



حسین یاری

دانشیار

پژوهشکده: پوشش های سطح و فناوری های نوین

گروه پژوهشی: پوشش های سطح و خوردگی



### مقالات در نشریات

1. H. Yari, M Mohseni, M. Messori, A scratch resistant yet healable automotive clearcoat containing hyperbranched polymer and POSS nanostructures, RSC Adv, 2016.
2. S Amrollahi, B Ramezanzadeh, H Yari, M Ramezanzadeh, M Mahdavian, In-situ Growth of Ceria Nanoparticles on Graphene Oxide Nanoplatelets to be used as a Multifunctional (UV Shield / Radical Scavenger / Anticorrosive) Hybrid Compound for Exterior Coatings, Progress in Organic Coatings, 2019.
3. Mahmudzadeh M, Yari H, Ramezanzadeh B, Mahdavian M, Urtica dioica extract as a facile green reductant of graphene oxide for UV resistant and corrosion protective polyurethane coating fabrication, J Ind Eng Chem, 2019.
4. M Mahmudzadeh, H Yari, B Ramezanzade, M Mahdavian, Highly potent radical scavenging- anti-oxidant activity of biologically reduced graphene oxide using Nettle extract as a green biogenic amines-based reductants source instead of hazardous hydrazine hydrate, Journal of hazardous materials, 2019.
5. S Amrollahi, B Ramezanzadeh, H Yari, M Ramezanzadeh, M Mahdavian, Synthesis of polyaniline-modified graphene oxide for obtaining a high performance epoxy nanocomposite film with excellent UV blocking/anti-oxidant/anti-corrosion capabilities, Composites Part B: Engineering, 2019.
6. Rezaei M, Yari H, Amrollahi S, Mohseni M, Mirzazadeh H, Chemo-mechanical modification of an acrylic melamine coating by the aid of a functional hyperbranched toughener to enhance its biological resistance, Progress in Organic Coatings, 2019.
7. R. Rafiei Hashjin, Z. Ranjbar, H. Yari, Modeling of electrical conductive graphene filled epoxy coatings, Progress in Organic Coatings, 2018.
8. M. Mahdavian, H. Yari, B. Ramezanzadeh, G. Bahlakeh, M. Hasani, Immobilization of ultraviolet absorbers on graphene oxide nanosheets to be utilized as a multifunctional hybrid UV-blocker: A combined density functional theory and practical application, Applied Surface Science, 2018.
9. M. Hasani, M. Mahdavian, H. Yari, B. Ramezanzadeh, Versatile protection of exterior coatings by the aid of graphene oxide nanosheets; comparison with conventional UV absorbers, Progress in Organic Coatings, 2018.
10. H. Pakravan, H. Yari, The influence of nanostructured UV-blockers on mechanical properties of carbon fiber epoxy composites during accelerated weathering condition, Polymer for advanced Technology, 2018.
11. Razin, A. Alizadeh, B. Ramezanzadeh, and H. Yari, Detecting and estimating the extent of automotive coating delamination and damage indexes after stone chipping using

- .electrochemical impedance spectroscopy.,*Progress in Organic Coatings*.,2016
- Rafiei, R., M. Mohseni, H. Yari, and M. Mahdavi.,*Evaluation of degradability of two polyurethane refinish coatings against biological materials: A case study*.,*Progress in Organic Coatings*.,2016
- Razin, A. Alizadeh, H. Yari, and B. Ramezanzadeh.,*Stone-chipping and adhesion deterioration of automotive coating systems caused by outdoor weathering of underneath layers*.,*Journal of Industrial and Engineering Chemistry*,2015
- Yari, H., and M. Mohseni.,*Curing and thermo-mechanical studies of a modified thermosetting clearcoat containing OH-functional POSS nanocages*.,*Progress in Organic Coatings*.,2015
- H. Yari, M Mohseni, M. Messori,,*Toughened acrylic/melamine thermosetting clear coats using POSS molecules: Mechanical and morphological studies*, „*Polymer*,2015
- H. Yari, M Mohseni, M. Messori, Z. Ranjbar,,*Tribological properties and scratch healing of a typical automotive nano clearcoat modified by a polyhedral oligomeric silsesquioxane compound*, „*European Polymer Journal*,2014
- H.Yari, S.Moradian, N.Tahamasebi,,*The weathering performance of acrylic/melamine automotive clearcoats containing hydrophobic nano-silica*, „*Journal of Coating Technology and research*,2014
- H. Yari, M Mohseni, Z. Ranjbar,,*Thermomechanical and chemorheology Properties of a Thermosetting Acrylic/Melamine Clearcoat Modified with a Hyperbranched Polymer*, „*Journal of Applied polymer Science*,2013
- Mohammad Rabea, A.,Mohseni, M.,Yari, H., Ramezanzadeh, B.,*Fabrication of low surface free energy automotive clear coats: Mechanical and surface chemistry studies* , „*Journal of Applied Polymer Science*,2013
- H. Yari, M Mohseni, Z. Ranjbar, M. Messori, M.R. Naimi ,& Jamal,, *Novel toughened automotive clearcoats modified by a polyester-amide hyperbranched polymer: structural and mechanical aspects*, „*Polym. Adv. Technol*,2013
- H.Yari, M.Mohseni, B.Ramezanzadeh, A.M. Rabea,, *Investigating the degradation resistance of silicone-acrylate containing automotive clearcoats exposed to bird droppings*.,*Progress in Organic Coatings*.,2012
- H.Yari, M.Moradian, B.Ramezanzadeh, A.Kashani, M. Niknahad.,*The influence of basecoat pigmentation on chemical structure and surface topology of automotive clearcoats during weathering*.,*Progress in Organic Coatings*.,2012
- H.Yari, S.Moradian, N.Tahamasebi, Arefmanesh, M.,*The effect of weathering on tribological properties of an acrylic melamine automotive nanocomposite*, „*Tribology Letters*,2012
- Ramezanzadeh, B.,Moradian, S.,Yari, H.,Kashani, A.,Niknahad, M.,,*The effect of basecoat pigmentation on the scratch resistance and weathering performance of an acrylicmelamine basecoat/clearcoat automotive finish*.,*Tribology International*,2012
- H.Yari, M.Mohseni, B.Ramezanzadeh,,*A mechanistic study of degradation of a typical automotive clearcoat caused by bird droppings*.,*Journal of Coatings Technology and Research*,2011
- Ramezanzadeh, B.,Mohseni, M.,Mohammad Rabea, A.,Yari, H.,*Attributing the resistance against simulated tree gum of an acrylic/melamine film loaded with an active silicone additive to its surface free energy* „*International Journal of Adhesion and Adhesives*,2011
- Ramezanzadeh, B.,Mohseni, M.,Yari, H.,*On the electrochemical and structural behavior of biologically degraded automotive coatings; Part 1: Effect of natural and simulated bird droppings*.,*Progress in Organic Coatings*.,2011
- Ramezanzadeh, B.,Mohseni, M.,Yari, H.,, *Studying the effects of the chemical structure of an automotive clearcoat on its biological degradation caused by tree gums*.,*Journal of Coatings Technology and Research*,2011
- B.Ramezanzadeh, M.Mohseni, H.Yari ,S,Sabbaghian,, *A study of thermal-mechanical* .29

- properties of an automotive coating exposed to natural and simulated bird droppings,,Journal of Thermal Analysis and Calorimetry,2010
- Ramezanzadeh, B.,Mohseni, M.,Yari,,H. The Effect of Natural Tree Gum and Environmental .30 Condition on the Degradation of a Typical Automotive Clear Coat ,,Journal of Polymers and the Environment,2010
- Ramezanzadeh, B.,Moradian, S.,Yari, H.,,The role of basecoat pigmentation on the biological .31 resistance of an automotive clearcoat .,Journal of Coatings Technology and Research,2010
- H.Yari, S.Moradian, B.Ramazanade, A.Kashani, N.Tahamasebi.,The effect of basecoat .32 pigmentation on mechanical properties of an automotive basecoat/clearcoat system during weathering.,Polymer Degradation and Stability,2009
- H.Yari, M.Mohseni, B.Ramezanzadeh, N.Naderi,,Use of analytical techniques to reveal the .33 influence of chemical structure of clearcoat, on its biological degradation caused by bird-droppings,,Progress in Organic Coatings.,2009
- B.Ramezanzadeh, M.Mohseni, H.Yari, S,Sabbaghian,,An evaluation of an automotive clear .34 coat performance exposed to bird droppings under different testing approaches.,Progress in Organic Coatings.,2009