Fişa de verificare a îndeplinirii standardelor minimale. Domeniul 'chimie'

Pentru verificarea îndeplinirii standardului S_{med}

N. Pub.	Ref. Pub.	RIS	N	RIS/N
1	Jäntschi, L., Popescu, V., Bolboaca, S.D. Toxicity caused by para-substituted phenols on Tetrahymena pyriformis: The structure-activity relationships (2008) Electronic Journal of Biotechnology, 11 (3) Article Number: 9	0.553	3	0.1844
2	Jäntschi, L., Bolboaca, S.D. Exact probabilities and confidence limits for binomial samples: Applied to the difference between two proportions (2010) TheScientificWorldJournal, 10, pp. 865-878.	0.621	2	0.3104
3	Bolboaca, S.D., Jäntschi, L. Comparison of quantitative structure-activity relationship model performances on carboquinone derivatives (2009) TheScientificWorldJournal, 9, pp. 1148-1166.	0.621	2	0.3104
4	Jäntschi, L., Bolboaca, S.D., Furdui, C.M. Characteristic and counting polynomials: Modelling nonane isomers properties (2009) Molecular Simulation, 35 (3), pp. 220-227.	0.734	3	0.2446
5	Jantschi, L., Bolboaca, S.-D. Modeling the octanol-water partition coefficient of substituted phenols by the use of structure information (2007) International Journal of Quantum Chemistry, 107 (8), pp. 1736-1744.	0.744	2	0.3722
6	Bolboaca, S.D., Jäntschi, L. A structural informatics study on collagen (2008) Chemical Biology and Drug Design, 71 (2), pp. 173-179.	0.800	2	0.4002
7	Bolboaca, S.D., Pica, E.M., Cimpoiu, C.V., Jäntschi, L. Statistical assessment of solvent mixture models used for separation of biological active compounds (2008) Molecules, 13 (8), pp. 1617-1639.	0.824	4	0.2059
8	Balan, M.C., Damian, M., Jantschi, L. Preliminary results on design and implementation of a solar radiation monitoring system (2008) Sensors, 8 (2), pp. 963-978.	1.149	3	0.3829
9	Jantschi, L., Diudea, M.V. Subgraphs of pair vertices (2009) Journal of Mathematical Chemistry, 45 (2), pp. 364-371.	1.214	2	0.6071
10	Jäntschi, L., Bolboaca, S.D., Sestras, R.E. A study of genetic algorithm evolution on the lipophilicity of polychlorinated biphenyls (2010) Chemistry and Biodiversity, 7 (8), pp. 1978-1989.	1.334	3	0.4448
11	Suciu, I., Cosma, C., Todica, M., Bolboaca, S.D., Jantschi, L. Analysis of soil heavy metal pollution and pattern in central Transylvania (2008) International Journal of Molecular Sciences, 9 (4), pp. 434-453.	1.572	5	0.3144
12	Cosma, C., Suciu, I., Jantschi, L., Bolboaca, S.D. Ion-molecule reactions and chemical composition of emanated from herculane Spa geothermal sources (2008) International Journal of Molecular Sciences, 9 (6), pp. 1024-1033.	1.572	4	0.3930
13	Jäntschi, L., Bolboaca, S.D., Diudea, M.V. Chromatographic retention times of polychlorinated biphenyls: From structural information to property characterization (2007) International Journal of Molecular Sciences, 8 (11), pp. 1125-1157.	1.572	3	0.5239
14	Bolboaca, S.D., Jäntschi, L. Predictivity approach for quantitative structure-property models. Application for blood-brain barrier permeation of diverse drug-like compounds (2011) International Journal of Molecular Sciences, 12 (7), pp. 4348-4364.	1.572	2	0.7859
15	Bolboaca, S.D., Jantschi, L. How good can the characteristic polynomial be for correlations? (2007) International Journal of Molecular Sciences, 8 (4), pp. 335-345.	1.572	2	0.7859

16	Jäntschi, L., Bolboaca, S.-D. Results from the use of molecular descriptors family on structure property/activity relationships (2007) International Journal of Molecular Sciences, 8 (3), pp. 189-203.	1.572	2	0.7859
17	Bolboaca, S.-D., Jantschi, L. Modelling the property of compounds from structure: Statistical methods for models validation (2008) Environmental Chemistry Letters, 6 (3), pp. 175-181.	1.680	2	0.8402
18	Jäntschi, L., Bolboaca, S.D., Sestras, R.E. Meta-heuristics on quantitative structure-activity relationships: Study on polychlorinated biphenyls (2010) Journal of Molecular Modeling, 16 (2), pp. 377-386.	1.812	3	0.6041
19	Jantschi, L., Bolboaca, S.D. A structural modelling study on marine sediments toxicity (2008) Marine Drugs, 6 (2), pp. 372-388.	1.824	2	0.9121
20	Jantschi, L., Katona, G., Diudea, M.V. Modeling Molecular Properties by Cluj Indices (2000) Match, 41, pp. 151-188.	2.167	3	0.7224
21	Bolboaca, S.D., Jantschi, L. Modelling analysis of amino acids hydrophobicity (2008) Match, 60 (3), pp. 1021-1032.	2.167	2	1.0836
Total:		$\sum_{i=1}^{N_S} \frac{RIS_i}{N_i} =$		11.2143

N_S=	21 (>20=N_{ref})	S_{med}=	**0.534**

Pentru verificarea îndeplinirii standardului C_{med}

N. Pub.	N. Cit.	Ref. Cit.	RIS
1-2	**Diudea M. V., Gutman I., Jäntschi L., "Molecular Topology", Nova Science, 2001 (ed.1) & 2002 (ed.2).**		
	1	Generation and graph-theoretical properties of C4-TORI Diudea, M.V., Graovac, A. 2001 **MATCH-COMMUN MATH CO** 44, 93-102	2.167
	2	Relations between the permanental and characteristic polynomials of fullerenes and benzenoid hydrocarbons Gutman, I., Cash, G.G. 2002 **MATCH-COMMUN MATH CO** 45, 55-70	2.167
	3	Hosoya polynomial in Tori Diudea, M.V. 2002 **MATCH-COMMUN MATH CO** 45, 109-122	2.167
	4	Distance counting in Tori Diudea, M.V., Pârv, B., John, P.E., Ursu, O., Graovac, A. 2003 **MATCH-COMMUN MATH CO** 49, 23-36	2.167
	5	Impact of the Sachs theorem on theoretical chemistry: A participant's testimony Gutman, I. 2003 **MATCH-COMMUN MATH CO** 48, 17-34	2.167
	6	Wiener index under gated amalgamations Klavžar, S. 2005 **MATCH-COMMUN MATH CO** 53 (1), 181-194	2.167
	7	Variable Wiener indices of thorn graphs Zhou, B., Graovac, A., Vukičević, D. 2006 **MATCH-COMMUN MATH CO** 56 (2), 375-382	2.167
	8	An exact expression for the Wiener index of a polyhex nanotorus Yousefi, S., Ashrafi, A.R. 2006 **MATCH-COMMUN MATH CO** 56 (1), 169-178	2.167
	9	Wiener index of toroidal polyhexes Zhang, H., Xu, S., Yang, Y. 2006 **MATCH-COMMUN MATH CO** 56 (1), 153-168	2.167
	10	PI index of polyhex nanotori Ashrafi, A.R., Rezaei, F. 2007 **MATCH-COMMUN MATH CO** 57 (1), 243-250	2.167
	11	Omega and related counting polynomials Diudea, M.V., Cigher, S., John, P.E. 2008 **MATCH-COMMUN MATH CO** 60 (1), 237-250	2.167
	12	The architecture of software systems for molecular topology Parv, B. 2008 **MATCH-COMMUN MATH CO** 60 (3), 869-882	2.167
	13	Omega polynomial in twisted (4,4) tori Diudea, M.V., Vizitiu, A.E., Gholaminezhad, F., Ashrafi, A.R. 2008 **MATCH-COMMUN MATH CO** 60 (3), 945-953	2.167
	14	Omega polynomial in twisted ((4,8)3)R tori Diudea, M.V. 2008 **MATCH-COMMUN MATH CO** 60 (3), 935-944	2.167
	15	Calculating the degree distance of partial Hamming graphs Ilić, A., Klavžar, S., Stevanović, D. 2010 **MATCH-COMMUN MATH CO** 63 (2), 411-424	2.167

	16	Composition rules for omega polynomial in nano-dendrimers Diudea, M.V. 2010 **MATCH-COMMUN MATH CO** 63 (1), 247-256	2.167
	17	Some inequalities for szeged-like topological indices of graphs Fath-Tabar, G.H., Nadjafi-Arani, M.J., Mogharrab, M., Ashrafit, A.R. 2010 **MATCH-COMMUN MATH CO** 63 (1), 145-150	2.167
	18	The polyphenyl chains with extremal edge-wiener indices Dou, Y., Bian, H., Gao, H., Yu, H. 2010 **MATCH-COMMUN MATH CO** 64 (3), 757-766	2.167
	19	Counting polynomials and related indices by edge cutting procedures Diudea, M.V. 2010 **MATCH-COMMUN MATH CO** 64 (3), 569-590	2.167
	20	Extremal graphs with respect to the Zagreb coindices Ashrafi, A.R., Došlič, T., Hamzeh, A. 2011 **MATCH-COMMUN MATH CO** 65 (1), 85-92	2.167
	21	Computing the Cluj index of a type dendrimer nanostars Iranmanesh, A., Dorosti, N. 2011 **MATCH-COMMUN MATH CO** 65 (1), 209-219	2.167
	22	Some bounds on GA1 index of graphs Mogharrab, M., Fath-Tabar, G.H. 2011 **MATCH-COMMUN MATH CO** 65 (1), 33-38	2.167
	23	Omega and related polynomials in crystal-like structures Diudea, M.V., Vizitiu, A.E., Cigher, S. 2011 **MATCH-COMMUN MATH CO** 65 (1), 131-142	2.167
	24	The maximal gutman index of bicyclic graphs Feng, L., Liu, W. 2011 **MATCH-COMMUN MATH CO** 66 (2), 699-708	2.167
	25	Hyper-detour index of unicyclic graphs Qi, X., Zhou, B. 2011 **MATCH-COMMUN MATH CO** 66 (1), pp. 329-342	2.167
	26	Omega polynomial and its use in nanostructure description Diudea, M.V., Cigher, S., Vizitiu, A.E., Florescu, M.S., John, P.E. 2009 **J MATH CHEM** 45 (2), 316-329	1.214
	27	Omega polynomial in twisted/chiral polyhex tori Diudea, M.V. 2009 **J MATH CHEM** 45 (2), 309-315	1.214
	28	New method of finding the analytical solutions directly on the base on the reaction mechanism Socol, M., Bâldea, I. 2009 **J MATH CHEM** 45 (2), 478-487	1.214
	29	Cluj polynomials Diudea, M.V. 2009 **J MATH CHEM** 45 (2), 295-308	1.214
	30	Omega polynomial and its use in nanostructure description Diudea, M.V., Cigher, S., Vizitiu, A.E., Florescu, M.S., John, P.E. 2009 **J MATH CHEM** 45 (2), 316-329	1.214
	31	Wiener, hyper-Wiener, detour and hyper-detour indices of bridge and chain graphs Mansour, T., Schork, M. 2009 **J MATH CHEM** 47 (1), 72-98	1.214
	32	Valence connectivity versus Randić, Zagreb and modified Zagreb index: A linear algorithm to check discriminative properties of indices in acyclic molecular graphs Vukičević, D., Graovac, A. 2004 **CROAT CHEM ACTA** 77 (3), 501-508	0.815
	33	Which valence connectivities realize monocyclic molecules: Generating algorithm and its application to test discriminative properties of the Zagreb and modified Zagreb indices Vukičević, D., Graovac, A. 2004 **CROAT CHEM ACTA** 77 (3), 481-490	0.815
	34	Leapfrog and Related Operations on Toroidal Fullerenes Diudea, M.V., John, P.E., Graovac, A., Primorac, M., Pisanski, T. 2003 **CROAT CHEM ACTA** 76 (2), 153-159	0.815
	35	Omega polynomial in tubular nanostructures Diudea, M.V., Cigher, S., Vizitiu, A.E., Ursu, O., John, P.E. 2006 **CROAT CHEM ACTA** Acta 79 (3), 445-448	0.815
	36	Cluj CJ and PIv polynomials Diudea, M.V., Ilić, A., Ghorbani, M., Ashrafi, A.R. 2010 **CROAT CHEM ACTA** 83 (3), 283-289	0.815
	37	Some inequalities for the atom-bond connectivity index of graph operations Fath-Tabar, G.H., Vaez-Zadeh, B., Ashrafi, A.R., Graovac, A. 2011 **DISCRETE APPL MATH** 159 (13), 1323-1330	0.838
	38	Degree distance of unicyclic and bicyclic graphs Ili, A., Stevanovi, D., Feng, L., Yu, G., Dankelmann, P. 2011 **DISCRETE APPL MATH** 159 (8), 779-788	0.838
	39	The Zagreb coindices of graph operations Ashrafi, A.R., Došlić, T., Hamzeh, A. 2010 **DISCRETE APPL MATH** 158 (15), 1571-1578	0.838
	40	The first and second Zagreb indices of some graph operations Khalifeh, M.H., Yousefi-Azari, H., Ashrafi, A.R. 2009 **DISCRETE APPL MATH** 157 (4), 804-811	0.838
	41	Unicyclic and bicyclic graphs having minimum degree distance Ioan Tomescu, A. 2008 **DISCRETE APPL MATH** 156 (1), 125-130	0.838
	42	Shell-polynomials and Cluj-Tehran index in tori T(4,4)S[5,n] Diudea, M.V., Ashrafi, A.R. 2010 **ACTA CHIM SLOV** 57 (3), 559-564	0.912

	43	Counting polynomials in tori T(4,4)S[c,n] Diudea, M.V. 2010 **ACTA CHIM SLOV** 57 (3), 551-558	0.912
	44	Omega polynomial revisited Diudea, M.V., Klavžar, S. 2010 **ACTA CHIM SLOV** 57 (3), 565-570	0.912
	45	LEL - A newly designed molecular descriptor Stevanović, D., Ilić, A., Onişor, C., Diudea, M.V. 2009 **ACTA CHIM SLOV** 56 (2), 410-417	0.912
	46	On the extremal graphs with respect to the vertex PI index Ilić, A. 2010 **APPL MATH LETT** 23 (10), 1213-1217	0.744
	47	Extremal graphs with respect to the vertex PI index Nadjafi-Arani, M.J., Fath-Tabar, G.H., Ashrafi, A.R. 2009 **APPL MATH LETT** 22 (12), 1838-1840	0.744
	48	Y-Wiener index of composite graphs Hamzeh, A., Hossein-Zadeh, S., Ashrafi, A.R. 2011 **APPL MATH LETT** 24 (7), 1099-1104	0.744
	49	Entropy bounds for hierarchical molecular networks Dehmer, M., Borgert, S., Emmert-Streib, F. 2008 **PLoS ONE** 3 (8), art. no. e3079	3.715
	50	New polynomial-based molecular descriptors with low degeneracy Dehmer, M., Mueller, L.A.J., Graber, A. 2010 **PLoS ONE** 5 (7), art. no. e11393	3.715
	51	A large scale analysis of information-theoretic network complexity measures using chemical structures Dehmer, M., Barbarini, N., Varmuza, K., Graber, A. 2009 **PLoS ONE** 4 (12), art. no. e8057	3.715
	52	Coulson function and Hosoya index Gutman, I., Vidović, D., Furtula, B. 2002 **CHEM PHYS LETT** 355 (3-4), 378-382	1.336
	53	Coulson function and Hosoya index Gutman, I., Vidović, D., Furtula, B. 2002 **CHEM PHYS LETT** 355 (3-4), 378-382	1.336
	54	On entropy-based molecular descriptors: Statistical analysis of real and synthetic chemical structures Dehmer, M., Varmuza, K., Borgert, S., Emmert-Streib, F. 2009 **J CHEM INF MODEL** 49 (7), 1655-1663	2.337
	55	Cluj and related polynomials applied in correlating studies Diudea, M.V., Vizitiu, A.E., Janežič, D. 2007 **J CHEM INF MODEL** 47 (3), 864-874	2.337
	56	The PI index of polyomino chains of 4k-cycles Mansour, T., Schork, M. 2010 **ACTA APPL MATH** 109 (3), 671-681	0.673
	57	Wiener index of hexagonal systems Dobrynin, A.A., Gutman, I., Klavžar, S., Žigert, P. 2002 **ACTA APPL MATH** 72 (3), 247-294	0.673
	58	Properties of connected graphs having minimum degree distance Tomescu, I. 2009 **DISCRETE MATH** 309 (9), 2745-2748	0.715
	59	Another aspect of graph invariants depending on the path metric and an application in nanoscience Khalifeh, M.H., Yousefi-Azari, H., Ashrafi, A.R. 2010 **COMPUT MATH APPL** 60 (8), 2460-2468	1.078
	60	On the Szeged and the Laplacian Szeged spectrum of a graph Fath-Tabar, G.H., Došlić, T., Ashrafi, A.R. 2010 **LINEAR ALGEBRA APPL** 433 (3), 662-671	0.983
	61	Novel topological descriptors for analyzing biological networks Dehmer, M.M., Barbarini, N.N., Varmuza, K.K., Graber, A.A. 2010 **BMC STRUCT BIOL** 10, art. no. 18	1.342
	62	A numerical method for computing pl index of fullerene molecules containing carbon atoms Sabaghian-Bidgoli, H., Ashrafi, A.R. 2009 **J COMPUT THEOR NANOS** 6 (7), 1706-1708	0.824
	63	Some new results on distance-based graph invariants Khalifeh, M.H., Yousefi-Azari, H., Ashrafi, A.R., Wagner, S.G. 2009 **EUR J COMBIN** 30 (5), 1149-1163	1.234
	64	A simple model for the calculation of HOMO and LUMO energy levels of benzocatafusenes Adelio R. Matamala, Alejandro A. Alarcón, **INT J QUANTUM CHEM** DOI: 10.1002/qua.23135	0.744
	65	Information-theoretic concepts for the analysis of complex networks Dehmer, M. 2008 **APPL ARTIF INTELL** 22 (7-8), 684-706	0.537
	66	Information processing in complex networks: Graph entropy and information functionals Dehmer, M. 2008 **APPL MATH COMPUT** 201 (1-2), 82-94	0.603
	67	Comparative QSAR study on para-substituted aromatic sulphonamides as CAII inhibitors: Information versus topological (distance-based and connectivity) indices Singh, J., Shaik, B., Singh, S., Agrawal, V.K., Khadikar, P.V., Deeb, O., Supuran, C.T. 2008 **CHEM BIOL DRUG DES** 71 (3), 244-259	0.800

	68	QSAR studies on benzene sulfonamide carbonic anhydrase inhibitors: Need of hydrophobic parameter for topological modeling of binding constants of sulfonamides to human CA-II Khadikar, P.V., Sharma, V., Karmarkar, S., Supuran, C.T. 2005 **BIOORG MED CHEM LETT** 15 (4), 923-930	1.462
	69	Toroidal graphenes from 4-valent tori Diudea, M.V. 2002 **B CHEM SOC JPN** 75 (3), 487-492	1.375
	70	Network analysis using a novel highly discriminating topological index Diudea MV, Ilić A, Varmuza K, Dehmer M. 2011. **COMPLEXITY** 16(6), 32-39	0.970
	71	Networks for systems biology: Conceptual connection of data and function Emmert-Streib, F., Dehmer, M. 2011. **IET SYST BIOL** 5 (3), 185-207	0.702
	72	Structural Measures for Network Biology Using QuACN Laurin AJ Mueller, Karl G Kugler, Armin Graber, Frank Emmert-Streib, Matthias Dehmer 2011. **BMC Bioinformatics** 12:492	2.371
3	**Jantschi L., Bolboaca S.D., Diudea M.V. Chromatographic retention times of polychlorinated biphenyls: From structural information to property characterization (2007) International Journal of Molecular Sciences, 8 (11), 1125-1157.**		
	73	QSRR-based evaluating and predicting of the relative retention time of polychlorinated biphenyl congeners on 18 different high resolution GC columns Ghavami, R., Sadeghi, F. 2009 **CHROMATOGRAPHIA** 70 (5-6), 851-868	0.584
	74	Semi-empirical topological method for prediction of the relative retention time of polychlorinated biphenyl congeners on 18 different HR GC columns Ghavami, R., Mohammad Sajadi, S. 2010 **CHROMATOGRAPHIA** 72 (5-6), 523-533	0.584
	75	Diffusion coefficients of polychlorinated biphenyls and polycyclic aromatic hydrocarbons in polydimethylsiloxane and low-density polyethylene polymers Rusina, T.P., Smedes, F., Klanova, J. 2010 **J APPL POLYM SCI** 116 (3), 1803-1810	1.000
	76	Cross-column prediction of gas-chromatographic retention of polychlorinated biphenyls by artificial neural networks Angelo Antonio D'Archivio, Angela Incani, Fabrizio Ruggieri. 2011 **J CHROMATOGR A** 1218(48), 8679-8690	1.760
	77	Retention modelling of polychlorinated biphenyls in comprehensive two-dimensional gas chromatography D'Archivio, A.A., Incani, A., Ruggieri, F. 2011 **ANAL BIOANAL CHEM** 399 (2), 903-913	1.954
4	**Modeling Molecular Properties by Cluj Indices Jäntschi, L., Katona, G., Diudea, M.V. 2000 Match 41, 151-188**		
	78	Generation and graph-theoretical properties of C4-TORI Diudea, M.V., Graovac, A. 2001 **MATCH-COMMUN MATH CO** 44, 93-102	2.167
	79	MOLGEN-COMB, a Software Package for Combinatorial Chemistry Gugisch, R., Kerber, A., Laue, R., Meringer, M., Weidinger, J. 2000 **MATCH-COMMUN MATH CO** 41, 189-203	2.167
	80	Cluj CJ and PIv polynomials Diudea, M.V., Ilić, A., Ghorbani, M., Ashrafi, A.R. 2010 **CROAT CHEM ACTA** 83 (3), 283-289	0.815
	81	Cluj polynomials Diudea, M.V. 2009 **J MATH CHEM** 45 (2), 295-308	1.214
5	**Bolboaca S.D., Jantschi L. Design of experiments: Useful orthogonal arrays for number of experiments from 4 to 16 (2007) Entropy, 9 (4), 198-232.**		
	82	Determining optimum conditions for lipase-catalyzed synthesis of triethanolamine (TEA)-based esterquat cationic surfactant by a Taguchi robust design method Masoumi, H.R.F., Kassim, A., Basri, M., Abdullah, D.K. 2011 **MOLECULES** 16 (6), 4672-4680	0.824
	83	Quantitative analysis of temperature, salinity and pH on WSSV proliferation in Chinese shrimp Fenneropenaeus chinensis by real-time PCR Gao, H., Kong, J., Li, Z., Xiao, G., Meng, X. 2011 **AQUACULTURE** 312 (1-4), 26-31	1.179
	84	Intrinsic reaction kinetics of higher alcohol synthesis from synthesis gas over a sulfided alkali-promoted Co-Rh-Mo trimetallic catalyst supported on multiwalled carbon nanotubes (MWCNTs) Surisetty, V.R., Dalai, A.K., Kozinski, J. 2010 **ENERG FUEL** 24 (8), 4130-4137	1.975
6	**Bolboaca S.D., Jantschi L. How good can the characteristic polynomial be for correlations? (2007) International Journal of Molecular Sciences, 8 (4), 335-345.**		
	85	Theoretical and quantitative structural relationships of the electrochemical and electron transfer properties of [Mx@C82]@[SWCNT(5,5)-armchair-CnH20] (x = 0, 1; for x = 1: M = Ce & Gd and n = 20-300) nanostructure complexes Taherpour, A.A. 2009 **CHEM PHYS LETT** 483 (4-6), 233-240	1.336
	86	Quantitative structural relationship and theoretical study of electrochemical properties of	1.336

		C60@[SWCN(5, 5)-Armchair-CnH20] complexes Taherpour, A.A. 2009 **CHEM PHYS LETT** 469 (1-3), 135-139	
	87	Theoretical and quantitative structural relationship study of the electrochemical properties of [M2@Cx@[SWCNT(5,5)-Armchair- CnH20] (M = Er and Sc, x = 82 and 84, and n = 20-300) Complexes Taherpour, A.A. 2009 **J PHYS CHEM C** 113 (14), 5402-5408	2.983
7	**Balan M.C., Damian M., Jantschi L. Preliminary results on design and implementation of a solar radiation monitoring system (2008) Sensors, 8 (2), 963-978.**		
	88	A New and Inexpensive Pyranometer for the Visible Spectral Range Martínez M.A., Andújar J.M., Enrique J.M. 2009 **SENSORS-BASEL** 9(6), 4615-4634	1.149
	89	A new automatic system for angular measurement and calibration in radiometric instruments Marquez, J.M.A., Bohórquez, M.Á.M., Garcia, J.M., Nieto, F.J.A. 2010 **SENSORS-BASEL** 10 (4), 3703-3717	1.149
	90	A low cost concept for data acquisition systems applied to decentralized renewable energy plants Jucá, S.C.S., Carvalho, P.C.M., Brito, F.T. 2011 **SENSORS-BASEL** 11 (1), 743-756	1.149
8	**Binomial distribution sample confidence intervals estimation for positive and negative likelihood ratio medical key parameters. Bolboacă, S., Jäntschi, L. 2005 AMIA Annual Symposium proceedings / AMIA Symposium. AMIA Symposium, 66-70**		
	91	Clinical probability assessment and D-dimer determination in patients with suspected deep vein thrombosis, a prospective multicenter management study Elf, J.L., Strandberg, K., Nilsson, C., Svensson, P.J. 2009 **THROMB RES** 123 (4), 612-616	1.021
	92	Likelihood ratio for Crohn's disease as a function of anti-Saccharomyces cerevisiae antibody concentration Vermeulen, N., Vermeire, S., Rutgeerts, P., Bossuyt, X. 2010 **INFLAMM BOWEL DIS** 16 (1), 5-6	1.660
	93	Contrast-enhanced MRA of the renal and aorto-iliac-femoral arteries: Comparison of gadobenate dimeglumine and gadofosveset trisodium Iezzi, R., Soulez, G., Thurnher, S., Schneider, G., Kirchin, M.A., Shen, N., Pirovano, G., Spinazzi, A. 2011 **EUR J RADIOL** 77 (2), 358-368	1.391
9	**Cimpoiu C., Jantschi L., Hodisan T. A new mathematical model for the optimization of the mobile phase composition in HPTLC and the comparison with other models (1999) Journal of Liquid Chromatography and Related Technologies, 22 (10), 1429-1441**		
	94	Automated potentiometric titration method for determination of p K values: An application to benzodiazepines Bayes, G.S., Narasimham, Y.S.L., Raut, S.S., Patil, V.R., Lokhande, R.S. 2011 **J CHEM ENG DATA** 56 (5), 1787-1792	1.526
	95	Separation of N-alkyl phenothiazine sulfones by HPTLC using an optimum mobile phase Cimpoiu, C., Hodisan, S., Toa, M., Paizs, C., Majdik, C., Irimie, F.-D. 2002 **J PHARMACEUT BIOMED** 28 (2), 385-389	1.238
	96	Planar chromatography Sherma, J. 2000 **ANAL CHEM** 72 (12), 9R-25R	3.093
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	97	A learning model for the automated assessment of hand-drawn images for visuo-spatial neglect rehabilitation Liang, Y., Fairhurst, M.C., Guest, R.M., Potter, J.M. 2010 **IEEE T NEUR SYS REH** 18 (5), art. no. 5446353, 560-570	1.566
	98	Exploration of correlations between factors influencing communication in complex product development Maier, A.M., Kreimeyer, M., Hepperle, C., Eckert, C.M., Lindemann, U., Clarkson, J.P. 2008 **CONCURRENT ENG-RES A** 16 (1), 37-59	0.642
	99	Correlation of community dynamics and process parameters as a tool for the prediction of the stability of wastewater treatment Susanne Günther, Christin Koch, Thomas Hübschmann, Isolde Röske, Roland Arnold Müller, Thomas Bley, Hauke Harms, and Susann Müller. 2011 **ENVIRON SCI TECHNOL** DOI: 10.1021/es2010682	3.039
11	**Modelling the property of compounds from structure: Statistical methods for models validation Bolboacă, S.-D., Jäntschi, L. 2008 Environmental Chemistry Letters 6 (3), 175-181**		
	100	Application of the Similarity Parameter (λ) to Prediction of the Joint Effects of Nonequitoxic Mixtures Dayong Tian, Zhifen Lin, JianQing Ding, Daqiang Yin and Yalei Zhang, **ARCH ENVIRON CON TOX**, DOI: 10.1007/s00244-011-9695-6	0.915
	101	Atomic charges of individual reactive chemicals in binary mixtures determine their joint effects: An example of cyanogenic toxicants and Aldehydes, Dayong Tian, Zhifen Lin,	1.362

		Daqiang Yin, Yalei Zhang, and Deyang Kong, 2012 **ENVIRON TOXICOL CHEM**, 31(2), 270-278	
	102	Linear solvation energy relationship (LSER) analysis of liquid-liquid distribution constants of 8-hydroxyquinoline and its derivatives Robak, W., Apostoluk, W., Ochromowicz, K. 2011 **J CHEM ENG DATA** 56 (11), 3971-3983	1.526
12	**Results from the use of molecular descriptors family on structure property/activity relationships Jäntschi, L., Bolboacă, S.-D. 2007 International Journal of Molecular Sciences 8 (3), 189-203**		
	103	QSPR studies on normal boiling points and molar refractivities of organic compounds by correlation-ranking-based PCR and PC-ANN analyses of new topological indices Ghavami, R., Najafi, A., Hemmateenejad, B. 2009 **CAN J CHEM** 87 (11), 1593-1604	1.029
	104	Improved superaugmented eccentric connectivity indices for QSAR/QSPR part I: Development and evaluation Dutt, R., Madan, A.K. 2010 **MED CHEM RES** 19 (5), 431-447	0.543
13	**Analysis of soil heavy metal pollution and pattern in central Transylvania Suciu, I., Cosma, C., Todică, M., Bolboacă, S.D., Jäntschi, L. 2008 International Journal of Molecular Sciences 9 (4), 434-453**		
	105	Characterisation of soil quality and mobility of Cd, Cu, Pb and Zn in the baia mare area Northwest Romania following the historical pollution Levei, E., Frentiu, T., Ponta, M., Senila, M., Miclean, M., Roman, C., Cordos, E., Cordos, E. 2009 **INT J ENVIRON AN CH** 89 (8-12), 635-649	0.543
	106	Assessing how heavy metal pollution and human activity are related by using logistic regression and kriging methods Lin, Y.-P., Cheng, B.-Y., Chu, H.-J., Chang, T.-K., Yu, H.-L. 2011 **GEODERMA** 163 (3-4), 275-282	1.797

N_C=	13 ($\leq 20=N_{ref}$)	C_{med}=	**5.3**

Pentru verificarea îndeplinirii standardului P:

N. Pub.	Ref. Pub.	RIS	p_i	RIS/p_i
1	Title: Results from the use of molecular descriptors family on structure property/activity relationships Author(s): Jantschi L, Bolboaca SD* Source: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES Volume: 8 Issue: 3 Pages: 189-203 Published: MAR 2007	1.572 1.608	1	1.572
2	Title: Chromatographic retention times of polychlorinated biphenyls: from structural information to property characterization Author(s): Jantschi L, Bolboaca SD*, Diudea MV Source: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES Volume: 8 Issue: 11 Pages: 1125-1157 Published: NOV 2007	1.572 1.608	1	1.572
3	Title: Predictivity Approach for Quantitative Structure-Property Models. Application for Blood-Brain Barrier Permeation of Diverse Drug-Like Compounds Author(s): Bolboaca Sorana D.; Jaentschi Lorentz* Source: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES Volume: 12 Issue: 7 Pages: 4348-4364 Published: JUL 2011	1.572 1.608	1	1.572
4	Title: Modeling molecular properties by Cluj indices Author(s): Jantschi L*, Katona G, Diudea MV Source: MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY Issue: 41 Pages: 151-188 Published: MAR 2000	2.167 2.207	1	2.167
5	Title: Modeling the octanol-water partition coefficient of substituted phenols by the use of structure information Author(s): Jantschi L, Bolboaca SD* Conference Information: 3rd Humboldt Conference on Computational Chemistry, JUN 24-28, 2006 Varna, BULGARIA Source: INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY Volume: 107 Issue: 8 Pages: 1736-1744 Published: JUL 2007	0.744 0.711	1	0.744
6	Title: A structural modelling study on marine sediments toxicity	1.824	1	1.824

	Author(s): Jantschi L, Bolboaca SD* Source: MARINE DRUGS Volume: 6 Issue: 2 Pages: 372-388 Published: JUN 2008	1.824		
7	Title: Subgraphs of pair vertices Author(s): Jantschi L*, Diudea M Conference Information: Conference on 20 Years of Molecular Topology in Cluj, SEP 25-30, 2006 Cluj Napoca, ROMANIA Source: JOURNAL OF MATHEMATICAL CHEMISTRY Volume: 45 Issue: 2 Pages: 364-371 Published: FEB 2009	1.214 1.231	1	1.214
8	Title: Toxicity caused by para-substituted phenols on Tetrahymena pyriformis: The structure-activity relationships Author(s): Jantschi L, Popescu V, Bolboaca SD* Source: ELECTRONIC JOURNAL OF BIOTECHNOLOGY Volume: 11 Issue: 3 Article Number: 9 Published: JUL 15 2008	0.553 0.556	1	0.553
9	Title: Characteristic and counting polynomials: modelling nonane isomers properties Author(s): Jantschi L, Bolboac SD*, Furdui CM Source: MOLECULAR SIMULATION Volume: 35 Issue: 3 Pages: 220-227 Published: 2009	0.734 0.702	1	0.734
10	Title: Meta-heuristics on quantitative structure-activity relationships: study on polychlorinated biphenyls Author(s): Jantschi L*, Bolboaca SD, Sestras RE Source: JOURNAL OF MOLECULAR MODELING Volume: 16 Issue: 2 Pages: 377-386 Published: FEB 2010	1.812 1.847	1	1.812
11	Title: A Study of Genetic Algorithm Evolution on the Lipophilicity of Polychlorinated Biphenyls Author(s): Jantschi L, Bolboaca SD*, Sestras RE Source: CHEMISTRY & BIODIVERSITY Volume: 7 Issue: 8 Pages: 1978-1989 Published: 2010	1.334 1.362	1	1.334
12	Title: Exact Probabilities and Confidence Limits for Binomial Samples: Applied to the Difference between Two Proportions Author(s): Jantschi L, Bolboaca SD* Source: THESCIENTIFICWORLDJOURNAL Volume: 10 Pages: 865-878 Published: 2010	0.621 0.630	1	0.621
Total:			P=	**15.719**

Notă (JCR Decembrie):

Lucrare	Jäntschi Lorentz - autor	DOCUMENT TYPE:	JCR2011December
1	Prim autor	Article	1.608
2	Prim autor	Article	1.608
3	Autor corespondent	Article	1.608
4	Prim autor & Autor corespondent	Article	2.207
5	Prim autor	Conference Paper	0.711
6	Prim autor	Article	1.824
7	Prim autor & Autor corespondent	Conference Paper	1.231
8	Prim autor	Article	0.556
9	Prim autor	Article	0.702
10	Prim autor & Autor corespondent	Article	1.847
11	Prim autor	Article	1.362
12	Prim autor	Article	0.630
Σ			**15.894**

Centralizator verificare criterii:

Nr.	Domeniu	Criteriu1	Criteriu2	Criteriu3	%C1	%C2	%C3	MG(%)	Îndeplinire
2	**Chimie**	**S_{med}=.534**	**C_{med}=5.3**	**P=15.7**	**134**	**106**	**131**	**123**	**DA**
3	Matematică	I=11.2	I_{recent}=10.5	C=19	224	420	158	246	DA
4	Informatică	I=11.5	S_{med}=3.16	-	230	451	-	322	DA