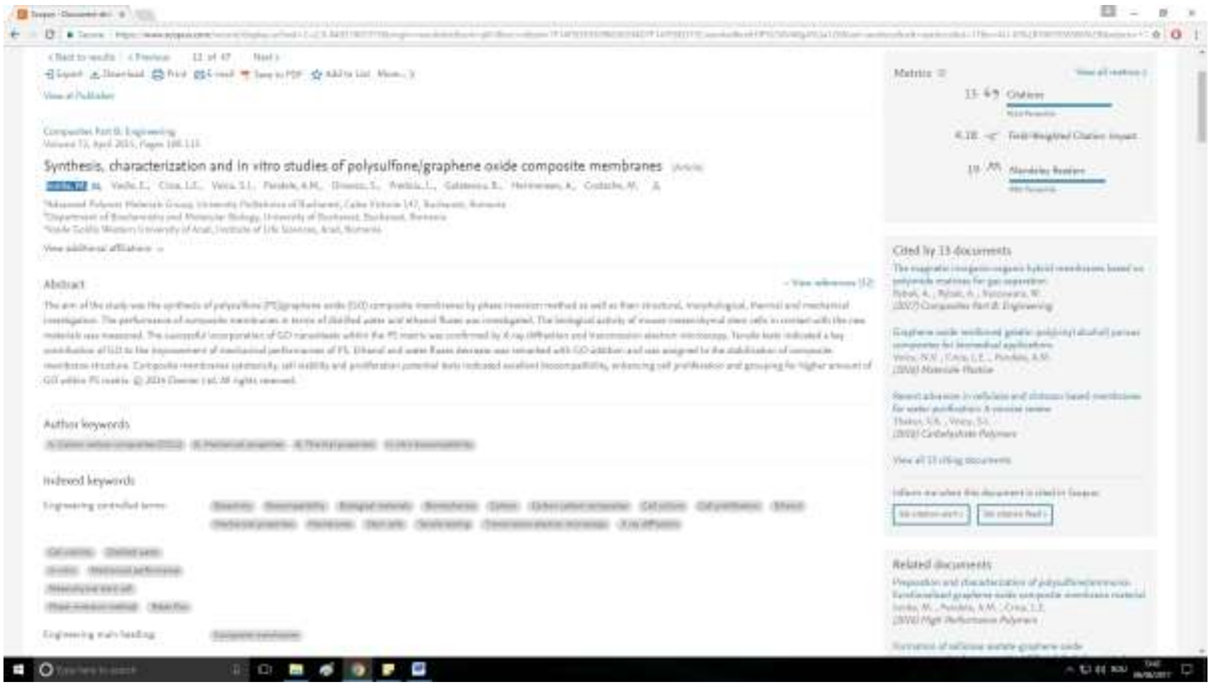

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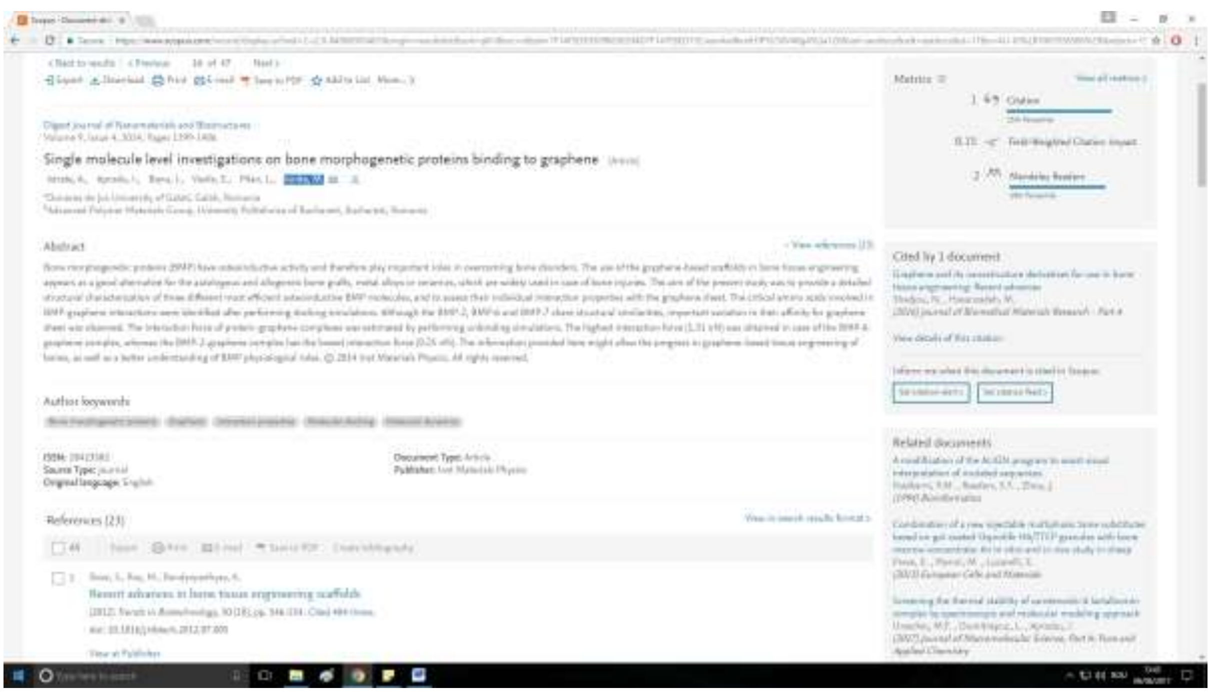

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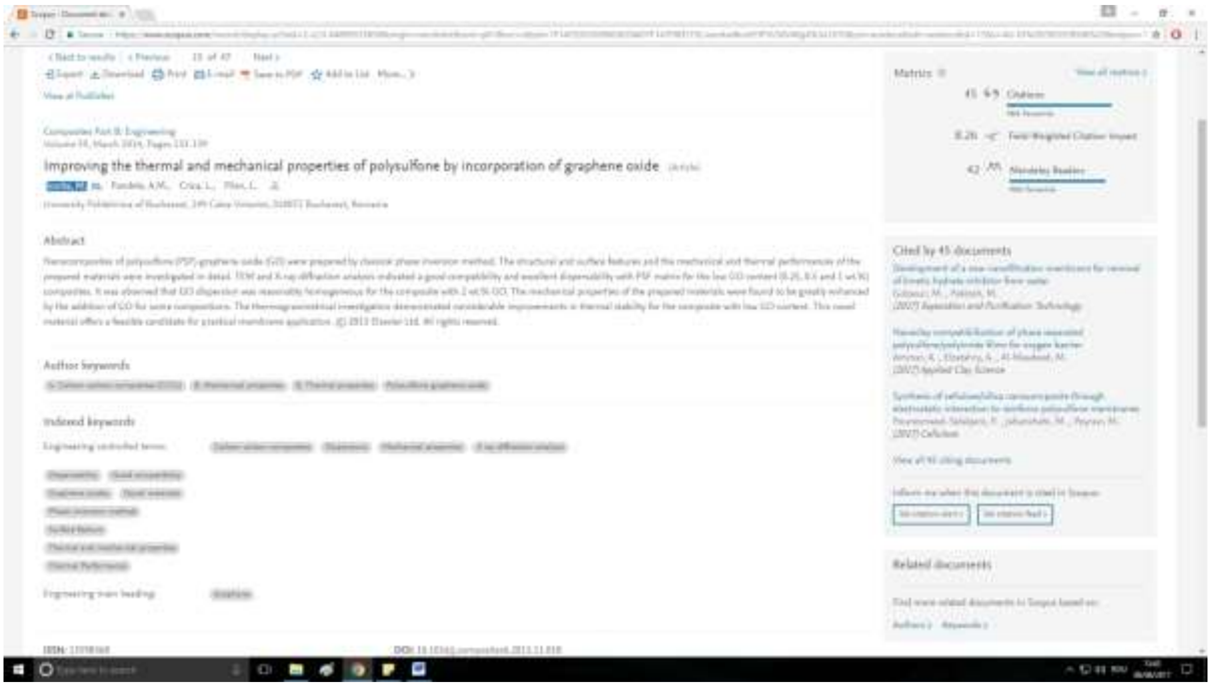

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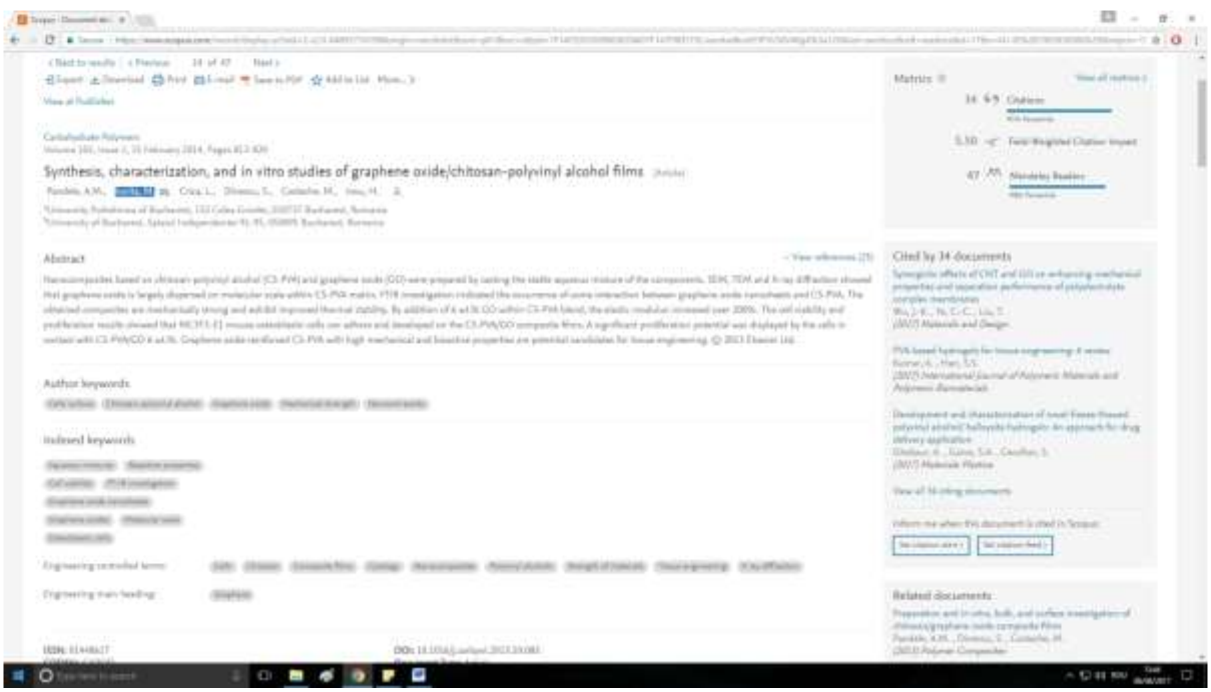

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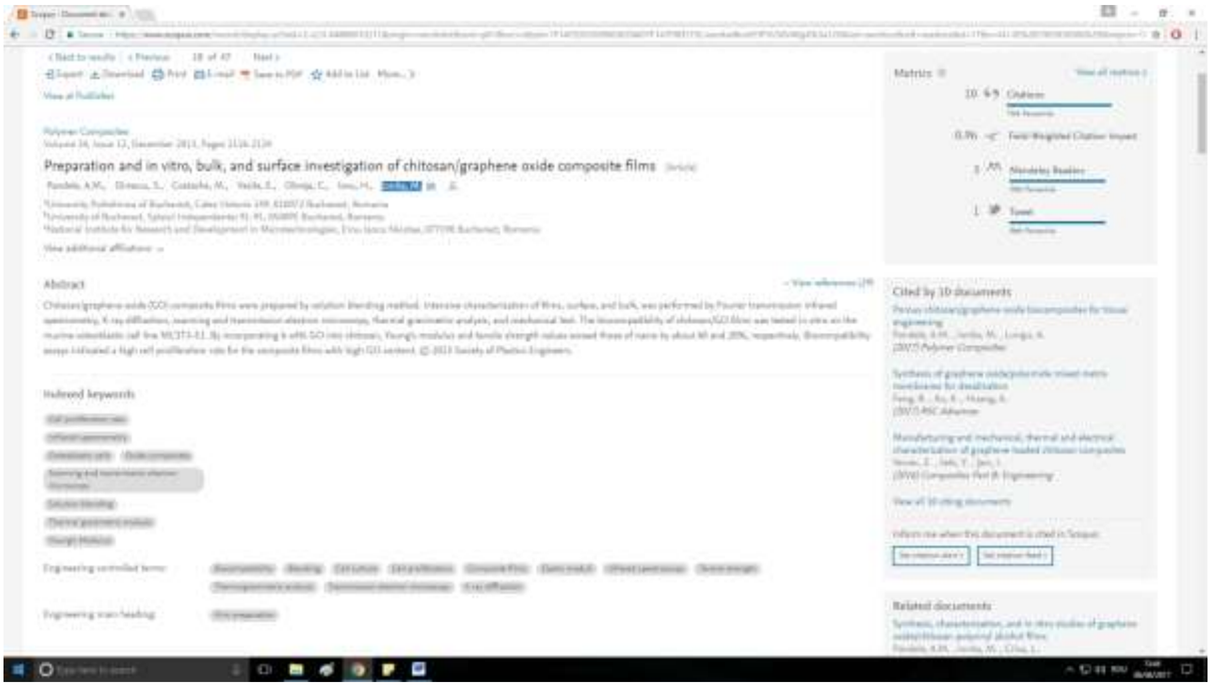

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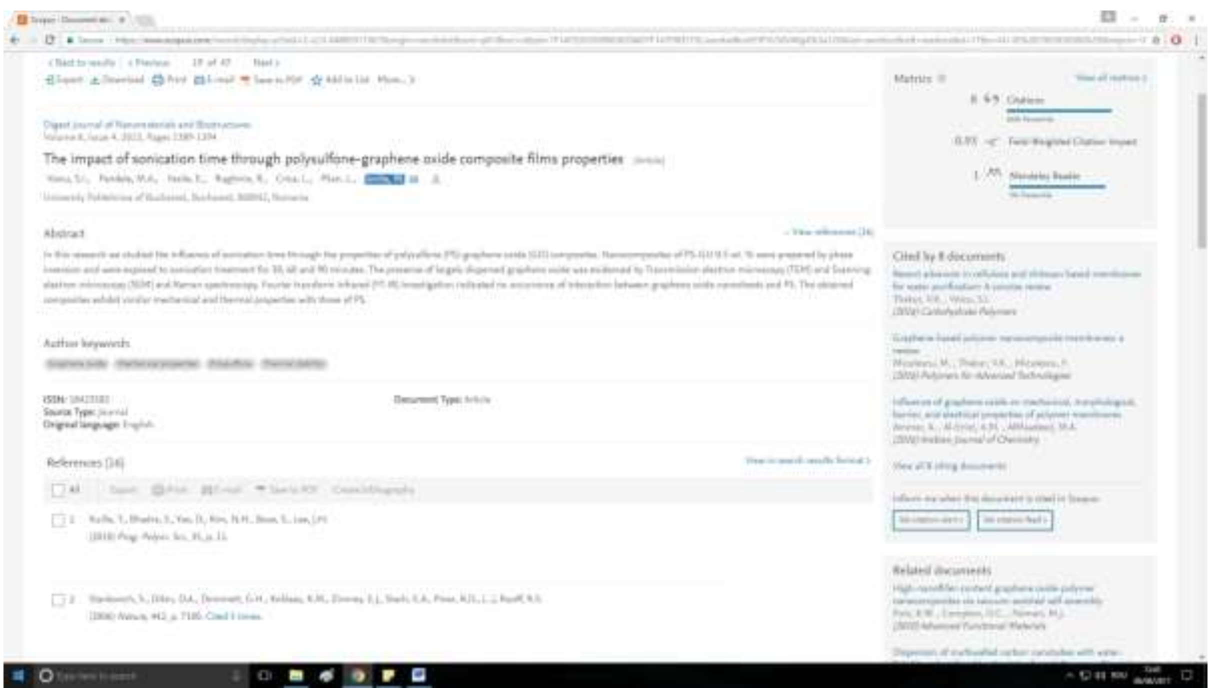

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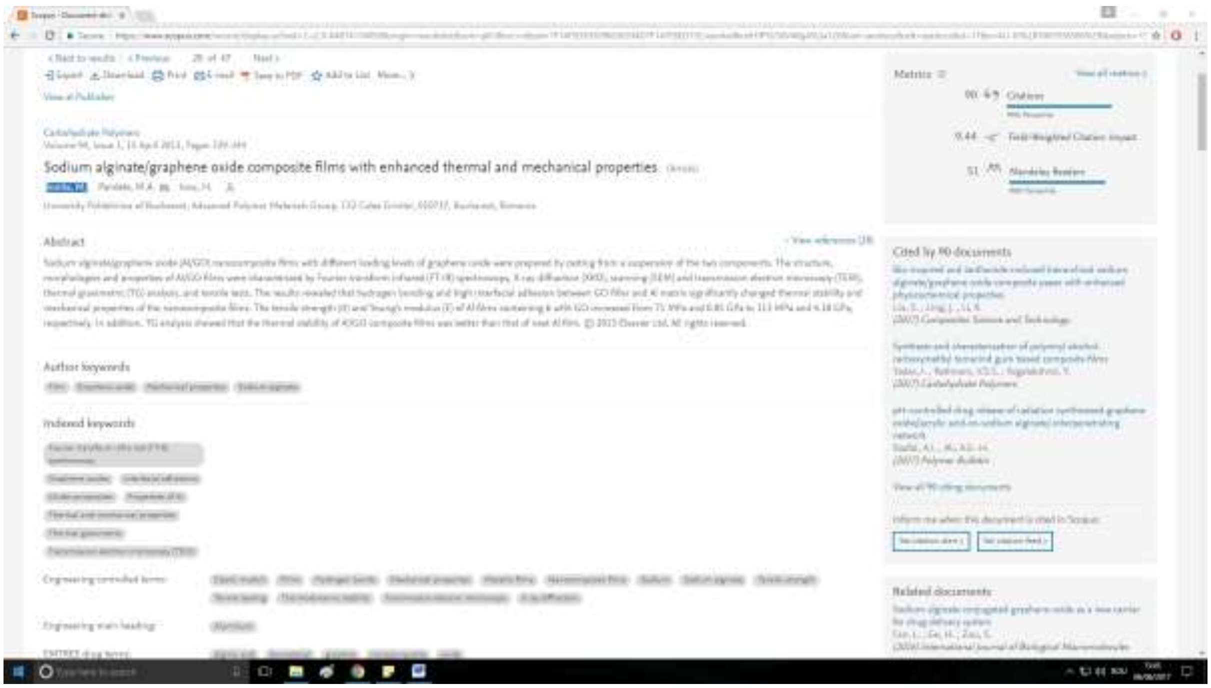

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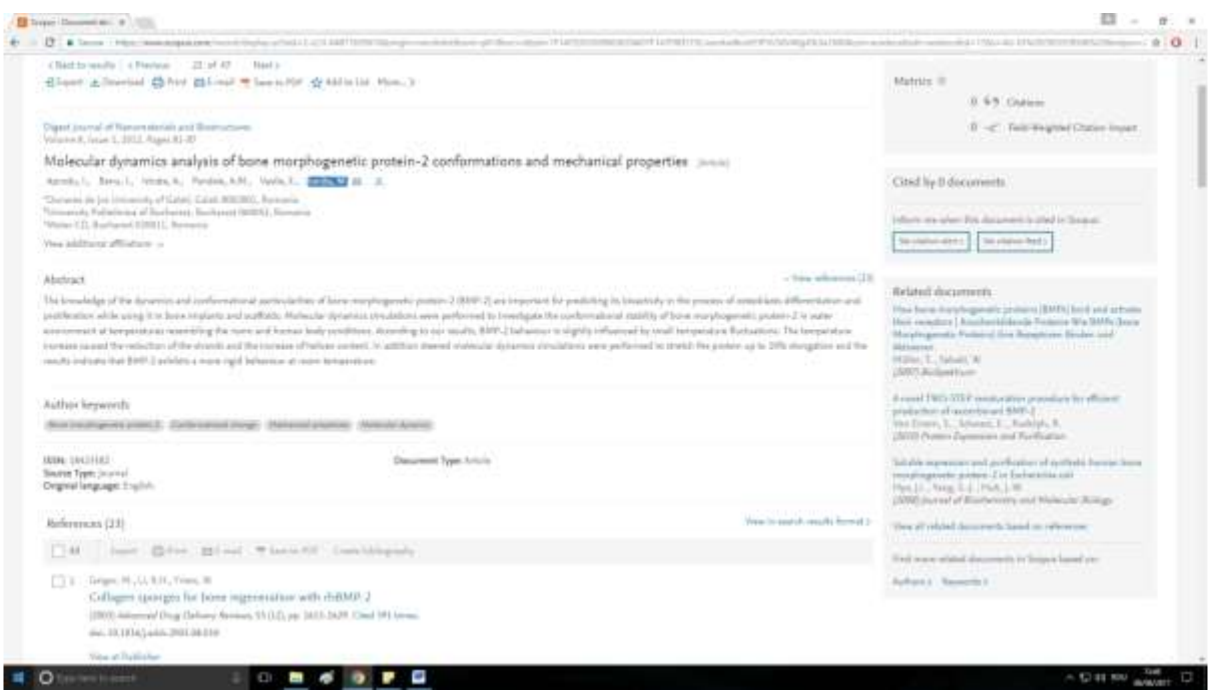

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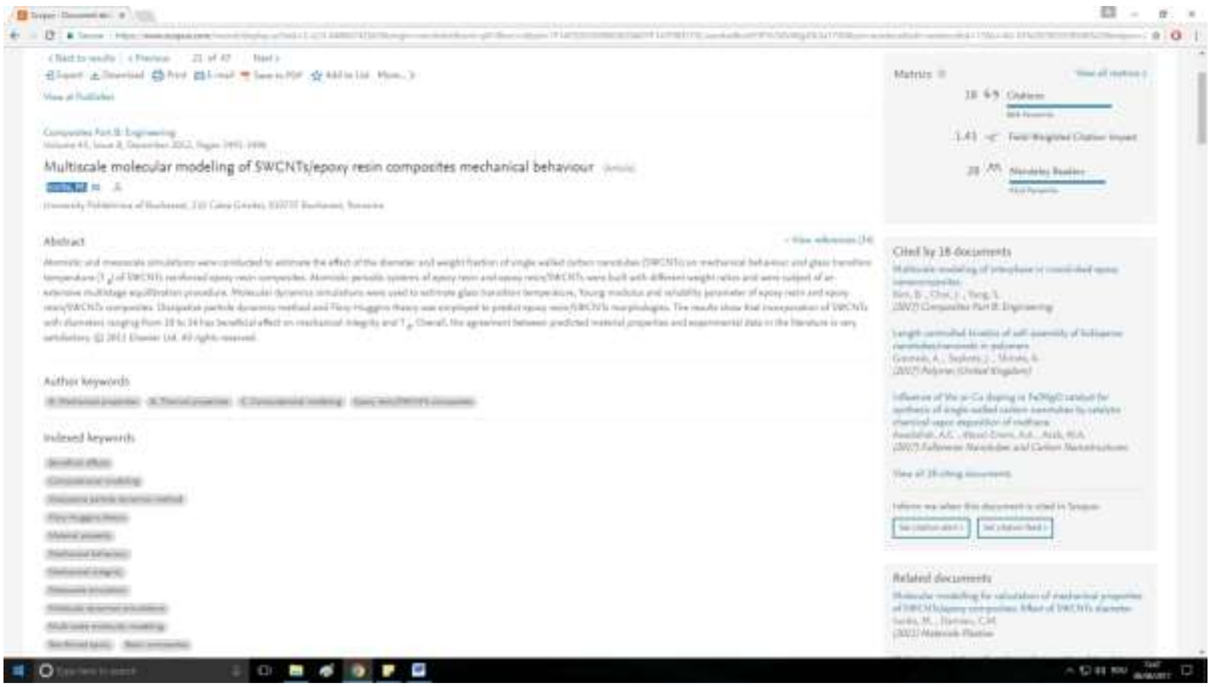
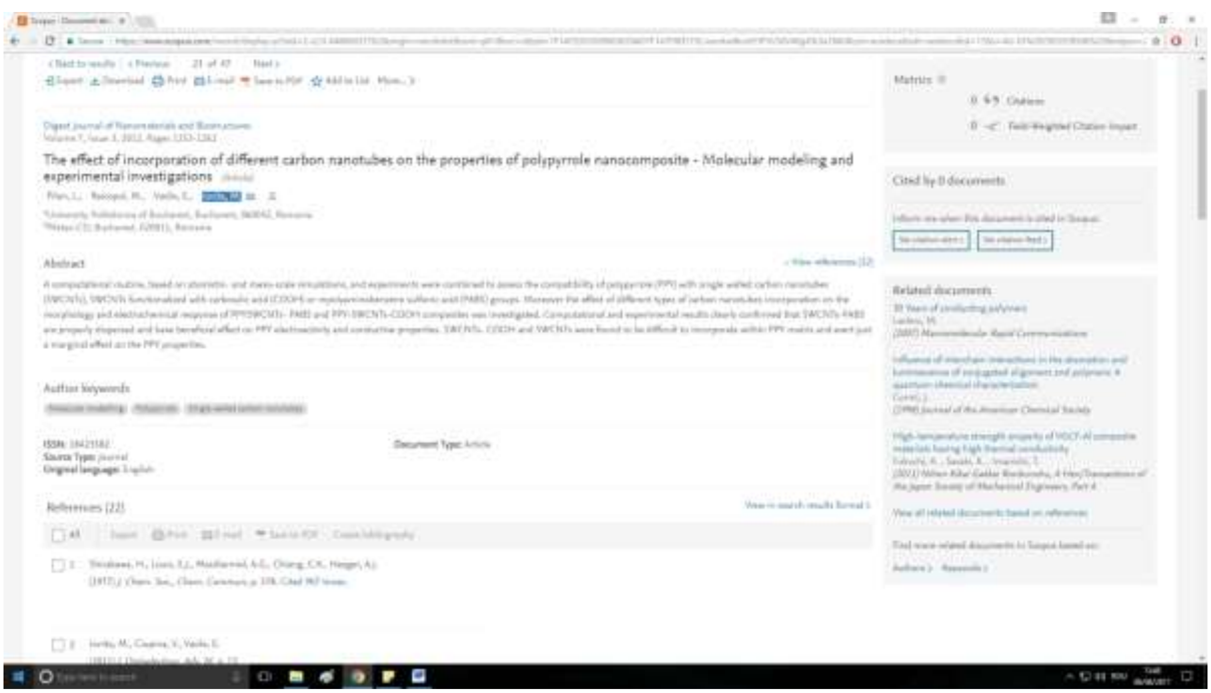
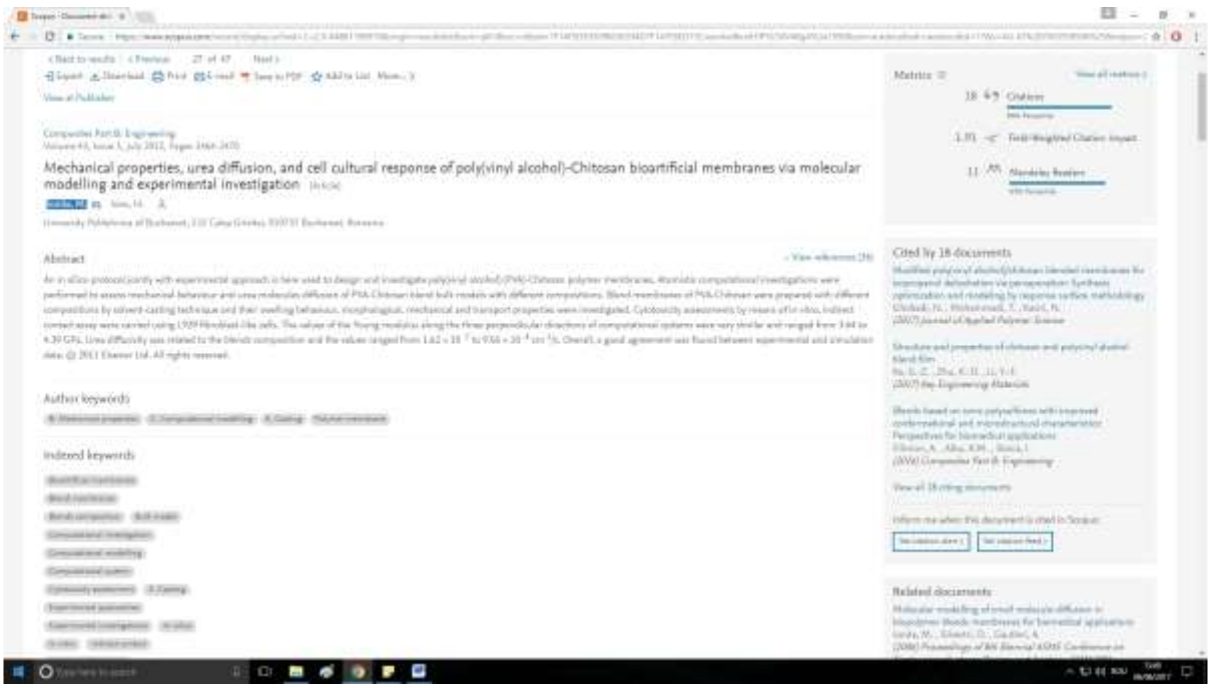

Multiscale molecular modeling of SWCNTs/epoxy resin composites mechanical behaviour

Articol 20


The effect of incorporation of different carbon nanotubes on the properties of polypyrrole nanocomposite - Molecular modeling and experimental investigations

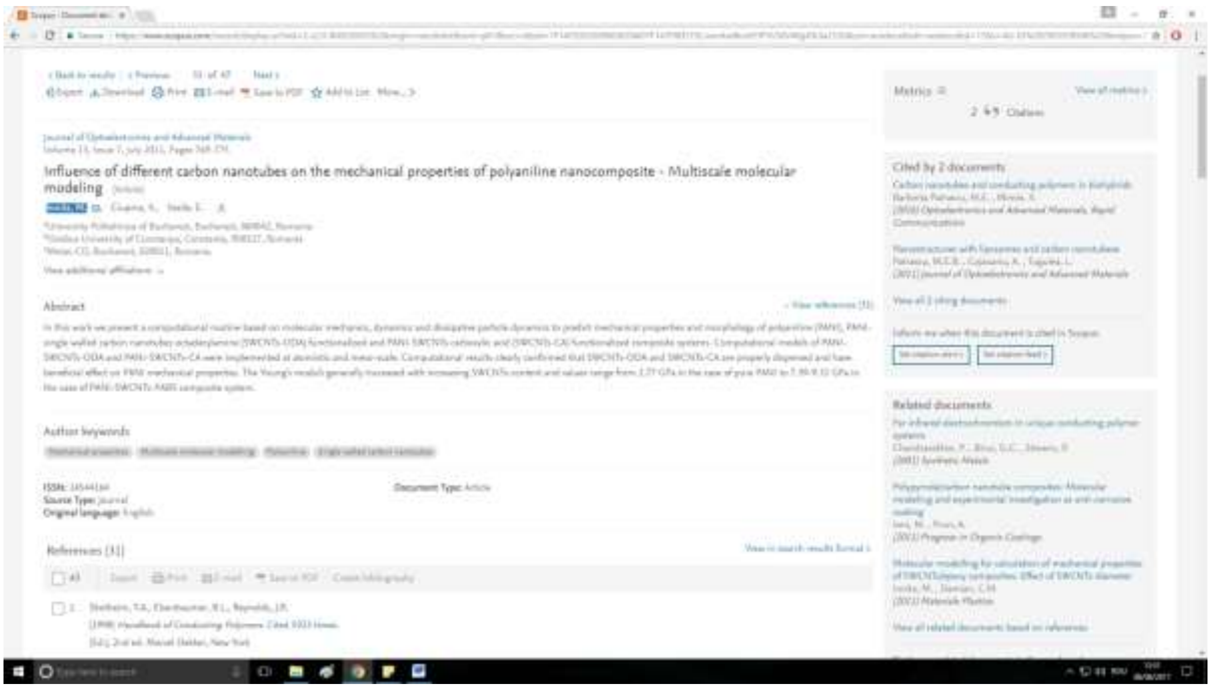
Articol 21


Mechanical properties, urea diffusion, and cell cultural response of poly(vinyl alcohol)-Chitosan bioartificial membranes via molecular modelling and experimental investigation

Articol 22


Polypyrrole/carbon nanotube composites: Molecular modeling and experimental investigation as anti-corrosive coating

Articol 23



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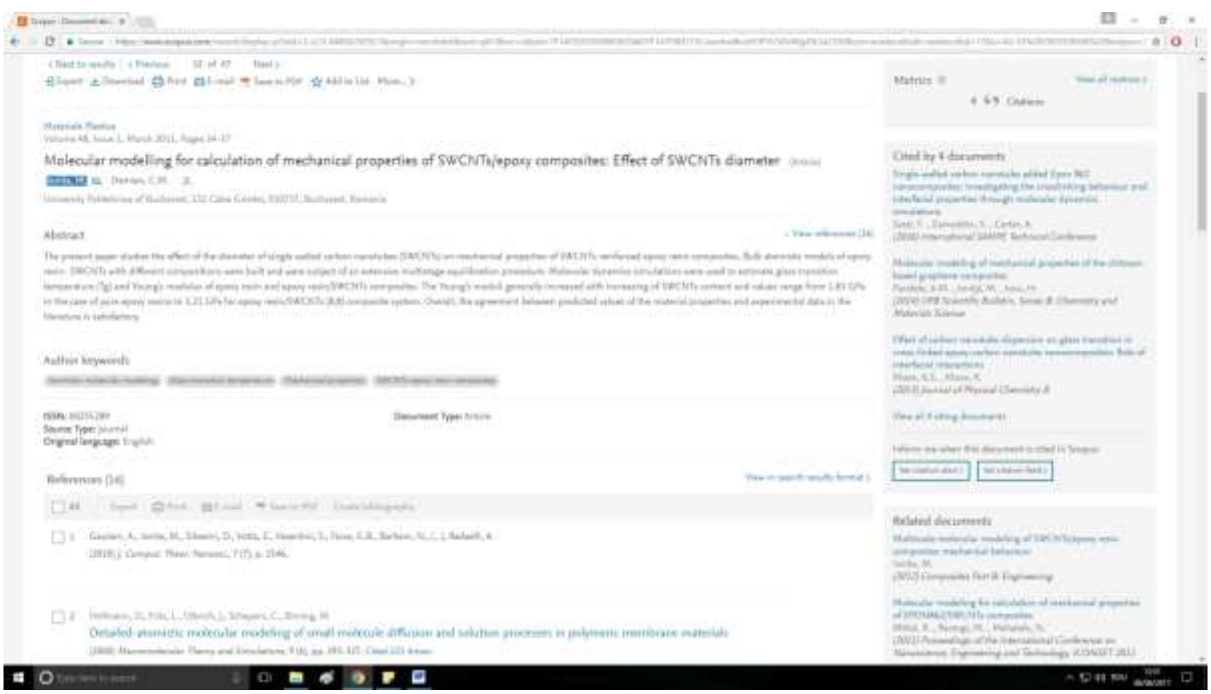

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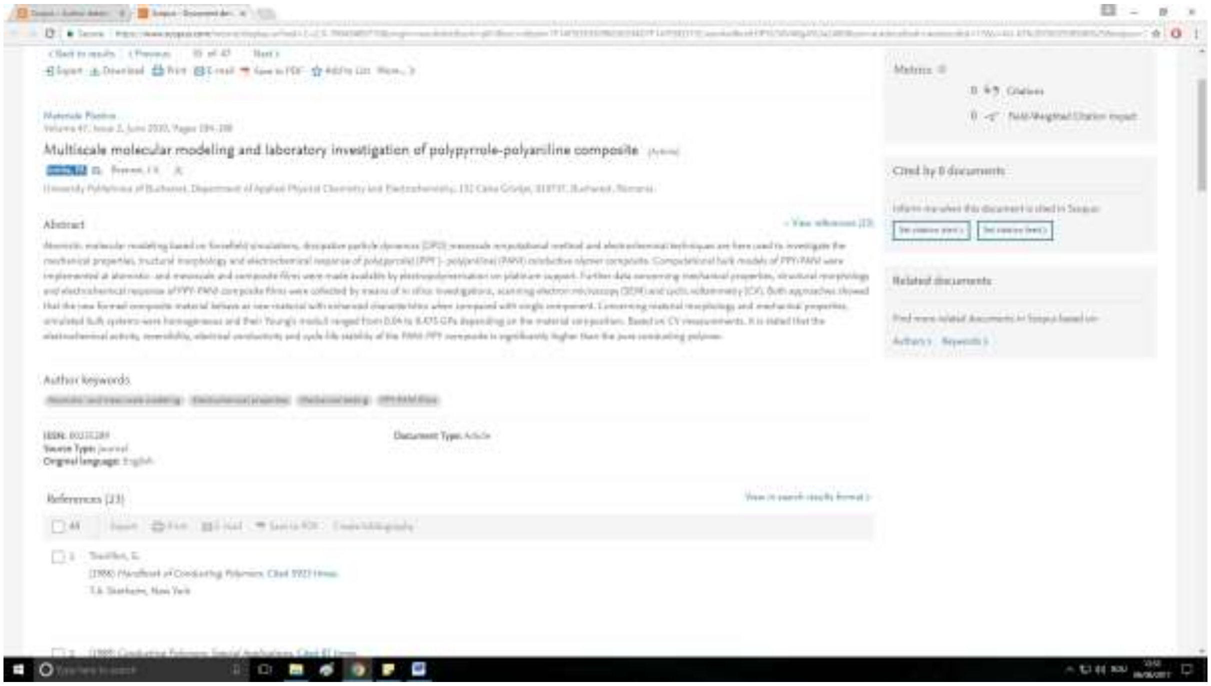

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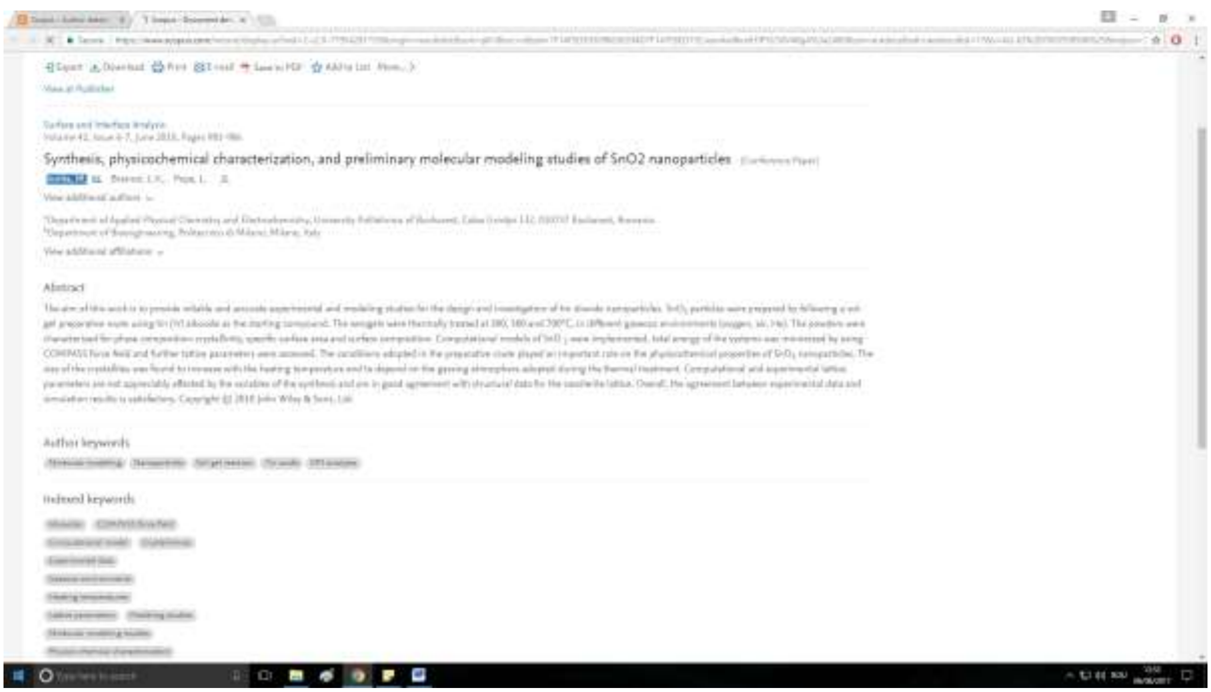

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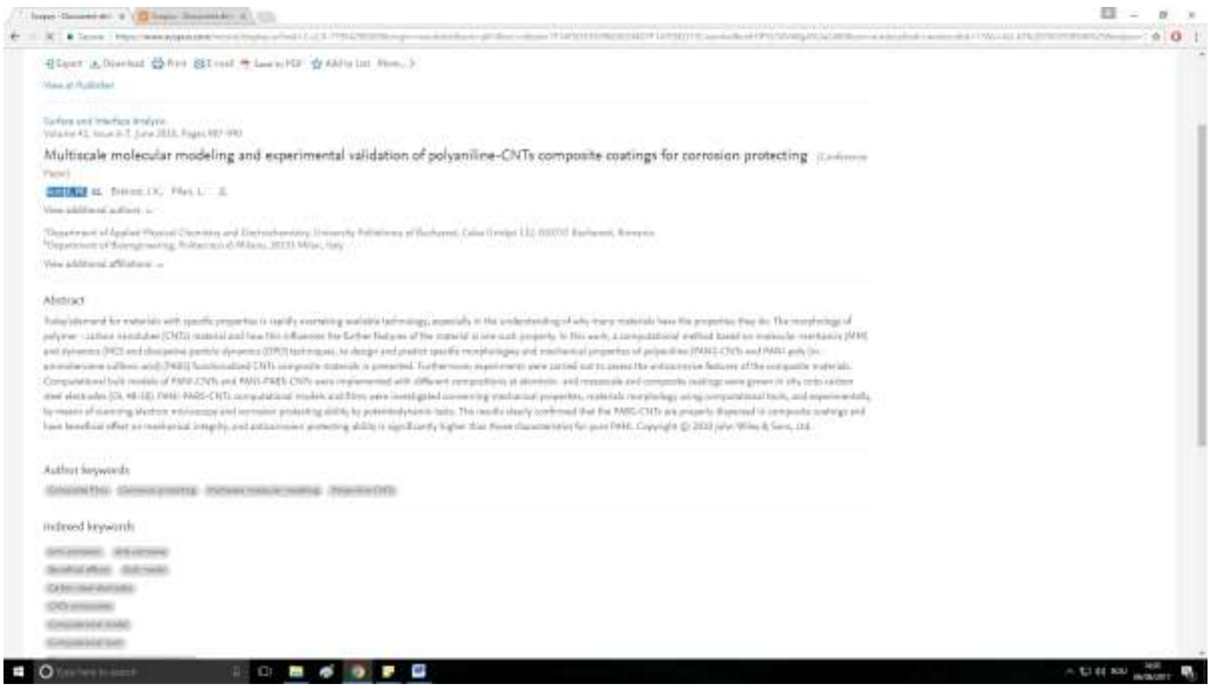

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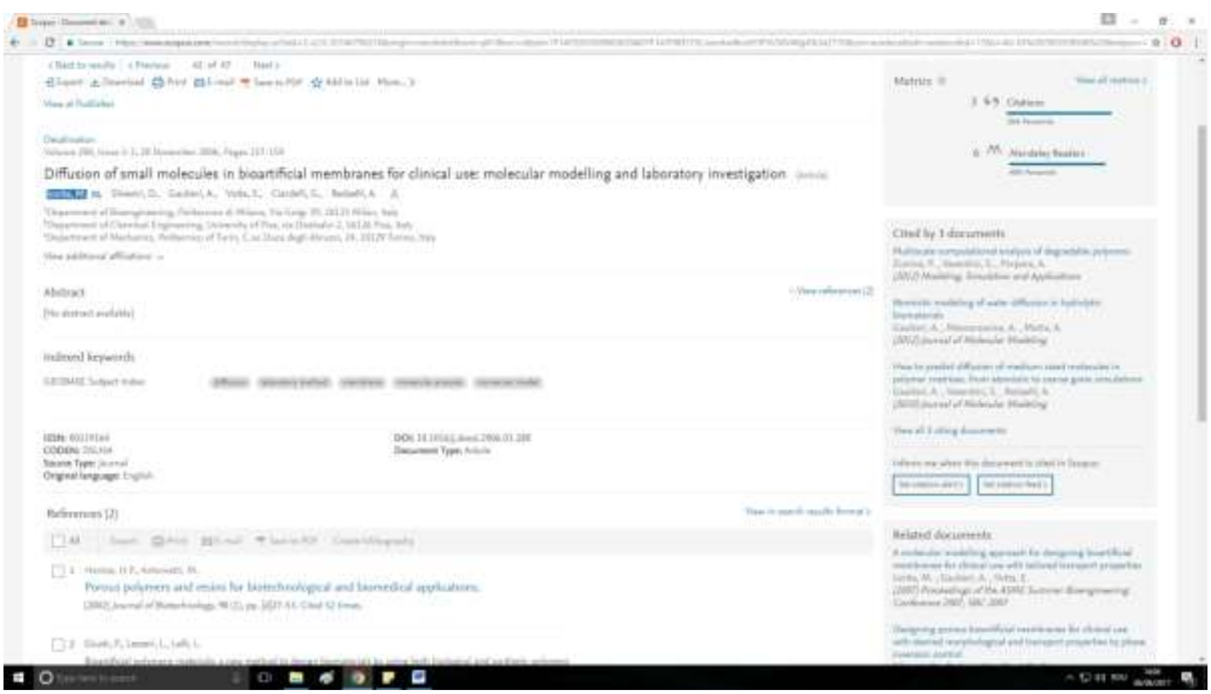

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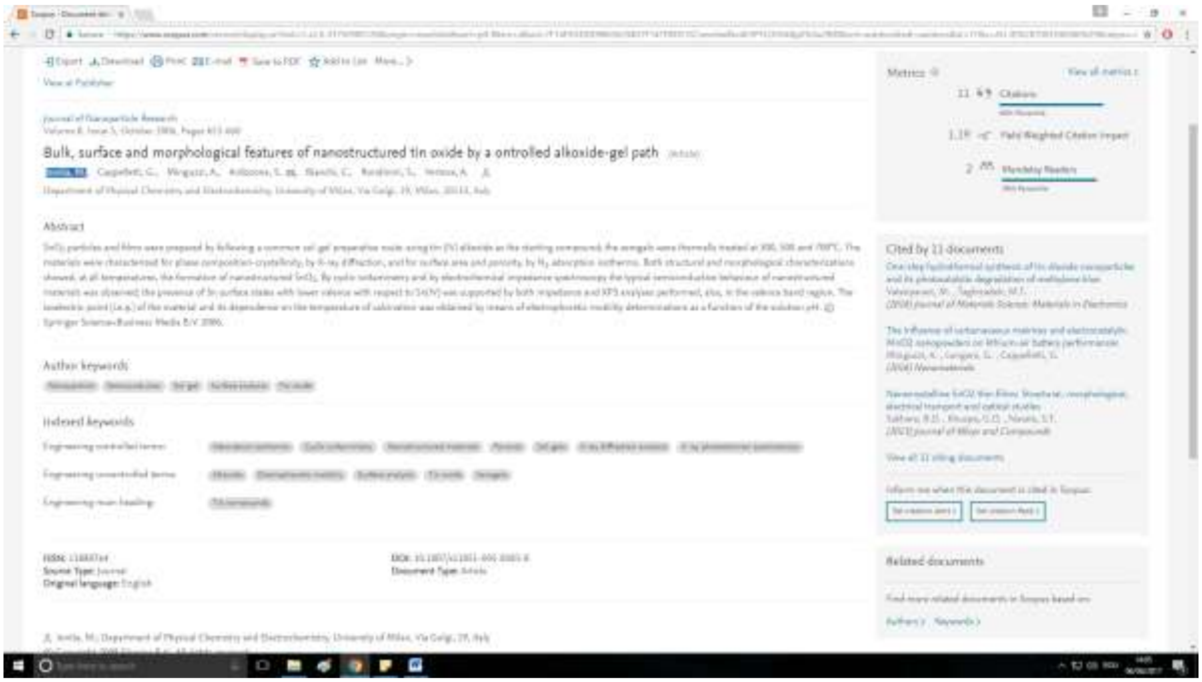

Articol 30

Review Article

Advantages of Graphene Biosensors for Human Stem Cell Therapy Potency Assays

Roxana-Maria Amărandi,[1] Diana F. Becheru,[1] George M. Vlăsceanu,[1] Mariana Ioniță ,[1,2] and Jorge S. Burns [1,3]

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