

Paper Code	Title / Authors
Polymer Science and Engineering	
1027	A Multi-Factorial Generalization of the MPQ-rcp Viscosity Model: Incorporating Solvent Viscosity and Particle Diameter for Non-Newtonian Suspension Rheology S. Davarzani, S. Tarashi*
1081	Investigation of the Degradation Behavior of EPDM Rubber in Concentrated Acidic Environments Z. Rahmaniyan, A. Fakhar*, A. Shabani
1094	Electrical Conductivity of PBAT/EG Composites: A Comparison of in situ Polymerization, Melt Mixing, and Solution Mixing Sh. Valipour, B. Sedaie, S. Nikazar, Mohammad N.*, Gh. Hashemi M.
1130	Investigation of the Effect of Graphite Particles on the Thermal Conductivity of Unsaturated Polyester Resin for Reducing Internal Stresses in Thick Components N. Yavari, F. Bashipour*, M. Poorabdollah
1142	Investigation of Temperature Variations during the Curing Reaction of Unsaturated Polyester Resin Containing Modified Graphite Particles N. Yavari, M. Poorabdollah*, F. Bashipour
1204	Synthesis and Characterization of HKUST-1@SiO₂ Composite metal-organic framework M. Bahraminasab, H. Shaki*
1220	Design and Characterization of Bioactive Chitosan-Based Composite Templates Z. Yousefpour, S. P. Hosseini Largani, M. Yazdan, H. Salimi-Kenari*, H. Adeli
1303	Hansen Solubility and COSMO-RS-Based Evaluation of Rubber Swelling in Soybean and Canola Biodiesels F. Zargham Moghaddam, M. Pourhossaini*, M. Razavizadeh, M. Khabiri
1354	Interfacial and Tunneling Mechanisms Governing Conductivity of Carbon Black Nanocomposites M. Boomhendi, M. Vatani*, Y. Zare*
1394	Self-healing strain sensors based on UV curable Gelatin/Acrylamide hydrogels reinforced with silver nanowires M. Raddadi, F. Goharpey*, H. Mirzadeh, M. Ranjbari
1419	Experimental investigation of a pre-formed thermal-activated gel to prevent excess water production in oil wells V. Nasiri, H. Shahverdi*, M. Mohammadi, N. Mokhtari
1462	Performance Analysis of Hyperelastic Models for Chlorosulfonated Polyethylene Rubber: "Model Comparison and Validity Boundaries" M. Nazeri, M.R. Pourhossaini*, M. Razavizadeh, M. Khabiri
1499	Anti-biofouling Properties of Polyurethane Coatings Containing Homopolymer and Copolymer-Based Amphiphilic Dangling Chains M. Rajabi, H. Vakili*, M. Najafi
1519	Synergistic Effect of EPDM Elastomer and Large-Particle-Size Carbon Black on the Performance of Bladder Compound R. Mahdavifar
1532	Impact of different ratios of carbon black and silica on the physico-mechanical properties of SBR/NR-Based Tread Compound R. Mahdavifar
1536	Improving the mechanical and physical properties of NR/BR elastomer-based radial tire tread compound using recycled polyethylene terephthalate (rPET) along with MAH-g-PP with the aim of environmental sustainability R. Mahdavifar
1538	The effect of polyethylene glycol with different molecular weights on the rheological behavior and wear of silica radial tires for electric vehicles based on SSBR/NdBR elastomer R. Mahdavifar
1561	Experimental study of the effect of the biopolymer chitosan on copper cathode quality during copper electrorefining Sh. Rajabi Mehdi Abadi, A. Mohebbi*, A. Abolghasemi Mahani
1569	Effect of Residual Stress in NBR/PVC Preform on Toluene Diffusion coefficient F. Laktarashi*, M. R. Pourhossaini, M. Razavizadeh, M. Khabiri, M. Razzaghi-Kashani, A. Salehi Shahrabi

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Polymer Science and Engineering	
1588	Influence of Poly(vinyl alcohol) on the Antibacterial Activity of Graphene-Based Porous Nanostructures with Hybrid Sustainable Additives S. Goleyj, Y. Asghari, S. Fouji, Z. Jarrahi, D. Aliakbari, A. Allahbakhsh*
1600	Numerical Simulation of Solvent Mass Transfer Kinetics in Bio-Based Polyurethane Membranes for Fuel Storage Applications M. Khatibi, M. Pourhossainy*, M. Razavizadeh, M. Khabiri
1677	Polyethylene Glycol-Driven Structure-Property Relationships in Segmented Polyurethanes M. M. Ghasemi*, H. Vakili*, N. Hadavi, H. Ghanbari
1678	Effect of Talc Content on the Static and Kinetic Friction of PA6/TPU Blends for Run-Flat Tires A.A. Abolghasemi*, S. DarrehKhandan, M. Saadat Tagharoodi, M. Norouzi Khazaghi, M.R. Pourhosseini, M. Razavizadeh
1748	Development of chitosan-modified poly (lactic acid) nanoparticles as core-shell carriers for controlled drug delivery M. Khaghanipour, P. Zahedi*
1844	Optimization of Nanocomposite Polysulfide Sealants Using Design of Experiments for Enhanced Fuel Resistance and Mechanical Performance A. Shekari*, M. Akhtari
1890	Assessment of Enhanced Oil Recovery by Copolymer Solution Injection in an Experimental Micromodel P. Jelvani Esfahani, S. Salehi Ahmadabad, A. Ramazani S. A.*
1923	Impact of Thermal Pretreatment on the Physicochemical Properties of Nano Spray Dried Lignin K. Babapourdelavar, O. Ramezani*, M. Nikzad, A. Házcz, O. Hosseinaei
1993	Predictive Modeling of Poly (Lactic-co-Glycolic Acid) Scaffold Degradation Using Support Vector Regression M. Keshavarz, M. Sadi, F. Shokrolahi*, M. Mohammadi
1995	Influence of the Stoichiometric R (NCO/OH) Ratio and Curing Agent Type on the Density and Mechanical Response of Filled Polyurethane Composites M. Nouri, A. Nasimi*
1996	Synthesis waterborne Polyurethane adhesive for Wood substrates and investigate its adhesion properties H. Rahmani, M. Akbari Nasser, R. Lotfi Mayan Sofla*
2002	Investigating the Effect of Silver Nanoparticle Content on the Conductivity and Strain-Sensing Properties of PVA Hydrogels N. Najafi, M. Sirousazar*, S. Rezvantlab, S. Gozalzadeh
2005	Poly(lactic acid)/Epoxidized Natural Rubber-Based Green Composites: Effects of Nano- and Micro-Scale Cellulosic Fibers P. S. Rezaei, L. A. Shirazi, A. Zandi, H. A. Shirazi, F. Hemmati*
2006	Highly-Porous Poly(lactic acid)/Natural Rubber-based Foams Prepared through an Eco-Friendly and Economical Process for Tissue Engineering L. Amini-Shirazi, P. S. Rezaei, F. Hemmati*, T. Farizeh, J. M. Roshandeh
2066	Influence of Chemical Environments on the Impact Performance of HDPE M. Nourimotlagh*, J. Gheisarianfard, M. Aghili