

Lista a 10 lucrări reprezentative pentru domeniul tezei de abilitare

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Nr. Crt.	Autor/Articol/Revista	FI (2020)
1	E. Robles, N. Izaguirre, B.-I. Dogaru, C.-M. Popescu , I. Barandiaran, J. Labidi, Sonochemical production of nanoscaled crystalline cellulose using organic acids, <i>Green Chemistry</i> , 22(14), 4627-4639 (2020)	9.480
2	C.-M. Popescu , P.T. Larsson, N. Olaru, C. Vasile, Spectroscopic study of acetylated kraft pulp fibers, <i>Carbohyd. Polym.</i> 88(2), 530-536 (2012)	7.182
3	C.-M. Popescu , D. Jones, J. Schalnat, K. Segerholm, M. Henriksson, M. Westin, Structural characterization and mechanical properties of wet-processed fibreboard based on chemo-thermomechanical pulp, furanic resin and cellulose nanocrystals, <i>Int. J. Biol. Macromol.</i> 145, 586-593 (2020)	5.162
4	D. Sun, A.J. Onyianta, D. O'Rourke, G. Perrin, C.-M. Popescu , L.H. Saw, Z. Cai, M. Dorris, A process for deriving high quality cellulose nanofibrils from water hyacinth invasive species, <i>Cellulose</i> 27, 3727-3740 (2020)	4.210
5	C.-M. Popescu , C.A.S. Hill, R. Anthony, G. Ormondroyd, S. Curling, Dynamic vapour water sorption properties of biochar derived from apple wood: The relationship between the water sorption properties, charring time and wood structure, <i>Polym. Degrad. Stab.</i> 111, 263-268 (2015)	4.032
6	C.-M. Popescu , D.E. Demco, M. Möller, Solid state ¹³ C CP/MAS NMR spectroscopy assessment of historic lime wood, <i>Polym. Degrad. Stab.</i> 98(12), 2730-2734 (2013)	4.032
7	C.-M. Popescu , C.A.S. Hill, The water vapour adsorption-desorption behaviour of naturally aged <i>Tilia cordata</i> Mill. wood, <i>Polym. Degrad. Stab.</i> 98(9), 1804-1813 (2013)	4.032
8	C.-M. Popescu , C. Hill, S. Curling, G. Ormondroyd, Y. Xie, The water vapour sorption behaviour of acetylated birch wood: how acetylation affects the sorption isotherm and accessible hydroxyl content, <i>J. Mater. Sci.</i> 49(5), 2362-2371 (2014)	3.553
9	C.-M. Popescu , P. Navi, M.I. Placencia Peña, M.-C. Popescu, Evaluation of the structural changes occurring in wood during hydro-thermal and thermal treatment using NIR spectroscopy and principal component analysis, <i>Spectrochim Acta A: Molec. Biomolec. Spectrosc.</i> 191, 405-412 (2018)	3.232
10	C.-M. Popescu , B.C. Simionescu, Structural study of photodegraded acrylic-coated lime wood using Fourier transform infrared and two-dimensional infrared correlation spectroscopy, <i>Appl. Spectrosc.</i> 67(6), 606-613 (2013)	2.087

05.10.2020

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