



MINISTERUL EDUCAȚIEI ȘI CERCETĂRII

UNIVERSITATEA „TITU MAIORESCU” DIN BUCUREȘTI

Calea Văcărești, nr. 187, sector 4, București, cod 040051

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AVIZAT,
Director CSD
Prof.univ.dr. [REDACTED] ONCIOIU

AVIZAT,
Director CSD
Conf.univ.dr. Magdalena Budișteanu

Fișa de îndeplinire a standardelor I.O.S.U.D. Universitatea Titu Maiorescu din
București în vederea obținerii atestatului de abilitare

NUME LUCA Andrei

Medic specialist pneumolog

Doctor în MEDICINA.

COMISIA DE MEDICINĂ:

**Standarde minime necesare și obligatorii pentru conferirea titlurilor didactice
din învățământul superior și a gradelor profesionale de cercetare-dezvoltare.**

**(Se completează descriptiv incluzând toți itemii care intră în compunerea
punctajului)**

Titlul	Nr. Articole ISI Autor principal	Nr. Articole ISI Coautor	Index Hirsch	(ISI) Factor cumulat de impact autor principal (FCIAP)
Profesor universitar/CS I				
Abilitare	11 Prim autor 2 Autor correspondent 5 Ultim autor 1 Contributii egale 3	10 Co-autor 10	11	47.196



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Descriptiv: Articole cotate ISI în calitate de autor principal: Nr articole: 11 (minim 10)

1. **Luca Andrei**, Sandor Kasas, Ignacio Ochoa Garrido, Tijana Stanković, Mónica Suárez Korsnes, Radka Vaclavikova, Yehuda G. Assaraf, Milica Pešić Advanced technological tools to study multidrug resistance in cancer. Drug Resistance Updates 48(1):100658, 2020 I.F. = 22.

<https://pubmed.ncbi.nlm.nih.gov/31678863/> - **prim autor**

2. Stanciu GD, Bild V, Ababei DC, Rusu RN, Beschea Chiriac SI, Rezuș E, Luca A. Relevance of Surface Neuronal Protein Autoantibodies as Biomarkers in Seizure-Associated Disorders. Int J Mol Sci. 20(18):4529, 2019. I.F.= 4.183

<https://pubmed.ncbi.nlm.nih.gov/31540204/> - **ultim autor**

3. R. Ștefănescu, GD Stanciu, A Luca*. Contributions of Mass Spectrometry to the identification of Low Molecular Weight Molecules Able to Reduce the Toxicity of Amyloid- β Peptide to Cell Cultures and Transgenic Mouse Models of Alzheimer's Disease. Molecules, 24:1167, 2019. F.I.=3.098.

<https://www.mdpi.com/1420-3049/24/6/1167> - **autor corespondent**

4. G Rusu-Zota, A. Luca*, et al. The imidazoline Receptor Antagonists Idazoxan and Efaroxan Improve the Spatial and Reference Memory in Rats. REV. CHIM (Bucharest) 69(12):3577-3580, 2018. I.F.= 1.232.

<https://www.researchgate.net/publication/339112626> The Imidazoline Receptor Antagonists Idazoxan and Efaroxan Improve the Spatial and Reference Memory in Rats - **autor corespondent**

5. E Rezus, A Cardoneanu, A Luca*, et al. The Link Between Inflammation and Degenerative Joint Diseases. Int.J.Mol.Sci. 20:614, 2019. I.F.=3.687 <https://www.mdpi.com/1422-0067/20/3/614> - **autor corespondent**

2. **A. Luca**, C.-T. Mihai, GD Stanciu, et al. In-vivo safety and efficacy evaluation of a novel polymeric based lidocaine formulation for topical Analgesia. Farmacia 67(1):117-125, 2019. I.F.=1.507

<https://www.researchgate.net/publication/331821411> IN-VIVO SAFETY AND EFFICACY EVALUATION OF A NOVEL POLYMERIC BASED LIDOCAINE FORMULATION FOR TOPICAL ANALGESIA - **prim autor**

7. Stanciu GD*, Luca A.*, Rusu R.N. et al., 2020. Alzheimer's Disease Pharmacotherapy in Relation to Cholinergic System Involvement. Biomolecules 2020, 10, 40; doi:10.3390/biom10010040. F.I.: 4.67. <https://www.mdpi.com/2218-273X/10/1/40> - ***contributii egale**

8. C Gavrilovici, A Luca*, SA Antoniu, K Gallaby, R Ștefănescu, M Stârcea, I Miron, V Bild. How nephrotoxic is the cancer therapy in children? Farmacia, 66:2, 2018. I.F.=1.507.



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<https://farmaciajournal.com/issue-articles/how-nephrotoxic-is-the-cancer-therapy-in-children/> -
autor corespondent

9.CM. Uritu, CT. Mihai, GD Stanciu, G Dodi, T Alexa-Stratulat, A Luca, M Leon-Constantin, R Stefanescu, V Bild, S Melnic, B.I. Tamba. Medicinal Plants of the Family Lamiaceae in Pain Therapy: A Review. Pain Research and Management 2018; doi:10.1155/2018/780154. IF: 2.027 *all authors contributed equally

<https://pmc.ncbi.nlm.nih.gov/articles/PMC5964621/> - **contributii egale**

10.Stanciu GD, Luca A*, et al., 2019. Intracerebroventricular coadministration of Protoxin-II and trace elements in rats enhances the analgesic effect of the 1.7 voltage-gate sodium channel blocker. BioMed Research International, ID 8057803, doi.org/10.1155/2019/8057803. FI: 2.197.

<https://pmc.ncbi.nlm.nih.gov/articles/PMC7024082/> - **autor corespondent**

11.Alexa T, Luca A*, Dondas A., Bohotin CR Preconditioning with cobalt chloride modifies pain perception in mice Experimental and Therapeutic Medicine, 9 (4), pp. 1465-1469, 2015. (F.I. = 1.280)

* contributions égales

<https://pmc.ncbi.nlm.nih.gov/articles/PMC4353805/> - **contributii egale**

Descriptiv: Articole cotate ISI în calitate de coautor: Nr articole: 10 (minim 5)

1.M Danciu, T Alexa-Stratulat*, C Stefanescu, G Dodi, BI Tamba, CT Mihai, G D Stanciu, A Luca et al. Terahertz Spectroscopy and Imaging: A Cutting- Edge Method for Diagnosing Digestive Cancers. Materials 12(9):1519, 2019. I.F.= 2.728

2.Tamba BI, Stanciu GD, Urîtu CM, Rezus E, Stefanescu R, Mihai CT, Luca A, et al. 2020. Challenges and opportunities in preclinical research of synthetic cannabinoids for pain therapy. Medicina 2020, 56, 24; doi:10.3390/medicina56010024. FI: 1.467.

3.D.C. Ababei, S. Beșchea Chiriac, W. Bild, C. Solcan, A. Luca et al. Synergistic effects of the doxepin-candesartan combination on the thermoalgesic sensibility in mice. FARMACIA, 65(5):726-730, 2017. (F.I.=1.348).

4.A.I. Alexa, A. Cantemir, I. Antioch, I.B. Balmuș, S. Cojocaru, R Gardikiotis, A Luca et al. The Dynamics of the Main Oxidative Stress Chemical Markers in the Serum of Rats Stressed by Various Behavioural Tasks. REV.CHIM.(Bucharest); 68(2):350-353, 2017. (F.I.=1.232)

5.A.C. Pinzariu, S.A. Pasca, Allia Sindilar, Cristian Drochioi, Mihail Balan, T. Oboroceanu, S. Niculescu, D.V. Crauciuc, E. G. Crauciuc, A Luca et al. Adipose Tissue Remodeling by Prolonged Administration of High Dose of Vitamin D3 in Rats Treated to Prevent Sarcopenia. REV.CHIM.(Bucharest); 68(9):2139-2143, 2017. (F.I.= 1.232).

6.R Lefter, A Ciobica, D Timofte, D Ababei, R Dobrin, A Luca et al. A new biological approach in generating an irritable bowel syndrome rat model - focusing on depression in sucrose splash test and body weight change. Romanian Biotechnological Letters, DOI: 10.26327/RBL2018.208, 2018.



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7.Brăgaru MA, Kraft A, Moldovan C-A, Moldovan A-D, Răzvan A, Cochior D, Luca A, Nica-Badea D, Chirsanov Căpanu ȘE, Rusu E. Optimizing Perioperative Nutrition in Elective Gastrointestinal Surgery: An ERAS-Focused Narrative Review. *Nutrients*. 2026; 18(6):984. I.F. = 5

8. Duda-Seiman, Corina, Liliana Mititelu-Tartau, Simona Biriescu, Alexandra-Loredana Almășan, Bianca-Oana Bitu, Adina-Ioana Bucur, Andrei Luca, Bogdan Hoinoiu, and Teodora Hoinoiu. 2025. "A Comprehensive Study on the Nutritional Profile and Shelf Life of a Custom-Formulated Protein Bar Versus a Market-Standard Product" *Foods* 14, no. 12: 2141 I.F. = 5.1

9. Cordunianu, Mihai Alexandru, Alina Georgiana Vulcu Cordunianu, Iulian Antoniac, Andrei Luca, Marius Niculescu, Cristian Ovidiu Chiriac, Iuliana Corneschi, and Cosmin Ioan Mohor. 2024. "Experimental Analysis of a Failed Gamma Nail: A Case Report and Literature Review" *Healthcare* 12,

10. Stefanescu, R.; Stanciu, G.D.; Luca, A.; Paduraru, L.; Tamba, B.-I. Secondary Metabolites from Plants Possessing Inhibitory Properties against Beta-Amyloid Aggregation as Revealed by Thioflavin-T Assay and Correlations with Investigations on Transgenic Mouse Models of Alzheimer's Disease. *Biomolecules* **2020**, *10*, 870. <https://doi.org/10.3390/biom10060870no.16:1578>. I.F. 2.7

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Luca, Andrei (Author)

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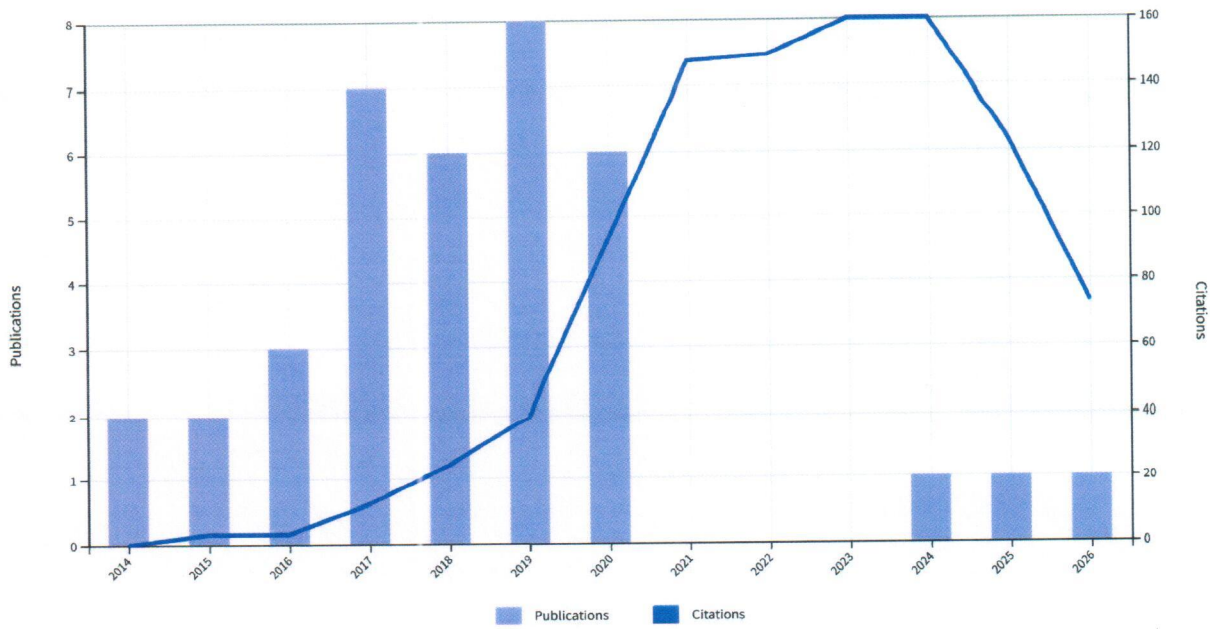
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Total		149	160	160	123	73	82.17	986
1	Optimizing Perioperative Nutrition in Elective Gastrointestinal Surgery: An ERAS-Focused Narrative Review Bragaru, MA; Kraft, A; (...); Rusu, E Mar 19 2026 NUTRIENTS 18(6)	0	0	0	0	0	0	0
2	A Comprehensive Study on the Nutritional Profile and Shelf Life of a Custom-Formulated Protein Bar Versus a Market-Standard Product Duda-Seiman, C; Mititelu-Tartau, L; (...); Hoinoiu, T Jun 19 2025 FOODS 14(12)	0	0	0	1	1	1	2
3	Experimental Analysis of a Failed Gamma Nail: A Case Report and Literature Review Cordunianu, MA; Cordunianu, AGV; (...); Mohor, CI Aug 2024 HEALTHCARE 12(16)	0	0	0	0	0	0	0
4	A COMPREHENSIVE BEHAVIOURAL ASSESSMENT OF CURCUMIN'S EFFECT ON INFLAMMATORY AND NON-INFLAMMATORY PAIN IN MICE Alexa, ID; Ilie, AC; (...); Bohotin, CR Sep-oct 2020 FARMACIA 68(5), pp.829-834	6	0	1	1	0	1.14	8

5	Secondary Metabolites from Plants Possessing Inhibitory Properties against Beta-Amyloid Aggregation as Revealed by Thioflavin-T Assay and Correlations with Investigations on Transgenic Mouse Models of Alzheimer's Disease Stefanescu, R; Stanciu, GD; (...); Tamba, BI Jun 2020 BIOMOLECULES ▼ 10(6)	7	4	3	5	1	4.29	30
6	A new biological approach in generating an irritable bowel syndrome rat model - focusing on depression in sucrose splash test and body weight change Letfer, R; Ciobica, A; (...); Sfarti, C May-Jun 2020 ROMANIAN BIOTECHNOLOGICAL LETTERS ▼ 25(3), pp.1554-1562	1	0	2	1	1	0.71	5
7	Alzheimer's Disease Pharmacotherapy in Relation to Cholinergic System Involvement Stanciu, GD; Luca, A; (...); Ababei, DC Jan 2020 BIOMOLECULES ▼ 10(1)	42	42	51	32	33	34.71	243
8	Advanced technological tools to study multidrug resistance in cancer Andrei, L; Kasas, S; (...); Pesic, M Jan 2020 DRUG RESISTANCE UPDATES ▼ 48	10	10	8	2	1	7.71	54
9	Challenges and Opportunities in Preclinical Research of Synthetic Cannabinoids for Pain Therapy Tamba, BI; Stanciu, GD; (...); Alexa-Stratulat, T Jan 2020 MEDICINA-LITHUANIA ▼ 56(1)	2	7	5	3	1	3.86	27
10	Intracerebroventricular Coadministration of Protoxin-II and Trace Elements in Rats Enhances the Analgesic Effect of the 1.7 Voltage-Gate Sodium Channel Blocker Stanciu, GD; Luca, A; (...); Tamba, BI Dec 28 2019 BIOMED RESEARCH INTERNATIONAL ▼ 2019	0	1	0	0	0	0.38	3
11	Relevance of Surface Neuronal Protein Autoantibodies as Biomarkers in Seizure-Associated Disorders Stanciu, GD; Bild, V; (...); Luca, A Sep 2 2019 INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES ▼ 20(18)	1	2	0	0	1	0.75	6
12	Terahertz Spectroscopy and Imaging: A Cutting-Edge Method for Diagnosing Digestive Cancers Danciu, M; Alexa-Stratulat, T; (...); Drug, VL May 1 2019 MATERIALS ▼ 12(9)	14	19	15	12	2	11.25	90
13	Contributions of Mass Spectrometry to the Identification of Low Molecular Weight Molecules Able to Reduce the Toxicity of Amyloid- Peptide to Cell Cultures and Transgenic Mouse Models of Alzheimer's Disease Stefanescu, R; Stanciu, GD; (...); Mihai, CT Mar 2 2019 MOLECULES ▼ 24(6)	4	5	0	3	0	3.5	28
14	The Link Between Inflammaging and Degenerative Joint Diseases Rezus, E; Cardoneanu, A; (...); Rezus, C Feb 1 2019 INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES ▼ 20(3)	14	11	11	19	9	11.5	92
15	The morphofunctional impact of topical Lidocaine formulation in inflammatory pain - experimental study Leon-Constantin, MM; Alexa-Stratulat, T; (...); Cojocaru, E 2019 ROMANIAN JOURNAL OF MORPHOLOGY AND EMBRYOLOGY ▼ 60(3), pp.859-874	1	0	2	0	0	0.63	5
16	IN VITRO EVALUATION OF NOVEL FUNCTIONALIZED NANOPARTICLES FOR TERAHERTZ IMAGING Mihai, CT; Luca, A; (...); Drug, VL 2019 MEDICAL-SURGICAL JOURNAL-REVISTA MEDICO-CHIRURGICALA ▼ 123(1), pp.139-146	0	0	2	0	0	0.5	4
17	IN-VIVO SAFETY AND EFFICACY EVALUATION OF A NOVEL POLYMERIC BASED LIDOCAINE FORMULATION FOR TOPICAL ANALGESIA Luca, A; Mihai, CT; (...); Alexa-Stratulat, T Jan-feb 2019 FARMACIA ▼ 67(1), pp.117-125	1	1	0	0	0	0.25	2
18	The Imidazoline Receptor Antagonists Idazoxan and Efaroxan Improve the Spatial and Reference Memory in Rats Rusu-Zota, G; Luca, A; (...); Alexa-Stratulat, T Dec 2018 REVISTA DE CHIMIE ▼ 69(12), pp.3577-3580	0	0	0	0	0	0	0
19	HOW NEPHROTOXIC IS THE CANCER THERAPY IN CHILDREN? Gavrilovici, C; Luca, A; (...); Bild, V Mar-apr 2018 FARMACIA ▼ 66(2), pp.197-208	0	1	0	2	0	1.22	11
20	The Role of Coblation in the Treatment of Tracheal Stenosis Luca, AS; Zainea, V; (...); Hainarosi, R National Conference on Otorhinolaryngology and Cervical and Facial Surgery / National ENT, Head and Neck Surgery Conference 2018 PROCEEDINGS OF NATIONAL ENT, HEAD AND NECK SURGERY CONFERENCE, pp.330-333	0	0	0	0	0	0	0
21	Volumetric Inferior Turbinate Reduction Using Coblation Technology Luca, AS; Zainea, V; (...); Hainarosi, R National Conference on Otorhinolaryngology and Cervical and Facial Surgery / National ENT, Head and Neck Surgery Conference 2018 PROCEEDINGS OF NATIONAL ENT, HEAD AND NECK SURGERY CONFERENCE, pp.334-337	0	0	0	0	0	0	0

21	The Role of Coblation in the Treatment of Tracheal Stenosis Luca, AS; Zainea, V; (...); Hainarosie, R National Conference on Otorhinolaryngology and Cervical and Facial Surgery / National ENT, Head and Neck Surgery Conference 2018 PROCEEDINGS OF NATIONAL ENT, HEAD AND NECK SURGERY CONFERENCE, pp.330-333	0	0	0	0	0	0	0
22	Volumetric Inferior Turbinate Reduction Using Coblation Technology Luca, AS; Zainea, V; (...); Hainarosie, R National Conference on Otorhinolaryngology and Cervical and Facial Surgery / National ENT, Head and Neck Surgery Conference 2018 PROCEEDINGS OF NATIONAL ENT, HEAD AND NECK SURGERY CONFERENCE, pp.334-337	0	0	0	0	0	0	0
23	Medicinal Plants of the Family Lamiaceae in Pain Therapy: A Review Uritu, CM; Mihai, CT; (...); Tamba, BI 2018 PAIN RESEARCH & MANAGEMENT 2018	40	42	55	37	23	31.33	282
24	SYNERGISTIC EFFECTS OF THE DOXEPIN-CANDESARTAN COMBINATION ON THE THERMOALGESIC SENSIBILITY IN MICE Ababei, DC; Beschea Chiriac, SI; (...); Bild, V Sep-oct 2017 FARMACIA 65(5), pp.726-730	0	1	0	0	0	0.9	9
25	Adipose Tissue Remodeling by Prolonged Administration of High Dose of Vitamin D3 in Rats Treated to Prevent Sarcopenia Pinzariu, AC; Pasca, SA; (...); Mocanu, V Sep 2017 REVISTA DE CHIMIE 68(9), pp.2139-2143	0	5	1	1	0	1.4	14
26	The Dynamics of the Main Oxidative Stress Chemical Markers in the Serum of Rats Stressed by Various Behavioural Tasks Alexa, AI; Cantemir, A; (...); Zamfir, CL Feb 2017 REVISTA DE CHIMIE 68(2), pp.350-353	0	0	0	0	0	1.2	12
27	Nutritional Modulators in Chemotherapy-Induced Neuropathic Pain Alexa-Stratulat, T; Luca, A; (...); Alexa, ID 2017 NUTRITIONAL MODULATORS OF PAIN IN THE AGING POPULATION, pp.9-33	0	2	0	1	0	0.6	6
28	Acute Respiratory Failure by Giant Epiglottitis Cyst Luca, AS; Zainea, V; (...); Hainarosie, R National ENT, Head and Neck Surgery Conference 2017 NATIONAL ENT, HEAD AND NECK SURGERY CONFERENCE, pp.114-117	0	0	0	0	0	0	0
29	Management of Odontogenic Maxillary Sinusitis Luca, AS; Zainea, V; (...); Hainarosie, R National ENT, Head and Neck Surgery Conference 2017 NATIONAL ENT, HEAD AND NECK SURGERY CONFERENCE, pp.118-121	0	0	0	0	0	0	0
30	The Management of the Malignant Submandibular Gland Tumors Popa, LE; Zainea, V; (...); Hainarosie, R National ENT, Head and Neck Surgery Conference 2017 NATIONAL ENT, HEAD AND NECK SURGERY CONFERENCE, pp.254-257	0	0	0	0	0	0	0
31	Laboratory Diagnosis for Optimize Therapy of B Hepatitis Virus Infection by Using Biochemical and Molecular Biology Methods Ursu, RG; Luca, CM; (...); Iancu, LS Dec 2016 REVISTA DE CHIMIE 67(12), pp.2614-2617	2	2	1	0	0	1	11
32	The Study of VHB Genotypes in a Population - a Pilot Study Luca, AS; Luca, MC; (...); Iancu, LS Mar 2016 REVISTA DE CHIMIE 67(3), pp.500-502	0	1	1	0	0	0.82	9
33	UPDATES IN THE ASSESSMENT OF RISK FACTORS IN CLOSTRIDIUM DIFFICILE INFECTION IN PATIENTS WITH INFECTIOUS DISEASES Luca, MC; Rosu, F; (...); Ochiz, L Jan-feb 2016 FARMACIA 64(1), pp.112-115	0	1	0	0	0	0.27	3
34	Preconditioning with cobalt chloride modifies pain perception in mice Alexa, T; Luca, A; (...); Bohotin, CR Apr 2015 EXPERIMENTAL AND THERAPEUTIC MEDICINE 9(4), pp.1465-1469	0	1	1	2	0	1.33	16
35	THE NEED FOR HBV GENOTYPING: A COST-EFFICIENT APPROACH Luca, AS; Ursu, RG; (...); Iancu, LS 2015 MEDICAL-SURGICAL JOURNAL-REVISTA MEDICO-CHIRURGICALA 119(4), pp.982-987	0	0	0	0	0	0.08	1
36	A CASE OF SEVERE HYPOALBUMINEMIA ASSOCIATED WITH CHRONIC CONGESTIVE HEART FAILURE: THE ROLE OF THE TRICUSPID REGURGITATION Alexa, ID; Ilie, AC; (...); Luca, A 2014 MEDICAL-SURGICAL JOURNAL-REVISTA MEDICO-CHIRURGICALA 118(1), pp.96-100	0	0	0	1	0	0.08	1
37	Incidence of chemotherapy discontinuation and characteristics of elderly patients with non-small cell lung cancer treated with platinum- based doublets Alexa, T; Lavinia, A; (...); Alexa, ID 2014 WSPOLCZESNA ONKOLOGIA-CONTEMPORARY ONCOLOGY 18(5), pp.340-343	2	0	0	0	0	0.69	9