

Ohlasy / Citations, reviews

Department: SAVPOLYM - Ústav polymérov SAV
Date of citation, review: 2011~2014

Citations, reviews

Citations in Web of Science Core Collection (1.1, 2.1)	5372
Citations in SCOPUS (1.2, 2.2)	715
Citations in other citation indexes and databases (not listed above) (3.2, 4.2, 9, 10)	0
Other citations (not listed above) (3, 4, 3.1, 4.1)	10
Reviews (5, 6)	0
Count	6097

ABC Chapters in scientific monographs published abroad

ABC01 CHODÁK, Ivan. Polyhydroxyalkanoates : Origin, properties and applications.
In *Monomers, polymers and composites from renewable resources*. - Oxford :
Elsevier, 2008, chapter. 22, P. 451 - 477. ISBN 978-0-08-045316-3.

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[1.1] BITTMANN, B. - BOUZA, R. - BARRAL, L. - DIEZ, J. - RAMIREZ, C. Poly(3-hydroxybutyrate-co-3-hydroxyvalerate)/clay nanocomposites for replacement of mineral oil based materials. In POLYMER COMPOSITES. ISSN 0272-8397, JUL 2013, vol. 34, no. 7, p. 1033-1040., WOS

[1.1] COOPER, T.A. Developments in bioplastic materials for packaging food, beverages and other fast-moving consumer goods. In TRENDS IN PACKAGING OF FOOD, BEVERAGES AND OTHER FAST-MOVING CONSUMER GOODS (FMCG): MARKETS, MATERIALS AND TECHNOLOGIES. ISSN 2042-8049, 2013, no. 244, p. 108-152., WOS

[1.1] CRETOIS, R. - FOLLAIN, N. - DARGENT, E. - SOULESTIN, J. - BOURBIGOT, S. - MARAIS, S. - LEBRUN, L. Microstructure and barrier properties of PHBV/organoclays bionanocomposites. In JOURNAL OF MEMBRANE SCIENCE. ISSN 0376-7388, OCT 1 2014, vol. 467, p. 56-66., WOS

[1.1] MEKONNEN, T. - MUSSONE, P. - KHALIL, H. - BRESSLER, D. Progress in bio-based plastics and plasticizing modifications. In JOURNAL OF MATERIALS CHEMISTRY A. ISSN 2050-7488, 2013, vol. 1, no. 43, p. 13379-13398., WOS

[1.1] OKOS, M.R. The Generic Extrusion Process I: Thermomechanical Plasticating of Polymers and Polymer Melt Forming. In EXTRUSION PROCESSING TECHNOLOGY: FOOD AND NON-FOOD BIOMATERIALS. 2014, p. 125-171., WOS

[1.1] PLACKETT, D. - SIRO, I. Polyhydroxyalkanoates (PHAs) for food packaging. In MULTIFUNCTIONAL AND NANOREINFORCED POLYMERS

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[1.1] ZHANG, D.N. Lightweight Materials from Biofibers and Biopolymers. In *LIGHTWEIGHT MATERIALS FROM BIOPOLYMERS AND BIOFIBERS*. ISSN 0097-6156, 2014, vol. 1175, p. 1-20., WOS

[1.2] BOUVIER, J.M.- CAMPANELLA, O.H. Extrusion Processing Technology: Food and Non-Food Biomaterials. (2014) *Extrusion Processing Technology: Food and Non-Food Biomaterials*, p. 1-518. DOI: 10.1002/9781118541685, Scopus

[1.2] GANDINI, A.- LACERDA, T.M. From monomers to polymers from renewable resources: Recent advances. (2014) *Progress in Polymer Science*, 48, p. 1-39. DOI: 10.1016/j.progpolymsci.2014.11.002, Scopus

ABC02 MOULIK, Satya P. - RAKSHIT, Animesh K. - CAPEK, Ignác. Microemulsions as templates for nanomaterials. Editor Cosima Stubenrauch. In *Microemulsions: background, new concepts, applications, perspectives*. - Oxford : Wiley - Blackwell Publishing, 2009, p. 180 - 210. ISBN 978-1-4051-6782-6.

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[1.2] CHIN, S.F.- AZMAN, A.- PANG, S.C. Size controlled synthesis of starch nanoparticles by a microemulsion method. (2014) *Journal of Nanomaterials*, 2014, art. no. 763736, DOI: 10.1155/2014/763736, Scopus

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ADC01 BARTOŠ, Josef - ANDREOZZI, L. - FAETTI, M. - ŠAUŠA, Ondrej - RAČKO, Dušan - KRIŠTIAK, Jozef. Free volume in poly(propylene glycol) and its relationships to spin probe reorientation. In *Journal of Non-Crystalline Solids*, 2006, vol. 352, no. 42-49, p. 4785-4789. (1.264 - IF2005). (2006 - Current Contents, SCOPUS). ISSN 0022-3093.

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[1.1] CHEN, H.L. - SUN, L. - WARNCKE, K. Heterogeneous Ordered Disordered Structure of the Mesodomain in Frozen Sucrose-Water Solutions Revealed by Multiple Electron Paramagnetic Resonance Spectroscopies. In *LANGMUIR*. ISSN 0743-7463, APR 2 2013, vol. 29, no. 13, p. 4357-4365., WOS

ADC02 BEREK, Dušan - CAPEK, Ignác - MENDICHI, Raniero - LABÁTOVÁ, Stanislava. Liquid chromatography under limiting conditions of enthalpic interactions: Enthalpic partition retention mechanism. In *Macromolecular Chemistry and Physics*. - Weinheim : Wiley-VCH Verlag GmbH & Co. KGaA, vol 207, Iss. 22, S. 2074-2083, 2006. ISSN 1022-1352.

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[1.1] MALIK, Muhammad Imran - PASCH, Harald. Novel developments in the multidimensional characterization of segmented copolymers. In *PROGRESS IN POLYMER SCIENCE*. ISSN 0079-6700, 2014, vol. 39, no. 1, pp. 87-123., WOS

ADCA Scientific papers in foreign journals registered in Current Contents Connect with IF (impacted)

ADCA01 ABU-SHARKH, B. - RYCHLÝ, Jozef - MATISOVÁ - RYCHLÁ, Lýdia. Easy estimation of the progress of artificial wethering of palm fiber-polypropylene

composites by chemiluminescence. In *Journal of Materials Science*, 2005, vol. 40, no. 3, p. 613 - 619. (0.864 - IF2004). (2005 - Current Contents). ISSN 0022-2461.

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[1.1] ZHAI, S.C. - LI, D.G. - PAN, B. - SUGIYAMA, J. - ITOH, T. Tensile strength of windmill palm (*Trachycarpus fortunei*) fiber bundles and its structural implications. In *JOURNAL OF MATERIALS SCIENCE*. ISSN 0022-2461, JAN 2012, vol. 47, no. 2, p. 949-959., WOS

ADCA02 ACHIMSKY, I. - AUDOUIN, L. - VERDU, J. - RYCHLÝ, Jozef - RYCHLÁ, Lýdia. On a transition at 80 C. in polypropylene oxidation kinetics. In *Polymer Degradation and Stability*, 1997, vol. 58, p. 283- 289. (0.653 - IF1996). (1997 - Current Contents). ISSN 0141-3910.

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[1.1] BAJER, K. - BRAUN, U. Different aspects of the accelerated oxidation of polypropylene at increased pressure in an autoclave with regard to temperature, pretreatment and exposure media. In *POLYMER TESTING*. ISSN 0142-9418, AUG 2014, vol. 37, p. 102-111., WOS

[1.1] DIXON, D. - BOYD, A. Degradation and Accelerated Ageing of Poly(Ether Block Amide) Thermoplastic Elastomers. In *POLYMER ENGINEERING AND SCIENCE*. ISSN 0032-3888, NOV 2011, vol. 51, no. 11, SI, p. 2203-2209., WOS

[1.1] FRANCOIS-HEUDE, A. - RICHAUD, E. - DESNOUX, E. - COLIN, X. Influence of temperature, UV-light wavelength and intensity on polypropylene photothermal oxidation. In *POLYMER DEGRADATION AND STABILITY*. ISSN 0141-3910, FEB 2014, vol. 100, p. 10-20., WOS

[1.1] GRABMAYER, K. - WALLNER, G.M. - BEISSMANN, S. - BRAUN, U. - STEFFEN, R. - NITSCHKE, D. - RODER, B. - BUCHBERGER, W. - LANG, R.W. Accelerated aging of polyethylene materials at high oxygen pressure characterized by photoluminescence spectroscopy and established aging characterization methods. In *POLYMER DEGRADATION AND STABILITY*. ISSN 0141-3910, NOV 2014, vol. 109, SI, p. 40-49., WOS

[1.1] QIAN, S.Y. - IGARASHI, T. - NITTA, K. Thermal degradation behavior of polypropylene in the melt state: molecular weight distribution changes and chain scission mechanism. In *POLYMER BULLETIN*. ISSN 0170-0839, NOV 2011, vol. 67, no. 8, p. 1661-1670., WOS

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[1.1] XIANG, K.W. - HUANG, G.S. - ZHENG, J. - WANG, X.A. - HUANG, J.Y. Investigation on the thermal oxidative aging mechanism and lifetime prediction of butyl rubber. In *MACROMOLECULAR RESEARCH*. ISSN 1598-5032, JAN 2013, vol. 21, no. 1, p. 10-16., WOS

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- ADCA03 ACHIMSKY, L. - AUDOUIN, L. - VERDU, J. - RYCHLÁ, Lýdia - RYCHLÝ, Jozef. The effect of oxygen pressure on the rate of polypropylene oxidation determined by chemiluminescence. In *European Polymer Journal*, 1999, vol. 35, p. 557-563. (0.600 - IF1998). (1999 - Current Contents). ISSN 0014-3057.
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[1.2] AGUIRRE-VARGAS, F.- KIRKPATRICK, D. Accelerated aging of fusion bonded epoxy coatings (Part II). (2014) NACE - International Corrosion Conference Series, 9 p., Scopus
- ADCA04 ALEXY, Pavol - LACÍK, Igor - ŠIMKOVÁ, Barbora - BAKOŠ, Dušan - PRÓNAYOVÁ, Nad'a - LIPTAJ, Tibor - HANZELOVÁ, Silvia - VÁROŠOVÁ, Mária. Effect of melt processing on thermo-mechanical degradation of poly(vinyl alcohol)s. In *Polymer Degradation and Stability*, 2004, vol. 85, p. 823 - 830. (1.405 - IF2003). (2004 - Current Contents). ISSN 0141-3910.
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