



Pooneh Kardar

Associate Professor

Faculty: Surface Coating and Novel Technologies
Faculty

Department: Department of Surface Coating and
Corrosion

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
(not set)	(not set)	Tenured	Full Time	15

Papers in Journals

1. Amir samadi Najibzad, Reza Amini, Mehran Rostami, Pooneh Kardar, Michele Fedel, Active corrosion performance of magnesium by silane coatings reinforced with polyaniline/praseodymium, *Progress in Organic Coatings*, 2020.
2. Reza Mahmudi, Pooneh Kardar, Amir Masud Arabi, Reza Amini, Pourya Pasbakhsh, Acid-modification and praseodymium loading of halloysite nanotubes as a corrosion inhibitor, *Applied Clay Science*, 2020.
3. Reza Mahmudi, Pooneh Kardar, Amir Masud Arabi, Reza Amini, Pourya Pasbakhsh, The active corrosion performance of silane coating treated by praseodymium encapsulated with halloysite nanotubes, *Progress in Organic Coatings*, 2020.
4. Pooneh Kardar, Reza Amini, Self-cleaning treatment on historical stone surface via titanium dioxide nanocoatings, *Pigment & Resin Technology*, 2019.
5. Masoomeh Kaviani, Saeed Bastani, Mehdi Ghahari, Pooneh Kardar, Down-conversion particles as internal UV-source assist in UV-curing systems: physical and mechanical properties of UV curable micro-composite, *Progress in Organic Coatings*, 2018.
6. Yasaman Hayatgheib, Bahram Ramezanzadeh, Pooneh Kardar, Mohammad Mahdavian, A comparative study on fabrication of a highly effective corrosion protective system based on grapheme oxide-polyaniline nanofibers/epoxy composite, *Corrosion Science*, 2018.
7. Bahram Ramezanzadeh, Maryam Akbarian, ..., Pooneh Kardar, Corrosion protection of steel with zinc phosphate conversion coating and Post-treatment by hibryd organic-Inorganic sol-gel based silane film, *Journal of Electrochemical society*, 2017.
8. Mohammad Mahdavian, Bahram Ramezanzadeh, Maryam Akbarian, Mohammad Ramezanzadeh, Pooneh Kardar, Iman Alibakhshi, Enhancement of silane coating protective performance by using a polydimethylsiloxane additive, *Journal of Industrial and Engineering Chemistry*, 2017.
9. Arash Haddadi, Farhang Abbasi, Pooneh Kardar, Mohammad Mahdavian, Effect of nano-silica and boron carbide on the curing kinetics of resole resin, *Journal of thermal analysis and clorimetry*, 2017.

10. Bahram Ramezanzadeh, Pooneh Kardar, ..., Mohammad Mahdavian, Fabrication of a highly Tunable grapheme oxide composite through layer by layer assembly of highly crystalline polyaniline nanofibers and green corrosion inhibitors: complementary experimental and first principle quantum mechanics modelling approaches, *The journal of Physical chemistry C*, 2017.
11. Masoomeh Kaviani, Saeed Bastani, Mehdi Ghahari, Pooneh Kardar, NIR induced photopolymerization of acrylate based composite containing upconversion particles as an internal miniaturized UV source, *Progress in Organic Coatings*, 2017.
12. Pooneh Kardar, Morteza Ebrahimi, Saeed Bastani, UV curing behavior and mechanical properties of unpigmented and pigmented epoxy acrylate/SiO₂ nanocomposite, *Journal of Thermal Analysis and Calorimetry*, 2016.
13. Pooneh Kardar, The effect of polyurethane-isophorene microcapsules on self-healing properties of an automotive clearcoat, *Pigment & Resin Technology*, 2016.
14. Masoomeh Kaviani, Saeed Bastani, Mehdi Ghahari, Pooneh Kardar, An experimental design approach for hydrothermal synthesis of NaYF₄: Yb₃, Tm₃ upconversion microcrystal: UV emission optimization, *Optical Materials*, 2015.
15. Pooneh Kardar, Preparation of polyurethane microcapsules with different polyols component for encapsulation of isophorene diisocyanate healing agent, *Progress in Organic Coatings*, 2015.
16. Pooneh Kardar, Morteza Ebrahimi, Saeed Bastani, Study the curing behavior and mechanical properties of pigmented UV curable epoxy acrylate in the presence of different acrylate monomers, *Progress in color, colorant and coatings*, 2014.
17. Pooneh Kardar, Morteza Ebrahimi, Saeed Bastani, Influence of temperature and light intensity on the photocuring process and kinetics parameters of a pigmented UV curable system, *Journal of Thermal Analysis and Calorimetry*, 2014.
18. Pooneh Kardar, Morteza Ebrahimi, Saeed Bastani, Curing behaviour and mechanical properties of pigmented UV-curable epoxy acrylate coatings, *Pigment & Resin Technology*, 2014.
19. Pooneh Kardar, Morteza Ebrahimi, Saeed Bastani, Mojtaba Jalili, Using mixture experimental design to study the effect of multifunctional acrylate monomers on UV cured epoxy acrylate resins, *Progress in Organic Coatings*, 2009.
20. سید علی نظام زاده رضا امینی پونه کاردر، بهبود ترک‌پذیری در پوشش‌های تبدیلی بر پایه عناصر خاکی کمیاب، نشریه مطالعات در دنیای رنگ، ۱۴۰۳.
21. P Kardar, R Amini, A study on the effect of surface topography of antifouling coatings on the settlement of fouling organisms, *Pigment & Resin Technology*, 2024.
22. R Amini, P Kardar, Using mixture experimental design to study the effect of phosphating bath formulation on the properties of magnesium substrate, *Pigment & Resin Technology*, 2024.
23. P Kardar, R Amini, Influence of surface preparations of wood on the wetting and adhesion of coating, *Pigment & Resin Technology*, 2024.
24. R Amini, P Kardar, Studying the properties of polypyrrole-montmorillonite polyacrylic-urethane nanocomposite coatings: the role of an eco-friendly ionic liquid, *Pigment & Resin Technology*, 2023.
25. P Kardar, R Amini, Studying the active corrosion inhibition effect of the Ce³⁺/2- mercaptobenzothiazole loaded NaY zeolite/Zn-Al LDH based containers in a silane coating, *Progress in Color, Colorants and Coatings*, 2022.
26. PN Moghaddam, R Amini, P Kardar, B Ramezanzadeh, Synergistic corrosion inhibition effects of the non-hazardous cerium nitrate and tannic acid polyphenolic molecules on the surface of mild-steel in chloride-containing solution ..., *Journal of Molecular Liquids*, 2021.
27. PN Moghaddam, R Amini, P Kardar, B Ramezanzadeh, Epoxy-ester coating reinforced with cerium (III)-tannic acid-based hybrid pigment for effective mild-steel substrate corrosion protection, *Progress in Organic Coatings*, 2021.
28. M Saket, R Amini, P Kardar, M Ganjaee, The chemical treatment of the AZ31-Magnesium alloy surface by a high-performance corrosion protective praseodymium (III)-based film, *Materials Chemistry and Physics*, 2021.

29. Pooneh Kardar, Morteza Ebrahimi, Saeed Bastani, Study the effect of nano-alumina particles on physical–mechanical properties of UV cured epoxy acrylate via nano-indentation, *Progress in Organic Coatings*, 2008.
30. PN Moghaddam, R Amini, P Kardar, B Ramezanzadeh, Epoxy-ester coating reinforced with cerium (III)-tannic acid-based hybrid pigment for effective mild-steel substrate corrosion protection, *Progress in Organic Coatings*, 2021.