Director CSUD,
Prof. dr. Anca Mirela ANDREICA

Director SDC,
Prof. dr. Tiberiu FRENȚIU

Fișa de îndeplinire a standardelor minimale stabilite de CNATDCU, pentru abilitare, Comisia Chimie

dr. CONSTANTIN ADRIAN APETRI

Nr/A	Titlul articolului	Autorii	Revista	DOI/WOS	IF 2023 (FIC)	Autor de corespon-denta	Prim-autor	FIC (AP)	FIC (AC)	Anul publicarii	Numar citari
1	A stable trimeric influenza hemagglutinin stem as a broadly protective immunogen	Impagliazzo A, Milder F, Kuipers H, Wagner MV, Zhu X, Hoffman RM, van Meersbergen R, Huizingh J, Wanningen P, Verspuij J, de Man M, Ding Z, Apetri A, Kükrer B, Sneekes-Vriese E, Tomkiewicz D, Laursen NS, Lee PS, Zakrzewska A, Dekking L, Tolboom J, Tettero L, van Meerten S, Yu W, Koudstaal W, Goudsmit J, Ward AB, Meijberg W, Wilson IA, Radošević K.	Science. 2015 Sep 18;349(6254):1301-6. PMID: 26303961.	10.1126/science.aac7263. Epub 2015 Aug 24	**44,8**					2015	457
2	The GroEL/GroES cis cavity as a passive anti-aggregation device.	Horwich AL, Apetri AC, Fenton WA.	FEBS Lett. Aug 20;583(16):2654-62.	doi: 10.1016/j.febslet.2009.06.049. Epub 2009 Jul 3. PMID: 19577567; PMCID: PMC2759771.	**3**						74
3	The emerging principles of mammalian prion propagation and transmissibility barriers: Insight from studies in vitro.	Surewicz WK, Jones EM, Apetri AC.	Acc Chem Res. 2006 Sep;39(9):654-62.	doi: 10.1021/ar050226c. Erratum in: Acc Chem Res. 2006 Nov;39(11):879-80. PMID: 16981682.	**16,7**						51
4	Immunological memory to hyperphosphorylated tau in asymptomatic individuals.	Pascual G, Wadia JS, Zhu X, Keogh E, Kükrer B, van Ameijde J, Inganäs H, Siregar B, Perdok G, Diefenbach O, Nahar T, Sprengers I, Koldijk MH, der Linden EC, Peferoen LA, Zhang H, Yu W, Li X, Wagner M, Moreno V, Kim J, Costa M, West	Acta Neuropathol. 2017 May;133(5):767-783.	doi: 10.1007/s00401-017-1705-y. Epub 2017 Mar 24. PMID: 28341999; PMCID: PMC5390017.	**9,3**						38
5	Cell-based Assay to Study Antibody-mediated Tau Clearance by Microglia	De Marco D, Taggenbrock R, Crespo R, Koudstaal W, Ramsburg E, Apetri A	. J Vis Exp. 2018 Nov 9;(141).	doi: 10.3791/58576. PMID: 30474638.	**1,2**	Yes	Yes	1,2	1,2		4
6	Structural Basis for Recognition of a Unique Epitope by a Human Anti-tau Antibody	Zhang H, Zhu X, Pascual G, Wadia JS, Keogh E, Hoozemans JJ, Siregar B, Inganäs H, Stoop EJM, Goudsmit J, Apetri A, Koudstaal W, Wilson IA	Structure. 2018 Dec 4;26(12):1626-1634.e4.	doi: 10.1016/j.str.2018.08.012. Epub 2018 Oct 11. PMID: 30318466.	**4,4**						8
7	Epitope mapping of diverse influenza Hemagglutinin drug candidates using HDX-MS.	Puchades C, Kükrer B, Diefenbach O, Sneekes-Vriese E, Juraszek J, Koudstaal W, Apetri A.	Sci Rep. 2019 Mar 18;9(1):4735.	. doi: 10.1038/s41598-019-41179-0. PMID: 30894620; PMCID: PMC6427009.	**3,8**	Yes	Yes	3,8	3,8		32
8	A common antigenic motif recognized by naturally occurring human V_H5-51/V_L4-1 anti-tau antibodies with distinct functionalities.	Apetri A, Crespo R, Juraszek J, Pascual G, Janson R, Zhu X, Zhang H, Keogh E, Holland T, Wadia J, Verveen H, Siregar B, Mrosek M, Taggenbrock R, Ameijde J, Inganäs H, van Winsen M, Koldijk MH, Zuijdgeest D, Borgers M, Dockx K, Stoop EJM, Yu W, Brinkman-van der Linden EC, Ummenthum K, van Kolen K, Mercken M	Acta Neuropathol Commun. 2018 May 31;6(1):43.	doi: 10.1186/s40478-018-0543-z. PMID: 29855358; PMCID: PMC5984341	**6,2**	Yes	Yes	6,2	6,2		17
9	In Vitro Assay for Studying the Aggregation of Tau Protein and Drug Screening.	Crespo R, Koudstaal W, Apetri A.	J Vis Exp. 2018 Nov 20;(141).	doi: 10.3791/58570. PMID: 30531722.	**1,2**	Yes	Yes	1,2	1,2		14

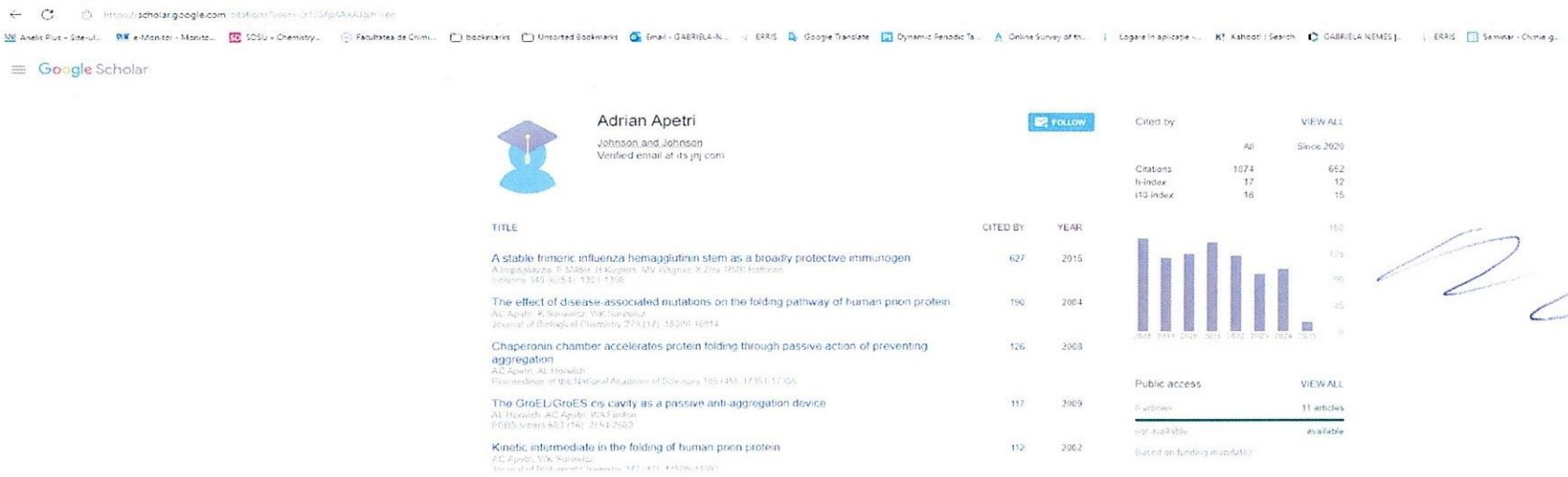
10	Naturally occurring antibodies isolated from PD patients inhibit synuclein seeding in vitro and recognize Lewy pathology.	Li X, Koudstaal W, Fletcher L, Costa M, van Winsen M, Siregar B, Inganäs H, Kim J, Keogh E, Macedo J, Holland T, Perry S, Bard F, Hoozemans JJ, Goudsmit J, Apetri A, Pascual G.	Acta Neuropathol. 2019 May;137(5):825-836.	doi: 10.1007/s00401-019-01974-5. Epub 2019 Feb 25. PMID: 30805666; PMCID: PMC6482120.	**9,3**	Yes	Yes	9,3	9,3		34
11	Characterization and immunogenicity of a novel mosaic M HIV-1 gp140 trimer.	Nkolola JP, Bricault CA, Cheung A, Shields J, Perry J, Kovacs JM, Giorgi E, van Winsen M, Apetri A, Brinkman-van der Linden EC, Chen B, Korber B, Seaman MS,Barouch DH.	J Virol. 2014 Sep 1;88(17):9538-52.	doi: 10.1128/JVI.01739-14. Epub 2014 Jun 25. PMID: 24965452; PMCID: PMC4136343.	**4**						26
12	Comparison of size distribution and (Pro249-Ser258) epitope exposure in in vitro and in vivo derived Tau fibrils.	Marreiro A, Van Kolen K, Sousa C, Temmerman L, Vasconcelos B, Crespo-Rodriguez R, van Weering JRT, Van Dam D, De Deyn PP, Apetri A, Schoofs L, Mercken MH.	BMC Mol Cell Biol. 2020 Nov 12;21(1):81.3	doi: 10.1186/s12860-020-00320-y. PMID: 33183222; PMCID: PMC7661158.	**2,4**						3
13	Enhancement of therapeutic potential of a naturally occurring human antibody targeting a phosphorylated Ser⁴²² containing epitope on pathological tau.	van Ameijde J, Crespo R, Janson R, Juraszek J, Siregar B, Verveen H, Sprengers I, Nahar T, Hoozemans JJ, Steinbacher S, Willems R, Delbroek L, Borgers M, Dockx K, Van Kolen K, Mercken M, Pascual G, Koudstaal W, Apetri A.	. Acta Neuropathol Commun. 2018 Jul 12;6(1):59.	doi: 10.1186/s40478-018-0562-9. PMID: 30001207; PMCID: PMC6042391.	**6,2**	Yes	Yes	6,2	6,2		15
14	Prion protein amyloid formation under native-like conditions involves refolding of the C-terminal alpha-helical domain.	Cobb NJ, Apetri AC, Surewicz WK.	J Biol Chem. 2008 Dec 12;283(50):34704-11.	doi: 10.1074/jbc.M806701200. Epub 2008 Oct 17. PMID: 18930924; PMCID: PMC2596397.	**4**						49
15	Chaperonin chamber accelerates protein folding through passive action of preventing aggregation.	Apetri AC, Horwich AL.	Proc Natl Acad Sci U S A. 2008 Nov 11;105(45):17351-5.	doi:10.1073/pnas.0809794105. Epub 2008 Nov 5. PMID: 18987317; PMCID: PMC2579888.	**9,4**		Yes	9,4			82
16	Polymorphism at residue 129 modulates the conformational conversion of the D178N variant of human prion protein 90-231.	Apetri AC, Vanik DL, Surewicz WK.	Biochemistry. 2005 Dec 6;44(48):15880-8.	doi: 10.1021/bi051455+. PMID: 16313190.	**2,9**		Yes	2,9			69
17	Early intermediate in human prion protein folding as evidenced by ultrarapid mixing experiments.	Apetri AC, Maki K, Roder H, Surewicz WK.	. J Am Chem Soc. 2006 Sep 6;128(35):11673-8.	doi: 10.1021/ja063880b. PMID: 16939293; PMCID: PMC2856597.	**14,5**		Yes	14,5			62
18	The effect of disease-associated mutations on the folding pathway of human prion protein	Apetri, AC (Apetri, AC) ; Surewicz, K (Surewicz, K) ; Surewicz, WK (Surewicz, WK)	J Biol Chem. 2004 Apr23; 279(17):18008-14.	DOI10.1074/jbc.M313581200	**4**		Yes	4			131
19	Atypical effect of salts on the thermodynamic stability of human prion protein	Apetri, AC (Apetri, AC) ; Surewicz, WK (Surewicz, WK)	J Biol Chem. 2003 Jun 20 278(25):22187-192	DOI10.1074/jbc.M302130200	**4**		Yes	4			66
20	Kinetic intermediate in the folding of human prion protein	Apetri, AC and Surewicz, WK	J Biol Chem. 2002 JNov 22 277(47):44589-92	DOI10.1074/jbc.C200507200	**4**		Yes	4			82
	TOTAL				**155,3**			**66,7**	**27,9**		**1314**

TABEL CENTRALIZATOR

Categorie Profesor / CSI / Habilitare	N_{max}	FIC	FIC_D	FIC_{AP}	FIC_{AC}	h index
CRITERII CNADTCU REALIZATE (WoS)	20	155,3	155,3	66,7	27,9	16
Criterii minimale CNATDCU-CHIMIE	*50*	*100*	*70*	*50*	*25*	*13*

Datele scientometrice sunt preluate din baza de date Web of Science (Adian Apetri or Apetri AC, or Apetri A).

Profilul google scholar: Adrian Apetri : https://scholar.google.com/citations?user=Cr1SSfgAAAAJ&hl=en



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FOLLOW

TITLE	CITED BY	YEAR
A stable trimeric influenza hemagglutinin stem as a broadly protective immunogen	627	2015
The effect of disease-associated mutations on the folding pathway of human prion protein	190	2004
Chaperonin chamber accelerates protein folding through passive action of preventing aggregation	126	2008
The GroEL/GroES cis cavity as a passive anti-aggregation device	117	2009
Kinetic intermediate in the folding of human prion protein	112	2002

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