

Fișă de verificare a condițiilor de abilitareVerificarea îndeplinirii standardului S_{med}

Nr. crt.	Referință bibliografică	S_i	n_i	s_i/n_i
1	A. Cecal, K. Popa , C.L. Drăghici, "Study of the corrosion reactions by means of a radiochemical method", <i>Radiochim. Acta</i> 93(2) (2005), 115-117	1,162	3	0,387
2	K. Popa , R.J.M. Konings, "High temperature heat capacities of EuPO_4 and SmPO_4 synthetic monazites", <i>Thermochim. Acta</i> 445(1) (2006), 49-52	1,206	2	0,603
3	T. Geisler, K. Popa , R.J.M. Konings, A.F. Popa, "A Raman spectroscopic study of the phase transition of $\text{BaZr}(\text{PO}_4)_2$: evidence for a trigonal structure of the high-temperature polymorph", <i>J. Solid State Chem.</i> 179(5) (2006), 1489-1495	1,665	4	0,416
4	K. Popa , F. Jutier, F. Wastin, R.J.M. Konings, "The heat capacity of NdPO_4 ", <i>J. Chem. Thermodynamics</i> 38(11) (2006), 1306-1311	1,336	4	0,334
5	K. Popa , D. Sedmidubský, O. Beneš, C. Thiriet, R.J.M. Konings, "The high temperature heat capacity of LnPO_4 ($\text{Ln} = \text{La}, \text{Ce}, \text{Gd}$) by drop calorimetry", <i>J. Chem. Thermodynamics</i> 38(7) (2006), 825-829	1,336	5	0,267
6	K. Popa , R.J.M. Konings, T. Geisler, "High temperature calorimetry of $(\text{La}_{1-x}\text{Ln}_x)\text{PO}_4$ solid solutions", <i>J. Chem. Thermodynamics</i> 39(2) (2007), 236-239	1,336	3	0,445
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9	R.J.M. Konings, K. Popa , E. Colineau, F. Wastin, "The low-temperature heat capacity of CaUO_4 and SrUO_4 ", <i>J. Chem. Thermodynamics</i> 40(2) (2008), 220-224	1,336	4	0,334
10	R. Jardin, C.C. Pavel, P.E. Raison, D. Bouëxière, H. Santa-Cruz, R.J.M. Konings, K. Popa , "The high temperature behaviour of PuPO_4 monazite and of some other related compounds", <i>J. Nucl. Mater.</i> 378 (2008), 167-171	2.430	7	0,347
11	C.C. Pavel, M. Walter, K. Popa , "The improvement of retention capacity of ETS-10 towards uranyl ions by porosity modification and their immobilization into a titanosilicate matrix", <i>J. Mater. Chem.</i> 18(27) (2008), 3342-3346	3,415	3	1.138
12	R.J.M. Konings, M. Walter, K. Popa , "The excess properties of the $\text{Ln}_{2-2x}\text{Ca}_x\text{Th}_x(\text{PO}_4)_2$ ($\text{Ln} = \text{La}, \text{Ce}$) solid solutions", <i>J. Chem. Thermodynamics</i> 40(8) (2008), 1305-1308	1,336	3	0,445
13	P.E. Raison, C.C. Pavel, R. Jardin, E. Suard, R. Haire, K. Popa , "Thermal expansion measurements of $\text{Ce}_2\text{Zr}_2\text{O}_7$ up to 898 K in conjunction with structural analysis by neutron diffraction", <i>Phys. Chem. Minerals</i> 37(8)	1,838	6	0.306

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14	S. Surblé, S. Heatman, P. Raison, D. Bouëxière, K. Popa , R. Caciuffo, "Pressure-induced structural transition in lanthanoide zirconate pyrochlores", <i>Phys. Chem. Minerals</i> 37(10) (2010), 761-767	1,838	6	0.306
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16	F. Tudorache, K. Popa , L. Mitoşeru, N. Lupu, D. Bregiroux, G. Wallez, "Dielectric investigations of $M^{II}M^{IV}(PO_4)_2$ double orthophosphates (M^{II} = Ca, Sr, Ba, Pb; M^{IV} = Ti, Zr, Hf, Ge, Sn)", <i>J. Alloys Compd.</i> 37 (2011) 9127-9132	2,803	6	0.467
17	O. Beneš, K. Popa , V. Reuscher, A. Zappia, D. Staicu, R.J.M. Konings, "High temperature heat capacity of PuPO ₄ monazite-analogue", <i>J. Nucl. Mater.</i> 418 (2011), 182-185	2.430	6	0.405
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19	K. Popa , G. Wallez, D. Bregiroux, P. Loiseau, " $M^{II}Ge(PO_4)_2$ (M^{II} = Ca, Sr, Ba): crystal structure, thermal expansion and phase transition", <i>J. Solid State Chem.</i> 184 (2011) 2629-2634	1,665	4	0,416
20	K. Popa , C.C. Pavel, "Radioactive wastewaters purification using titanosilicates materials: state of the art and perspectives", <i>Desalination</i> 193 (2012) 78-86	1,273	2	0.636
Total:				8.959
N_s=		20	S_{med}=	0,447

Verificarea îndeplinirii standardului C_{med}

Nr. crt.	Referința bibliografică a publicației k ce citează	S _k
A. Cecal, M. Goanță, M.N. Palamaru, T. Stoicescu, K. Popa , A.O. Paraschivescu, V. Anița, "Utilization of some oxides in water's radiolytical decomposition", <i>Radiat. Phys. Chem.</i> 62(4) (2001), 333-336		
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2	P. Rotureau, J.P. Renault, B. Lebeau, J. Patarin, J.-C. Mialocq, "Radiolysis of confined water: molecular hydrogen formation", <i>Phys. Chem. Chem. Phys.</i> 6 (2005) 1316-1323	2,228
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	Yenisei River (<i>Elodea canadensis</i>)", <i>J. Environm. Radioactivity</i> 81 (2005) 33-46	
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13	M. Liu, F. Dong, X. Yan, W. Zeng, L. Hou, X. Pang, "Biosorption of uranium by <i>Saccharomyces cerevisiae</i> and surface interactions under culture conditions", <i>Biores. Technol.</i> 101 (2010) 8573-8580	2,273
14	M.A. Hubbe, S.H. Hasan, J.J. Ducoste, "Cellulosic substrates for removal of pollutants from aqueous systems: A review. 1. Metals", <i>BioResources</i> 6 (2011) 1-201	1,322
15	Z. Yi, J. Yaoi, "Kinetic and equilibrium study of uranium(VI) adsorption on <i>Bacillus licheniformis</i> ", <i>J. Radioanal. Nucl. Chem.</i> 293 (2012) 907-914	0,535
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17	J.H. Choi, S.D. Kim, S.H. Noh, S.J. Oh, W.J. Kim, "Adsorption behaviors of nano-sized ETS-10 and Al-substituted-ETAS-10 in removing heavy metal ions, Pb ²⁺ and Cd ²⁺ ", <i>Micropor. Mesopor. Mater.</i> 87 (2006) 163-169	2,448
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	the hydrated and dehydrated forms of the ion-exchanged microporous stannosilicate MS-2", <i>Micropor. Mesopor. Mater.</i> 117 (2009) 414-422	
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33	S. Zhang, Z. Guo, J. Xu, H. Niu, Z. Chen, J. Xu, "Effect of environmental conditions on the sorption of radiocobalt from aqueous solution to treated eggshell as biosorbent", <i>J. Radioanal. Nucl. Chem.</i> , 288 (2011) 121-130	0,535
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N_c = 20		C_{med} = 5,50

Verificarea îndeplinirii standardului P:

Nr. crt.	Referință bibliografică	S _i	p _i	S _i /p _i
1	K. Popa , R.J.M. Konings, P. Boulet, D. Bouëxière, A.F. Popa, "The high temperature behaviour of barium zirconium diorthophosphate", <i>Thermochim. Acta</i> 436(1-2) (2005), 51-55	1,206	2	0,603
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Total:			P=	17,345