ACADEMIA ROMÂNĂ
SCOSAAR

Anexa nr.3

AVIZAT
DIRECTOR SCOSAAR
Acad. Maria ZAHARESCU

ÎNDEPLINIREA STANDARDELOR MINIMALE [X] DA | [] | NU

FIŞA DE ÎNDEPLINIRE A STANDARDELOR MINIMALE
conform CNATDCU

Candidat: Popa Alexandru-Anton

FIŞĂ DE VERIFICARE a îndeplinirii standardelor minimale

Scor relativ de influenţa al articolelor publicate

i	Articol	≤ 7 ani	s_i	n_i	s_i/n_i
1	*Central values of Rankin L-series over real quadratic fields.* **Comp. Math.** 142 (2006), 811-866.		3.775	1	3.775
2	*Whittaker newforms for archimedean representations of GL(2).* **J. of Number Theory** 128/6 (2008), 1637-1645.		0.97	1	0.97
3	*Rational decomposition of modular forms.* **Ramanujan J.** 26/3 (2011), 419-435.		0.982	1	0.982
4	(cu V. Paşol) *Modular forms and period polynomials.* **Proc. London Math. Soc.** 107/4 (2013), 713-743.		3.4	2	1.7
5	(cu F.P. Boca, V. Paşol, A. Zaharescu) *Pair correlation of angles between reciprocal geodesics on the modular surface.* **Algebra and Number Theory** 8 (2014), 999-1035.		2.699	4	0.674
6	*Pair correlation of hyperbolic lattice angles* (with F.P. Boca, A. Zaharescu). **Int. J. Number Theory** 10/8 (2014), 1955-1989.		0.881	3	0.294
7	(cu V. Paşol) *On the Petersson scalar product of arbitrary modular forms.* **Proc. Amer. Math. Soc.** 142 (2014), 753-760.		1.367	2	0.683
8	(cu V. Paşol) *An algebraic property of Hecke operators and two indefinite theta series.* **Forum Math.** 27/2 (2015), 915-928.		1.309	2	0.654
9	*A combinatorial refinement of the Kronecker-Hurwitz class number relation* (with D. Zagier). **Proc. Amer. Math. Soc.** 145/3 (2017), 1003-1008.	X	1.367	2	0.683
10	*On the trace formula for Hecke operators on congruence subgroups.* **Proc. Amer. Math. Soc.** 146/7 (2018), 2749-2764.	X	1.367	1	1.367
11	*On the trace formula for Hecke operators on congruence subgroups II.* **Research in the Math. Sciences** 5:3 (2018)	X	2.121	1	2.121
12	*A generalization of Ramanujans congruence to modular forms of prime level* (with R. Gaba) **J. of Number Theory** 193 (2018), 48–73	X	0.97	2	0.485
13	*An elementary proof of the Eichler-Selberg trace formula* (with D. Zagier) **J. Reine Angew. Math.** 762 (2020), 105–122	X	3.93	2	1.965
Total:	$S = 16.354$ $S_{\text{recent}} = 6.621$				

Listă de citări (s_i luat din ediția 2022 a RIS)

i	Articolul citat	Revista și articolul în care a fost citat	s_i
1	*Central values of Rankin L-series over real quadratic fields.* **Comp. Math.** 142 (2006), 811-866	H. Xe, *Central values of Rankin L-functions.* **Int. Math. Res. Not.** (2006), 26150	2.083
2		S. Fischler, T. Rivoal, *Un exposant de densité en approximation rationnelle.* **Int. Math. Res. Not.** (2006), 095418	2.083
3		G. Harcos, P. Michel, *The subconvexity problem for Rankin–Selberg L-functions and equidistribution of Heegner points. II.* **Invent. math.** 163 (2006), 581-655.	8.564
4		N. Templier, *Minoration de rangs de courbes elliptiques.* Comptes Rendus Math. 346 (2008), 1225-1230.	1.113
5		Feigon, B., Whitehouse, D., *Averages of central L-values of Hilbert modular forms with an application to subconvexity.* **Duke Math. J.** (2009), 347–410	6.097
6		Bertolini, M., Darmon, H. *The rationality of Stark-Heegner points over genus fields of real quadratic fields.* **Ann. of Math.** (2) 170 (2009), no. 1, 343–370	13.434
7		W Luo, Z Rudnick and P Sarnak, *The variance of arithmetic measures associated to closed geodesics on the modular surface*, **J. of Modern Dynamics** (2009) 271-309	2.605
8		Einsiedler, M., Lindenstrauss, E., Michel, P., Venkatesh, A., *Distribution of periodic torus orbits on homogeneous spaces.* **Duke Math. J.** 148 (2009), no. 1, 119–174	6.097
9		Martin, K., Whitehouse, D., *Central L-values and toric periods for* GL(2). **Int. Math. Res. Not.** (2009), 141-191	2.083
10		Murase, A. *CM values and central L-values of elliptic modular forms.* **Math. Ann.** 347 (2010), no. 3, 529-543	2.710
11		K. Prasanna, *On the Fourier coefficients of modular forms of half-integral weight.* **Forum Math.** 22 (2010), 153-177.	1.179
12		Zhao, Peng, *Quantum Variance of Maass-Hecke Cusp Forms*, **Comm. in math. physics 297** (2010), 475-514	2.917
13		E. Breuillard, *Equidistribution Of Toric Orbits On Homogenous Spaces.* **Asterisque** 232 (2010), 305-339.	3.392
14		Templier, N., *A nonsplit sum of coefficients of modular forms,* **Duke Math. J. 157** (2011), 109-165	6.097
15		Einsiedler, M.; Lindenstrauss, E.; Michel, P.; Venkatesh, A., *Distribution of periodic torus orbits and Duke's theorem for cubic fields,* **Ann. of Math.** (2011), 815-885	13.434
16		D. Trotabas, *Non annulation des fonctions L des formes modulaires de Hilbert au point central.* Ann. Inst. Fourier 61 (2011), 187-259.	2.130
17		H. Xue, *The derivative of an incoherent Eisenstein series.* **Trans. Amer. Math. Soc.** 364 (2012), 3311-3327	2.521
18		R. Masri, *The asymptotic distribution of traces of cycle integrals of the j-function*, **Duke Math. J.** (2012), 1971-2000	6.097
19		M.A. Seveso, *p-adic L-functions and the rationality of Darmon cycles.* **Canad. J. Math.** 64 (2012), 1122-1181.	1.711

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i	Articolul citat	Revista și articolul în care a fost citat	s_i
20	*Central values of Rankin L-series over real quadratic fields.* **Comp. Math.** 142 (2006), 811-866	M. Longo, M.-H. Nicole, *The Λ-adic Shimura-Shintani-Waldspurger Correspondence.* **Documenta Mathematica** 18 (2013), 1-21.	1.865
21		M. Longo, V. Rotger, S. Vigni, *Special values of L-functions and the arithmetic of Darmon points.* **J Reine Angew Math** 684 (2013), 199-244.	3.716
22		P.D. Nelson, *Stable averages of central values of Rankin–Selberg L-functions: some new variants.* **J. of Number Theory** 133 (2013), 2588-2615.	0.957
23		M. Longo, V. Rotger, S. Vigni, *Special values of L-functions and the arithmetic of Darmon points.* **J. Reine Angew. Math.** 684 (2013), 199–244	3.716
24		M. Longo, S. Vigni, *The rationality of quaternionic Darmon points over genus fields of real quadratic fields.* **Int. Math. Res. Notices** 13 (2014), 3632-3691.	2.083
25		M. Aka, M. Einsiedler, *Duke's theorem for subcollections.* **Ergodic Theory and Dynamical Systems** 36 (2016), 335-342	1.445
26		M. Greenberg, M.A. Seveso, S. Shahabi, *Modular p-adic L-functions attached to real quadratic fields and arithmetic applications.* **J Reine Angew Math** 721 (2016), 167–231	3.716
27		D. File, K. Martin, A. Pitale, *Test vectors and central L-values for GL(2)*, **Algebra & Number Theory** 11 (2017), 253 – 318	2.699
28		J. Bourgain, A. Kontorovich, *Beyond expansion II: low-lying fundamental geodesics.* **J. European Math. Soc.** 19 (2017), 1331–1359.	5.658
29		M. Longo, Z. Mao, *Kohnen's formula and a conjecture of Darmon and Tornaria.* **Trans. Amer. Math. Soc.** 370 (2018), 73–98.	2.521
30		G. Venkat, *Darmon cycles and the Kohnen-Shintani lifting.* **Trans. Amer. Math. Soc.** 370 (2018), 4059-4087.	2.521
31	*Whittaker newforms for archimedean representations of GL(2).* **J. Number Theory** 128/6 (2008), 1637-1645	Booker, A.R.; Krishnamurthy, *A strengthening of the GL(2) converse theorem.* **Comp. Math. 147** (2011), 669-715	3.775
32		S. Marshall, *Triple product L-functions and quantum chaos on SL(2,C)*, **Israel Journal of Mathematics** 200 (2014), 423-448	1.734
33		Li Cai, Jie Shu, Ye Tian, *Explicit Gross–Zagier and Waldspurger formulae*, **Algebra and number theory** 8 (2014), 2523–2572.	2.699
34		K. Namikawa, *On a congruence prime criterion for cusp forms on GL(2) over number fields*, **J. Reine Angew. Math.** 707 (2015), 149–208	3.716

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i	Articolul citat	Revista și articolul în care a fost citat	s_i
35	*Rational decomposition of modular forms.* **Ramanujan J.** 26/3 (2011), 419-435	K. Bringmann, P. Guerzhoy, Z. Kent, K. Ono, *Eichler-Shimura theory for mock modular forms*, **Math. Ann.** 355 (2013), 1085-1121	2.710
36		M. Hirose, N. Sato, K.Tasaka, *Eisenstein series identities based on partial fraction decomposition.* **Ramanujan. J** 38/3 (2015), 455-463	0.762
37	(cu V. Paşol) *Modular forms and period polynomials.* **Proc. London Math. Soc.** 107/4 (2013), 713-743	D. Choi, S. Lim, *Pairings of harmonic Maass–Jacobi forms involving special values of partial L-functions.* **J. Number Theory** 157 (2015), 442–467.	0.957
38		D. Choi, S. Lim, *Finite-dimensional period spaces for the spaces of cusp forms.* **Israel J. of Math.** 216/2 (2016), 507-543.	1.739
39		A. Straub, *Special values of trigonometric Dirichlet series and Eichler integrals.* **Ramanujan J.** 41 (2016), 269–285.	0.762
40		S. Jin, W. Ma, K. Ono, K. Soundararajan, *Riemann hypothesis for period polynomials of modular forms.* **Proc. Nat. Acad. Sciences** 113/10 (2016), 2603–2608.	7.288
41		B.C. Berndt, A. Straub, *On a secant Dirichlet series and Eichler integrals of Eisenstein series.* **Math. Zeit.** 284 (2016), 827–852.	1.702
42		K. Ono, L. Rolen, F. Sprung, *Zeta-polynomials for modular form periods.***Advances in Mathematics** 306 (2017), 328-343	3.187
43		M. Westerholt-Raum, *Products of vector valued Eisenstein series.* **Forum Math.** 29/1 (2017), 157-186	1.179
Total:		C = 43	

Data: 8.8.2023

Semnatura: