

Fisa de verificare a îndeplinirii standardelor minime naționale

Tudor C. Badea – Candidat Cercetator Stiintific Gradul II Poziția 63

Criterii CSII Naționale pentru Comisia Medicina conform anexei Nr. 20 la Ordinul Ministrului Educației Naționale și Cercetării Științifice Nr. 6.129 din 20 Decembrie 2016:

Gradul	Articole ISI Autor Principal	Articole ISI Coautor	Index Hirsch	FCIAP – ISI Factor cumulat de impact autor principal
Criterii / CSII	6	3	4	6
Tudor Badea (21/11/2020) Web of science Researcher ID = B-1654-2018	25 (Prim autor 11 Ultim autor 12 Correspondent 2)	21	24	153.583

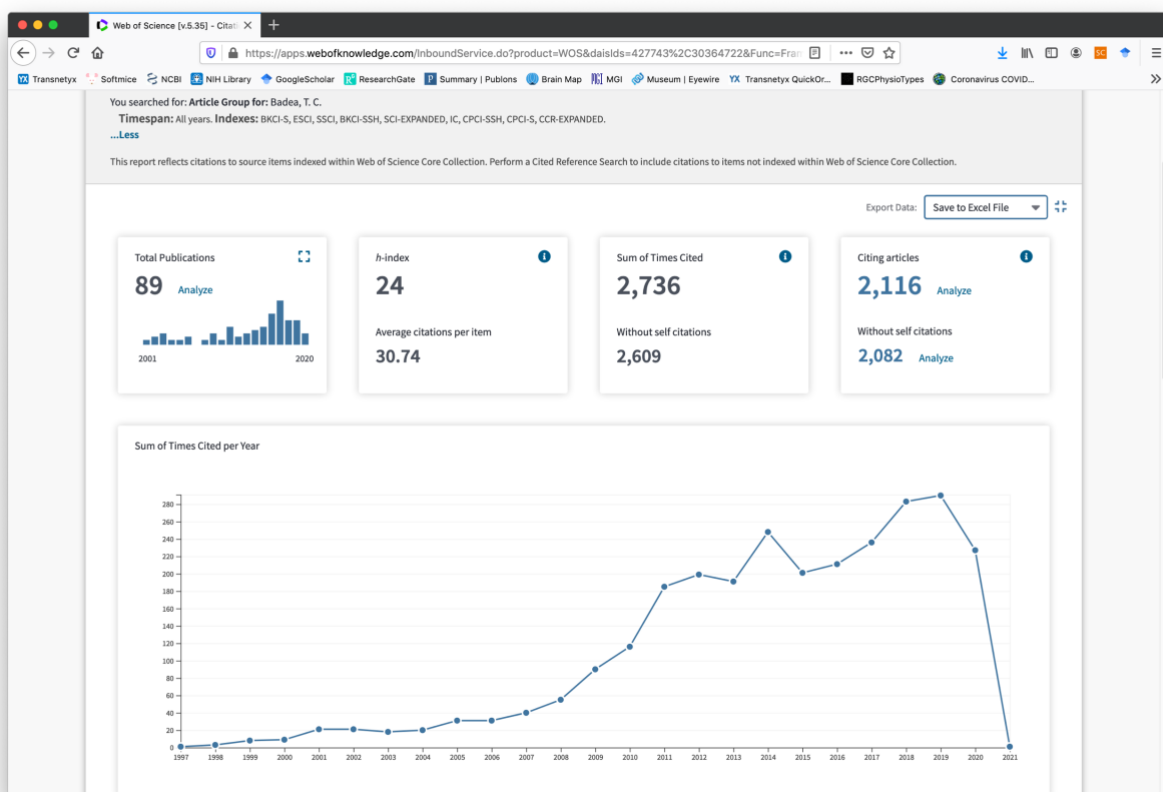
Lucrari in Jurnale ISI Prim autor								
Nr.	Titlu	Autori	Jurnal	IF la Publicare	Anul	DOI	Citatii	Quartila
1	Molecular cloning and characterization of RGC-32, a novel gene induced by complement activation in oligodendrocytes	Badea, TC; Niculescu, FI; Soane, L; Shin, ML; Rus, H	J OF BIOLOGICAL CHEMISTRY	7.199	1998	10.1074/jbc.273.41.26977	76	Q1
2	Calcium imaging of epileptiform events with single-cell resolution	Badea, T; Goldberg, J; Mao, BQ; Yuste, R	J OF NEUROBIOLOGY	3.304	2001	10.1002/neu.1052	47	Q1
3	RGC-32 increases p34(CDC2) kinase activity and entry of aortic smooth muscle cells into S-phase	Badea, T; Niculescu, F; Soane, L; Fosbrink, M; Sorana, H; Rus, V; Shin, ML; Rus, H	J OF BIOLOGICAL CHEMISTRY	6.696	2002	10.1074/jbc.M109354200	89	Q1
4	Anoninvasive genetic/pharmacologic strategy for visualizing cell morphology and clonal relationships in the mouse	Badea, TC; Wang, YS; Nathans, J	J OF NEUROSCIENCE	8.306	2003	10.1523/JNEUROSCI.23-06-02314.2003.	181	Q1
5	Sublytic terminal complement attack induces c-fos transcriptional activation in myotubes	Badea, TD; Park, JH; Soane, L; Niculescu, T; Niculescu, F; Rus, H; Shin, ML	J OF NEUROIMMUNOLOGY	3.054	2003	10.1016/S0165-5728(03)00261-3	10	Q2
6	Quantitative analysis of neuronal morphologies in the mouse retina visualized by using a genetically directed reporter	Badea, TC; Nathans, J	J OF COMPARATIVE NEUROLOGY	3.672	2004	10.1002/cne.20304	172	Q1
7	Order from disorder: Self-organization in mammalian hair patterning	Wang, Yanshu; Badea, Tudor; Nathans, Jeremy	PNAS	9.643	2006	10.1073/pnas.0609712104	64	Q1
8	Distinct Roles of Transcription Factors Brn3a and Brn3b in Controlling the Development, Morphology, and Function of Retinal Ganglion Cells	Badea, Tudor C.; Cahill, Hugh; Ecker, Jen; Hattar, Samer; Nathans, Jeremy	NEURON	13.26	2009	10.1016/j.neuron.2009.01.020	156	Q1
9	New Mouse Lines for the Analysis of Neuronal Morphology Using CreER(T)/loxP-Directed Sparse Labeling	Badea, Tudor C.; Hua, Zhong L.; Smallwood, Philip M.; Williams, John; Rotolo, Thomas; Ye, Xin; Nathans, Jeremy	PLOS ONE	4.351	2009	10.1371/journal.pone.0007859	53	Q1
10	Morphologies of mouse retinal ganglion cells expressing transcription factors Brn3a, Brn3b, and Brn3c: Analysis of wild type and mutant cells using genetically-directed sparse labeling	Badea, Tudor Constantin; Nathans, Jeremy	VISION RESEARCH	2.414	2011	10.1016/j.visres.2010.08.039	58	Q2
11	Combinatorial Expression of Brn3 Transcription Factors in Somatosensory Neurons: Genetic and Morphologic Analysis Ref 7 = prim co-autor	Badea, Tudor Constantin; Williams, John; Smallwood, Philip; Shi, Melody; Motajo, Oluwaseyi; Nathans, Jeremy	JOURNAL OF NEUROSCIENCE	6.908	2012	10.1523/JNEUROSCI.4755-11.2012	45	Q1

Lucrari in Jurnale ISI Autor Corespondent (dar nu ultim)								
Nr.	Titlu	Autori	Jurnal	IF la Publicare	Anul	DOI	Citatie	Quartila
1	Photoentrainment and pupillary light reflex are mediated by distinct populations of ipRGCs	Chen, S. -K.; Badea, T. C.; Hattar, S.	NATURE	36.28	2011	10.1038/nature10206	207	Q1
2	Modulation of Cellular Reactivity for Enhanced Cell-Based Biosensing	Gheorghiu, Mihaela; Stanica, Luciana; Polonschii, Cristina; David, Sorin; Ruckenstein, Andrei; Popescu, Octavian; Badea, Tudor; Gheorghiu, Eugen	ANALYTICAL CHEMISTRY	6.785	2020	10.1021/acs.analchem.9b03217	0	n/a

Lucrari in Jurnale ISI Autor Ultim si Corespondent								
Nr.	Titlu	Autori	Jurnal	IF la Publicare	Anul	DOI	Citatie	Quartila
1	A system to measure the Optokinetic and Optomotor response in mice	Kretschmer, Friedrich; Sajgo, Szilard; Kretschmer, Viola; Badea, Tudor C.	J OF NEUROSCIENCE METHODS	2.053	2015	10.1016/j.jneumeth.2015.08.007	24	Q3
2	Genetic Interactions between Brn3 Transcription Factors in Retinal Ganglion Cell Type Specification	Shi, Melody; Kumar, Sumit R.; Motajo, Oluwaseyi; Kretschmer, Friedrich; Mu, Xiuqian; Badea, Tudor C.	PLOS ONE	3.534	2013	10.1371/journal.pone.0076347	23	Q1
3	Molecular codes for cell type specification in Brn3 retinal ganglion cells	Sajgo, Szilard; Ghinia, Miruna Georgiana; Brooks, Matthew; Kretschmer, Friedrich; Chuang, Katherine; Hiriyanna, Suja; Wu, Zhijian; Popescu, Octavian; Badea, Tudor Constantin	PNAS	9.504	2017	10.1073/pnas.1618551114	22	Q1
4	Comparison of optomotor and optokinetic reflexes in mice	Kretschmer, Friedrich; Tariq, Momina; Chatila, Walid; Wu, Beverly; Badea, Tudor Constantin	J OF NEUROPHYSIOLOGY	2.502	2017	10.1152/jn.00055.2017	18	Q3
5	Dre - Cre Sequential Recombination Provides New Tools for Retinal Ganglion Cell Labeling and Manipulation in Mice	Sajgo, Szilard; Ghinia, Miruna Georgiana; Shi, Melody; Liu, Pinghu; Dong, Lijin; Parmhans, Nadia; Popescu, Octavian; Badea, Tudor Constantin	PLOS ONE	3.234	2014	10.1371/journal.pone.0091435	14	Q1
6	Dynamic expression of transcription factor Brn3b during mouse cranial nerve development	Sajgo, Szilard; Ali, Seid; Popescu, Octavian; Badea, Tudor Constantin	J OF COMPARATIVE NEUROLOGY	3.266	2016	10.1002/cne.23890	8	Q1
7	Novel Heterotypic Rox Sites for Combinatorial Dre Recombination Strategies	Chuang, Katherine; Nguyen, Eileen; Sergeev, Yuri; Badea, Tudor C.	G3-GENES GENOMES GENETICS	2.861	2016	10.1534/g3.115.025841	7	Q2
8	Postnatal developmental dynamics of cell type specification genes in Brn3a/Pou4f1 Retinal Ganglion Cells	Muzyka, Vladimir Vladimirovich; Brooks, Matthew; Badea, Tudor Constantin	NEURAL DEVELOPMENT	2.317	2018	10.1186/s13064-018-0110-0	6	Q2
9	Characterization of retinal ganglion cell, horizontal cell, and amacrine cell types expressing the neurotrophic receptor tyrosine kinase Ret	Parmhans, Nadia; Sajgo, Szilard; Niu, Jingwen; Luo, Wenqin; Badea, Tudor Constantin	J OF COMPARATIVE NEUROLOGY	3.239	2018	10.1002/cne.24367	4	Q1
10	Identification of Retinal Ganglion Cell Firing Patterns Using Clustering Analysis Supplied with Failure Diagnosis	Ghahari, Alireza; Kumar, Sumit R.; Badea, Tudor C.	INTERNATIONAL JOURNAL OF NEURAL SYSTEMS	6.4	2018	10.1142/S0129065718500089	1	Q1
11	Robust Spike Sorting of Retinal Ganglion Cells Tuned to Spot Stimuli	Ghahari, Alireza; Badea, Tudor C.	2016 38TH ANNUAL INTERNATIONAL CONFERENCE OF THE IEEE ENGINEERING IN MEDICINE AND BIOLOGY SOCIETY (EMBC)	n/a	2016		1	n/a
12	Differential expression and subcellular localization of Copines in mouse retina	Goel, Manvi; Li, Tiansen; Badea, Tudor C.	J OF COMPARATIVE NEUROLOGY	2.801	2019	10.1002/cne.24684	0	Q1
FCIAP = Suma FI Autor Principal				153.583	Quartila 1 Autor principal total		17	
					Quartila 2 Autor principal total		4	

Lucrari in Jurnale ISI Coautor								
Nr.	Titlu	Autori	Jurnal	IF la Publicare	Anul	DOI	Citatii	Quartila
1	Melanopsin cells are the principal conduits for rod-cone input to non-image-forming vision	Gueler, Ali D.; Ecker, Jennifer L.; Lall, Gurprit S.; Haq, Shafiqul; Altimus, Cara M.; Liao, Hsi-Wen; Barnard, Alun R.; Cahill, Hugh; Badea, Tudor C.; Zhao, Haiqing; Hankins, Mark W.; Berson, David M.; Lucas, Robert J.; Yau, King-Wai; Hattar, Samer	NATURE	31.434	2008	10.1038/nature06829	468	Q1
2	Norrin, Frizzled-4, and Lrp5 Signaling in Endothelial Cells Controls a Genetic Program for Retinal Vascularization	Ye, Xin; Wang, Yanshu; Cahill, Hugh; Yu, Minzhong; Badea, Tudor C.; Smallwood, Philip M.; Peachey, Neal S.; Nathans, Jeremy	CELL	32.403	2009	10.1016/j.cell.2009.07.047	237	Q1
3	Transmembrane semaphorin signalling controls laminar stratification in the mammalian retina	Matsuoka, Ryota L.; Nguyen-Ba-Charvet, Kim T.; Parry, Aijaz; Badea, Tudor C.; Chedotal, Alain; Kolodkin, Alex L.	NATURE	36.28	2011	10.1038/nature09675	134	Q1
4	Class 5 Transmembrane Semaphorins Control Selective Mammalian Retinal Lamination and Function	Matsuoka, Ryota L.; Chivatakarn, Onanong; Badea, Tudor C.; Samuels, Ivy S.; Cahill, Hugh; Katayama, Kei-ichi; Kumar, Sumit R.; Suto, Fumikazu; Chedotal, Alain; Peachey, Neal S.; Nathans, Jeremy; Yoshida, Yutaka; Giger, Roman J.; Kolodkin, Alex L.	NEURON	14.736	2011	10.1016/j.neuron.2011.06.009	97	Q1
5	Sublytic C5b-9 induces proliferation of human aortic smooth muscle cells - Role of mitogen activated protein kinase and phosphatidylinositol 3-kinase	Niculescu, F; Badea, T; Rus, H	ATHEROSCLEROSIS	2.877	1999	10.1016/S0021-9150(98)00185-3	90	Q2
6	Requirement for Microglia for the Maintenance of Synaptic Function and Integrity in the Mature Retina	Wang, Xu; Zhao, Lian; Zhang, Jun; Fariss, Robert N.; Ma, Wenxin; Kretschmer, Friedrich; Wang, Minhua; Qian, Hao Hua; Badea, Tudor C.; Diamond, Jeffrey S.; Gan, Wen-Biao; Roger, Jerome E.; Wong, Wai T.	JOURNAL OF NEUROSCIENCE	5.988	2016	10.1523/JNEUROSCI.3575-15.2016	76	Q1
7	Development of melanopsin-based irradiance detecting circuitry	McNeill, David S.; Sheely, Catherine J.; Ecker, Jennifer L.; Badea, Tudor C.; Morhardt, Duncan; Guido, William; Hattar, Samer	NEURAL DEVELOPMENT	3.703	2011	10.1186/1749-8104-6-8	48	Q1
8	Overexpression of RGC-32 in colon cancer and other tumors	Fosbrink, M; Cudrici, C; Niculescu, F; Badea, TC; David, S; Shamsuddin, A; Shin, ML; Rus, H	EXPERIMENTAL AND MOLECULAR PATHOLOGY	2.089	2005	10.1016/j.yexmp.2004.11.001	45	Q2
9	Modality-Based Organization of Ascending Somatosensory Axons in the Direct Dorsal Column Pathway	Niu, Jingwen; Ding, Long; Li, Jian J.; Kim, Hyukmin; Liu, Jiakun; Li, Haipeng; Moberly, Andrew; Badea, Tudor C.; Duncan, Ian D.; Son, Young-Jin; Scherer, Steven S.; Luo, Wenqin	JOURNAL OF NEUROSCIENCE	6.747	2013	10.1523/JNEUROSCI.3429-13.2013	41	Q1
10	A visual circuit uses complementary mechanisms to support transient and sustained pupil constriction	Keenan, William Thomas; Rupp, Alan C.; Ross, Rachel A.; Somasundaram, Preethi; Hiriyanna, Suja; Wu, Zhijian; Badea, Tudor C.; Robinson, Phyllis R.; Lowell, Bradford B.; Hattar, Samer S.	ELIFE	7.725	2016	10.7554/eLife.15392	34	Q1

11	Terminal complement complexes induce cell cycle entry in oligodendrocytes through mitogen activated protein kinase pathway	Rus, H; Niculescu, F; Badea, T; Shin, ML	IMMUNOPHARMACOLOGY	1.173	1997	10.1016/S0162-3109(97)00063-5	33	Q3
12	Tyrosine phosphorylation and activation of Janus kinase 1 and STAT3 by sublytic CSb-9 complement complex in aortic endothelial cells	Niculescu, F; Soane, L; Badea, T; Shin, M; Rus, H	IMMUNOPHARMACOLOGY	1.43	1999	10.1016/S0162-3109(99)00014-4	29	Q2
13	Tamoxifen Provides Structural and Functional Rescue in Murine Models of Photoreceptor Degeneration	Wang, Xu; Zhao, Lian; Zhang, Yikui; Ma, Wenxin; Gonzalez, Shaimar R.; Fan, Jianguo; Kretschmer, Friedrich; Badea, Tudor C.; Qian, Hao-Hua; Wong, Wai T.	JOURNAL OF NEUROSCIENCE	5.971	2017	10.1523/JNEUROSCI.2717-16.2017	21	Q1
14	RGC-32 is a novel regulator of the T-lymphocyte cell cycle	Tegla, Cosmin A.; Cudrici, Cornelia D.; Vinh Nguyen; Danoff, Jacob; Kruszewski, Adam M.; Boodhoo, Dallas; Mekala, Armugam P.; Vlaicu, Sonia I.; Chen, Ching; Rus, Violeta; Badea, Tudor C.; Rus, Horea	EXPERIMENTAL AND MOLECULAR PATHOLOGY	2.638	2015	10.1016/j.yexmp.2015.03.011	21	Q2
15	Sublytic terminal complement attack on myotubes decreases the expression of mRNAs encoding muscle-specific proteins	Lang, TJ; Badea, TC; Wade, R; Shin, ML	JOURNAL OF NEUROCHEMISTRY	4.234	1997	10.1046/j.1471-4159.1997.68041581.x	21	Q1
16	C-terminal phosphorylation regulates the kinetics of a subset of melanopsin-mediated behaviors in mice	Somasundaram, Preethi; Wyrick, Glenn R.; Fernandez, Diego Carlos; Ghahari, Alireza; Pinhal, Cindy M.; Richardson, Melissa Simmonds; Rupp, Alan C.; Cui, Lihong; Wu, Zhijian; Brown, R. Lane; Badea, Tudor Constantin; Hattar, Samer; Robinson, Phyllis R.	PNAS	9.504	2017	10.1073/pnas.1611893114	13	Q1
17	RGC-32 Promotes Th17 Cell Differentiation and Enhances Experimental Autoimmune Encephalomyelitis	Rus, Violeta; Nguyen, Vinh; Tatmir, Alexandru; Lees, Jason R.; Mekala, Armugam P.; Boodhoo, Dallas; Tegla, Cosmin A.; Luzina, Irina G.; Antony, Paul A.; Cudrici, Cornelia D.; Badea, Tudor C.; Rus, Horea G.	J OF IMMUNOLOGY	4.539	2017	10.4049/jimmunol.1602158	8	Q2
18	RGC-32 regulates reactive astrocytosis and extracellular matrix deposition in experimental autoimmune encephalomyelitis	Tatmir, Alexandru; Tegla, Cosmin A.; Martin, Alvaro; Boodhoo, Dallas; Vinh Nguyen; Sugarman, Adam J.; Mekala, Armugam; Anselmo, Freidrich; Talpos-Caia, Anamaria; Cudrici, Cornelia; Badea, Tudor C.; Rus, Violeta; Rus, Horea	IMMUNOLOGIC RESEARCH	2.61	2018	10.1007/s12026-018-9011-x	7	Q3
19	Essential Roles of Tbr1 in the Formation and Maintenance of the Orientation-Selective J-RGCs and a Group of OFF-Sustained RGCs in Mouse	Kiyama, Takae; Long, Ye; Chen, Ching-Kang; Whitaker, Christopher M.; Shay, Allison; Wu, Hongyu; Badea, Tudor C.; Mohsenin, Amir; Parker-Thornburg, Jan; Klein, William H.; Mills, Stephen L.; Massey, Stephen C.; Mao, Chai-An	CELL REPORTS	8.109	2019	10.1016/j.celrep.2019.03.077	1	Q1
20	Brn3a and Brn3b Knockout Mice Display Unvaried Retinal Fine Structure Despite Major Morphological and Numerical Alterations of Ganglion Cells	Ghinia, Miruna Georgiana; Novelli, Elena; Sajgo, Szilard; Badea, Tudor Constantin; Stretto, Enrica	J OF COMPARATIVE NEUROLOGY	2.801	2019	10.1002/cne.24072	6	Q1
21	Cellular sensing platform with enhanced sensitivity based on optogenetic modulation of cell homeostasis	Gheorghiu, Mihaela; Stanica, Luciana; Tegla, Miruna G. Ghinia; Polonschii, Cristina; Bratu, Dumitru; Popescu, Octavian; Badea, Tudor; Gheorghiu, Eugen	BIOSENSORS & BIOELECTRONICS	10.257	2020	10.1016/j.bios.2019.112003	0	n/a



Data: 25/11/2020

Semnatura: