بهرام رمضان زاده

استاد

پژوهشکده: پوشش های سطح و فناوری های نوین

گروه پژوهشی: پوشش‌های سطح و خوردگی

سوابق تحصیلی

مقطع تحصیلی	سال اخذ مدرک	رشته و گرایش تحصیلی	دانشگاه
کارشناسی	۱۳۸۴	مهندسی پلیمر-صنایع رنگ	دانشگاه صنعتی امیرکبیر
کارشناسی ارشد	۱۳۸۶	مهندسی پلیمر-صنایع رنگ	دانشگاه صنعتی امیرکبیر
دکتری	۱۳۹۰	مهندسی پلیمر-صنایع رنگ	دانشگاه صنعتی امیرکبیر

اطلاعات استخدامی

محل خدمت	عنوان سمت	نوع استخدام	نوع همکاری	پایه
تهران	عضو هیئت علمی	رسمی قطعی	تمام وقت	۱۶

سوابق اجرایی

مدیر گروه روکش های سطح و خوردگی به مدت ۵ سال

رئیس پژوهشکده روکش های سطح و فناوری های نوین به مدت ۱ سال

جوایز و تقدیر نامه ها

(۱) مجری طرح برگزیده دانشگاهی سال ۱۴۰۰ با عنوان "بررسی و بهینه سازی فرایند اصلاح سطح لوله توسط محلول های FBE/۳L-PETپایه سریم با هدف بهبود خواص پوشش

(۲) انتخاب گروه روکش های سطح و خوردگی با مدیریت دکتر بهرام رمضانزاده به عنوان گروه پژوهشی برتر پژوهشگاه رنگ در سال ۱۳۹۷

(۳)ISI پژوهشگر و عضو هیئت علمی نمونه دارای مقاله منتشر شده در نشریه با بالاترین تاثیر IF و هیئت علمی برگزیده در راستای (۴) نویسنده مسئول بیشترین تعداد مقالات ISI در سال ۱۳۹۷

(۵) کسب رتبه سوم پژوهشگر برگزیده سال ۱۳۹۹

(۶) پژوهشگر و عضو هیئت علمی نمونه در راستای نویسنده مسئول بیشترین تعداد مقالات ISI در سال ۱۳۹۹

(۷) هیئت علمی برگزیده در راستای انعقاد بالاترین مبلغ قرارداد طرح صنعتی پژوهشگاه رنگ در سال ۱۳۹۸

(۸) انتخاب گروه روکش های سطح و خوردگی با مدیریت دکتر بهرام رمضانزاده به عنوان گروه پژوهشی برتر پژوهشگاه رنگ در سال ۱۳۹۸

(۹) پژوهشگر و عضو هیئت علمی نمونه در راستای نویسنده مسئول بیشترین تعداد مقالات ISI در سال ۱۳۹۸

(۱۰) کسب رتبه اول پژوهشگر برگزیده سال (۱۳۹۸) پژوهشگاه رنگ

(۱۱) پژوهشگر و عضو هیئت علمی نمونه در راستای نویسنده مسئول بیشترین تعداد مقالات ISI در سال ۱۴۰۰

(۱۲) کسب رتبه اول پژوهشگر برگزیده سال (۱۴۰۰) پژوهشگاه رنگ

(۱۳) کسب عنوان ۲ درصد دانشمندان بر تر جهان در سال ۲۰۲۰ (سال ۱۳۹۹) به انتخاب دانشگاه استنفورد و انتشار لیست توسط الزویر

(۱۴) کسب عنوان ۲ درصد دانشمندان بر تر جهان در سال ۲۰۲۱ (سال ۱۴۰۰) به انتخاب دانشگاه استنفورد و انتشار لیست توسط الزویر

(۱۵) قرارگرفتن در بین ۱۵ دانشمند ۱/۰% برتر جهان (پر استناد سال ۲۰۲۱) در سال ۱۴۰۰ بر اساس اعلام موسسه کلاریویت آنالیتیکس (Clarivate Analytics)

ISI(۱۶) انتخاب به عنوان ۱% برترین داوران دنیا جهت داوری مقالات در سال ۲۰۱۹ از سوی Publons (پایگاه استنادی Web of Science)

ISI(۱۷) انتخاب به عنوان ۱% برترین داوران دنیا جهت داوری مقالات در سال ۲۰۱۹ از سوی Publons (پایگاه استنادی Web of Science)

(۱۸) پژوهشگر برگزیده کشور در گروه فنی و مهندسی در بیست و دومین جشنواره تجلیل از پژوهشگران و فناوران برگزیده کشور (سال ۱۴۰۰)

%۱/۰(۱۹) قرارگرفتن در بین ۱۲ دانشمند برتر جهان (پر استناد سال ۲۰۲۲) در سال ۱۴۰۱ بر اساس اعلام موسسه کلاریویت آنالیتیکس (Clarivate Analytics)

ISC(۲۰) انتخاب به عنوان ۱% برتر دانشمندان پر استناد جهان در سال ۱۴۰۱ به انتخاب

(۲۱) پژوهشگر برتر پژوهشگاه رنگ در سال ۱۴۰۱

کسب عنوان ۲ درصد دانشمندان بر تر جهان در سال ۲۰۲۲ (سال ۱۴۰۰) به انتخاب دانشگاه استنفورد و انتشار لیست توسط الزویر

ISIپژوهشگر و عضو هیئت علمی نمونه دارای مقاله منتشر شده در نشریه با بالاترین تاثیر IF در سال ۱۴۰۲

انتخاب پژوهشکده پوشش های سطح و فناوری های نوین با مدیریت دکتر بهرام رمضانزاده به عنوان پزوهشکده برتر پژوهشگاه رنگ در سال ۱۴۰۱

انتخاب به عنوان عضو هیئت علمی برتر در همکاری با جامعه و صنعت در سال ۱۴۰۱ به انتخاب وزارت علوم، تحقیقات و فناوری اطلاعات

موضوعات تدریس تخصصی

(۱) تدریس درس دو واحدی "رنگ و پوشش های تبدیلی" در مقطع کارشناسی ارشد-دانشگاه امیرکبیر تهران-۱۳۹۸

(۲) تدریس درس سه واحدی مهندسی خوردگی در مقطع کارشناسی ارشد-پژوهشگاه رنگ-۱۳۹۸ و ۱۴۰۰

فعالیت های علمی و اجرایی

دبیر علمی کنگره **The 8th International Color & Coating Congress (ICCC ۲۰۲۱)**

زمینه های تدریس

پوشش های سطح و خوردگی

کارگاه ها

اصول و مبانی رنگ و پوشش

اصول و مبانی خوردگی

همایش ها و کنفرانس ها

(The ۸th International Color & Coating Congress (ICCC ۲۰۲۱

عضویت در هیات تحریریه مجلات علمی و پژوهشی

عضو هیئت تحریره مجله علمی پژوهشی مواد پیشرفته و پوشش های نوین

مقالات در همایش ها

۱. قاسم بهلکه، فاطمه پشتیبان، بهرام رمضانزاده،بررسی عملکرد بازدارندگی نمک ساماریوم به عنوان بازدارنده دوستدار محیط زیست برای خوردگی فولاد ساده کربنی در محیط ۵/۳ درصد کلرید سدیم،همایش ملی مواد رنگزا، محیط زیست و توسعه پایدار،۱۳۹۷.

۲. قاسم بهلکه، علی دهقانی، بهرام رمضانزاده،ارزیابی خواص بازدارندگی خوردگی عصاره سبز پوست کیوی بر روی فئلاد ساده کربنی محیط ۱ مولار اسید هیدروکلریدریک،همایش ملی مواد رنگزا، محیط زیست و توسعه پایدار،۱۳۹۷.

3. Hanieh Mostafavi, Taghi Shahrabi, Bahram Ramezanzadeh ,Improvement of the anti-corrosio properties of the epoxy coating via inclusion of graphene oxide nanosheets modified by organic-inorganic inhibitors on the steel substrate ,The 8th International Color and Coating Congress (ICCC2021) ,2021.

4. Navid Keshmiri, Parisa Najmi,Bahram Ramezanzadeh, Mohammad Ramezanzadeh ,Novel Zinc Phosphate Assembled Metal-Organic Frameworks Thin Films with Superior Interfacial Bonding and Anti-corrosion Properties ,The 8th International Color and Coating Congress (ICCC2021) ,2021.

5. SM. Lashgari, H. Yari, B. Ramezanzadeh, M. Mahdavian ,The influence of ZIF-67 and its surface functionalization with APS on the weathering stability of epoxy composites ,The 8th International Color and Coating Congress (ICCC2021) ,2021.

6. N. Alipanah, M. Mahdavian, H. Yari, B. Ramezanzadeh ,Construction of Fe(III)/fumarate-based metal-organic framework (MOF) grown on graphene oxide (GO) nanocomposites as an excellent UV blocker for epoxy coatings (ECs): appearance and surface investigation ,The 8th International Color and Coating Congress (ICCC2021) ,2021.

7. Z.Sanaei, B.Ramezanzadeh, M.Ramezanzadeh ,Metal-organic frameworks (MOFs) decorated MW-CNT; an advanced nanocarrier for smart delivery of MoO42- in hybrid silane coating ,The 8th International Color and Coating Congress (ICCC2021) ,2021.

8. Amir Hossein Mostafatabar, Ghasem Bahlakeh, Bahram Ramezanzadeh ,Fabrication of a novel/intelligent nano-carrier through reduction of graphene-oxide by nature-based green reductants and then modification by Zn2+ cations ,The 8th International Color and Coating Congress (ICCC2021) ,2021.

9. Amir Hossein Mostafatabar, Ghasem Bahlakeh, Bahram Ramezanzadeh ,Development of a bi-

functional self-healing/barrier epoxy composite coating via loading GO@Golpar seed extract-Zn cations nano-platforms ,The 8th International Color and Coating Congress (ICCC2021) ,2021.

10. Laleh Kaghazchi, Reza Naderi, Bahram Ramezanzadeh ,Graphene oxide surface modification with green/biocompatible corrosion inhibitors and application as efficient active/barrier nano-filler ,The 8th International Color and Coating Congress (ICCC2021) ,2021.

11. M.Keramatini, M.Mahdavian, B.Ramezanzadeh ,Cu-based organic-metal framework loaded with zinc nitrate/benzimidazole inhibitors to improve the corrosion resistance of the mild steel in saline solution ,The 8th International Color and Coating Congress (ICCC2021) ,2021.

12. Motahhare Keramatinia, Bahram Ramezanzadeh ,The effect of the modified graphene oxide-tinuvin (MGO.tin) on the weathering resistance of the polyurethane clear coat ,The 8th International Color and Coating Congress (ICCC2021) ,2021.

13. Maryam sanchouli, Ghasem Bahlakeh, Bahram Ramezanzadeh ,Carbon nanotube application as a novel anti-corrosive filler for polymeric composites; A comprehensive review ,The 8th International Color and Coating Congress (ICCC2021) ,2021.

14. M.Shariatmadar, M. Mahdavian, B. Ramezanzadeh ,Hydrophobic graphene oxide nano-composite for reinforced concrete ,The 8th International Color and Coating Congress (ICCC2021) ,2021.

15. Ali Davarpanah, Ghasem Bahlakeh, Bahram Ramezanzadeh ,Metal-organic frameworks and their applications in corrosion protection: A comprehensive review ,The 8th International Color and Coating Congress (ICCC2021) ,2021.

16. D. Aliyari, M. Mahdavian, B. Ramezanzadeh ,Effecting of zinc cation on stability and corrosion resistance ZIF-67 ,The 8th International Color and Coating Congress (ICCC2021) ,2021.

17. Ali Davarpanah, Ghasem Bahlakeh, Bahram Ramezanzadeh ,Metal-organic frameworks and their applications in corrosion protection: A comprehensive review ,The 8th International Color and Coating Congress (ICCC2021) ,2021.

18. Mojtaba Kasaeian, Ebrahim Ghasemi, Bahram Ramezanzadeh, Mohammad Mahdavian ,Hybrid organic-inorganic corrosion inhibitor embedded graphene oxide nanosheets: toward the enhancement of the anti-corrosion performance of epoxy coating on mild steel in chloride solution ,Ultrafine Grained and Nanostructured Materials 2019 ,2019.

19. Mohammad Ramezanzadeh, Bahram Ramezanzadeh, Mohammad Mahdavian ,Synthesis and application of zeolitic imidazole framework (ZIF-8) as a novel/advance anti-corrosion system for effective epoxy-polyamide coating anti-corrosion properties reinforcement in simulated seawater on mild steel ,Ultrafine Grained and Nanostructured Materials 2019 ,2019.

20. Mahsa Mahmudzadeh, Hosein Yari, Bahram Ramezanzadeh, Mohammad Mahdavian ,Enhancement of Barrier and Weathering resistance of polyurethane coatings by introducing a green-reduced graphene oxide- ,13th International Seminar on Polymer Science and Technology (ISPST 2018) ,2018.

مقالات در نشریات

1. Mobina AhadiParsa, Ali Dehghani, and Bahram Ramezanzadeh,Sulfonated Polyaniline-Grafted Two-Dimensional Ti3C2-MXene (SPANI-MXene) Nanoplatform for Designing an Advanced Smart Self-Healable Coating System,ACS Appl. Mater. Interfaces,pp. 24756−24768,2023.

2. Zahra Sanaei, Ali Shamsipur, Bahram Ramezanzadeh,Manipulating a smart multi-functional nano-carrier based on L-cysteine-GO-ZIF67@ZIF8 core@shell MOFs-LDH for designing an excellent self-healing coating,Applied Materials Today,pp. 101718,2023.

3. Rezvan Majidi, Mohammad Ramezanzadeh, Bahram Ramezanzadeh,Developing a dual-functional self-healing nanocomposite utilizing oxidized-multiwall carbon nanotube/highly-porous metal-organic framework (OCNT/ZIF-8) nano-hybrid,Applied Materials Today,pp. 101830,2023.

4. Zahra Sanaei, Ali Shamsipur, Bahram Ramezanzadeh,Trisodium phosphate-loaded

hierarchically ordered meso-nanoporous ZIF-67/ZIF-8 metal-organic frameworks assembled rGO-Zn-Al-LDH: A multi-level pH-triggered nano-vehicle for epoxy coating long-lasting self-repairing/barrier properties improvement,Chemical Engineering Journal,pp. 138872,2023.
5. Mohammad Ramezanzadeh, Bahram Ramezanzadeh, Mohammad Mahdavian,Graphene skeletal nanotemplate coordinated with pH-Responsive porous Double-Ligand Metal-Organic frameworks (DL-MOFs) through ligand exchange theory for High-Performance smart coatings,Chemical Engineering Journal,pp. 141869,2023.
6. Ali Dehghani, Amir Hossein Mostafatabar, Bahram Ramezanzadeh,Synergistic anticorrosion effect of Brassica Hirta phytoconstituents and cerium ions on mild steel in saline media: Surface and electrochemical evaluations,Colloids and Surfaces A: Physicochemical and Engineering Aspects,pp. 130503,2023.
7. Ali Dehghani, Zahra Sanaei, Michele Fedel, Mohammad Ramezanzadeh, Mohammad Mahdavian, Bahram Ramezanzade,Fabrication of an intelligent anti-corrosion silane film using a MoO42 loaded Micro/mesoporous ZIF67-MOF/multi-walled-CNT/APTES core-shell nano-container,Colloids and Surfaces A: Physicochemical and Engineering Aspects,pp. 116183,2023.
8. Seyed Ali Hosseini, Taghi Shahrabi, Bahram Ramezanzadeh, Iman Mohammadi,Nigella sativa extract phytochemicals: Effective green/bio-active anti-corrosion agent for steel protection in saline media,Industrial Crops & Products,pp. 116952,2023.
9. Mohammad Ebrahim Haji Naghi Tehrani, Mehdi Malekan, Bahram Ramezanzadeh,Corrosion interpretation of the novel rare-element bearing bulk metallic glass: Electrochemical, thermodynamic, and surface analysis of the (Cu50Zr43Al7)100-xErx,Intermetallics,pp. 107806,2023.
10. Ali Dehghani, Mohammad Lashgari, Ghasem Bahlakeh, Bahram Ramezanzadeh,Chitosan biomolecules-modified graphene oxide nano-layers decorated by mesoporous ZIF-9 nanocrystals for the construction of a smart/pH-triggered anti-corrosion coating system,Journal of Industrial and Engineering Chemistry,pp. 45–62,2023.
11. S. Mohammadkhah, M. Ramezanzadeh, H. Eivaz Mohammadloo, B. Ramezanzadeh, R. Ghamsarizade,Construction of a nano-micro nacre-inspired 2D-MoS2-MOF-glutamate carrier toward designing a high-performance smart epoxy composite,Journal of Industrial and Engineering Chemistry,2023.
12. Hamid Jalali, Reza Eslami ,& Farsani, Bahram Ramezanzadeh,Zinc-doped sulfonated polyaniline tailored Multi-walled carbon nanotubes (Zn-SPANI-MWCNT); A novel nano-hybrid for designing a smart self-healable epoxy coating,Journal of Industrial and Engineering Chemistry,pp. 397–414,2023.
13. Navid Keshmiri, Parisa Najmi, Mohammad Ramezanzadeh, Bahram Ramezanzadeh,A novel approach towards controlled growth of metal-organic framework ZIF-8 thin film on steel with excellent corrosion protection,Journal of Industrial and Engineering Chemistry,pp. 157–171,2023.
14. Ali Dehghani, Amir Hossein Mostafatabar, Ghasem Bahlakeh, Bahram Ramezanzadeh,Poppy-leaf extract-derived biomolecules adsorption on the rGO-nanoplatforms and application as smart self-healing material for epoxy coating,Journal of Molecular Liquids,pp. v,2023.
15. Somayeh Shadi, Ghasem Bahlakeh, Bahram Ramezanzadeh, Amir Hossein Jafari Mofidabadi,Experimental and computational exploration of synergistic effect of Laurus nobilis extract:Zinc cation on mild steel corrosion inhibition in saline solution,Journal of Molecular Liquids,pp. 122424,2023.
16. Zahra Shahryari, Khalil Gheisari, Mahdi Yeganeh, Bahram Ramezanzadeh,Designing a dual barrier-self-healable functional epoxy nano-composite using 2D-carbon based nano-flakes functionalized with active corrosion inhibitors,journal of ma te ri a l s re s ea rch and t e chno logy,pp. 4 6 e2 7 6 7,2023.
17. R. Ghamsarizade, B. Ramezanzadeh, H. Eivaz Mohammadloo,A review on recent advances in 2D-transition metal carbonitride-MXenes nano-sheets/polymer composites' electromagnetic

shields, mechanical and thermal properties,Journal of the Taiwan Institute of Chemical Engineers,pp. 104740,2023.
18. Mahmood Shariatmadar, Mohammad Mahdavian, Bahram Ramezanzadeh,Designing a novel waterproof thin-layer based on silicon-modified polyacrylate grafted 2D-graphene nanosheets for chloride-induced corrosion protection of rebar in concrete structures,Journal of the Taiwan Institute of Chemical Engineers,pp. 104987,2023.
19. Rezvan Majidi, Motahhare Keramatinia, Bahram Ramezanzadeh, Mohammad Ramezanzadeh,Weathering resistance (UV-shielding) improvement of a polyurethane automotive clear-coating applying metal-organic framework (MOF) modified GO nano-flakes (GO-ZIF-7),Polymer Degradation and Stability,pp. 110211,2023.
20. Parisa Najmi, Navid Keshmiri, Mohammad Ramezanzadeh, Bahram Ramezanzadeh, Mohammad Arjmand,Epoxy nanocomposites holding molybdenum disulfide decorated with covalent organic framework: All-in-one coatings featuring thermal, UV-shielding, and mechanical properties,Composites Part B,pp. 110785,2023.
21. Arsalan Nazari, Bahram Ramezanzadeh, Lei Guo, Ali Dehghani,Application of green active bio-molecules from the aquatic extract of Mint leaves for steel corrosion control in hydrochloric acid (1M) solution: Surface, electrochemical, and theoretical explorations,Colloids and Surfaces A: Physicochemical and Engineering Aspects,pp. 130540,2023.
22. Amir Hossein Mostafatabara, Mehdi Tabatabaei Majd, Pantea Ghahremani, Ghasem Bahlakeh, Bahram Ramezanzadeh**,Mussel-inspired polydopamine (PDA)-chitosan (CS) bio-molecules grafted graphene oxide nano-platforms synthesis and application as sustainable smart anti-corrosion system,Sustainable Chemistry and Pharmacy,pp. 100890,2023.
23. Parisa Najmi, Navid Keshmiri, Mohammad Ramezanzadeh, Bahram Ramezanzadeh, Mohammad Arjmand,Porous 2D Ti3C2 MXene nanosheets sandwiched between imine-based covalent organic frameworks (COFs) for excellent corrosion protective coatings,Chemical Engineering Journal,pp. 141001,2023.
24. Mozhgan Falahaty marvast, Mahsa Gholambargani, Mohammad Ramezanzadeh, and Bahram Ramezanzadeh,Enhancing Self-Healing and Adhesion Bonding Properties: Investigating the Promising Potential of Ce-ZIF8 MOF Hybrid Thin Films as pH-Responsive Nanocoatings,Langmuir,pp. 9579–9594,2023.
25. Mobina AhadiParsa, Ali Dehghani, and Bahram Ramezanzadeh,Sulfonated Polyaniline-Grafted Two-Dimensional Ti3C2-MXene (SPANI-MXene) Nanoplatform for Designing an Advanced Smart Self-Healable Coating System,ACS Appl. Mater. Interfaces,pp. 24756–24768,2023.
26. Ali Davarpanah, Ghasem Bahlakeh, Bahram Ramezanzadeh,Engineering a novel smart nano-carrier based on NH2-MIL-125 metal-organic framework (Ti-MOF) decorated 2D GO nano-platform for reaching a self-healing coating,Applied Materials Today,pp. 101844,2023.
27. Matin Akbari, Reza Naderi, Bahram Ramezanzadeh,Novel manufacturing of intelligent hierarchical molybdenum-polydopamine hollow nanocarriers for smart coating,Applied Materials Today,pp. 101880,2023.
28. Seyed Ali Hosseini, Taghi Shahrabi, Bahram Ramezanzadeh, Iman Mohammadi,Nigella sativa extract phytochemicals: Effective green/bio-active anti-corrosion agent for steel protection in saline media,Industrial Crops & Products,pp. 116952,2023.
29. Somayeh Shadi, Ghasem Bahlakeh, Bahram Ramezanzadeh, Amir Hossein Jafari Mofidabadi,Experimental and computational exploration of synergistic effect of Laurus nobilis extract:Zinc cation on mild steel corrosion inhibition in saline solution,Journal of Molecular Liquids,pp. 122424,2023.
30. Mahmood Shariatmadar, Mohammad Mahdavian, Bahram Ramezanzadeh,Designing a novel waterproof thin-layer based on silicon-modified polyacrylate grafted 2D-graphene nanosheets for chloride-induced corrosion protection of rebar in concrete structures,Journal of the Taiwan Institute of Chemical Engineers,pp. 104987,2023.

.31 Houra Pezeshk ,& Fallah , Hossein Yari , Mohammad Mahdavian , Bahram Ramezanzadeh,Size/porosity-controlled zinc-based nanoporous-crystalline metal-organic frameworks for application in a high-performance self-healing epoxy coating,Progress in Organic .Coatings,pp. 107814,2023
.32 Ali Davarpanah, Motahhare Keramatinia, Elham Soroush, Nazanin Nouri, Bahram Ramezanzadeh,Improving the polyester powder coating self-healing anti-corrosion properties via the steel surface decoration with Ce-doped-ZIF-8@ZPMn film,Surfaces and Interfaces,pp. .103144,2023
.33 Abolfazl Zarei, Ali Dehghani, Lei Guo, Bahram Ramezanzadeh,Pepper extract effectiveness as a natural inhibitor against corrosion of steel samples (SS) in 1 M hydrochloric acid; Theoretical (DFT calculation – MD simulation), thermodynamic, and electrochemical-surface .studies,Industrial Crops and Products,pp. 115839,2022
.34 Hanie Ahmadi, Reza Ghamsarizade, Vahid Haddadi ,& Asla, Hossein Eivaz Mohammadloo, Bahram Ramezanzadeh,Designing a novel bio-compatible hydroxyapatite (HA)/hydroxyquinoline (8-HQ)-inbuilt polyvinylalcohol (PVA) composite coatings on Mg AZ31 implants via electrospinning and immersion protocols: Smart anti-corrosion and anti-bacterial properties .reinforcemen,Journal of Industrial and Engineering Chemistry,pp. 556-571,2022
.35 Seyed Ali Hosseini,Taghi Shahrabi, Bahram Ramezanzadeh,Synergistic effect of Black cumin extract and zinc cations on the mild steel corrosion resistance improvement in NaCl solution; Surface and electrochemical explorations,Colloids and Surfaces A: Physicochemical and .Engineering Aspects,pp. 130153,2022
.36 Seyyed Arash Haddadi, Mohammad Ramezanzadeh, Mohammad Ebrahim Haji Naghi Tehrani, Bahram Ramezanzadeh,Sodium lignosulfonate-loaded ZnAl-layered double hydroxide decorated graphene oxide nanolayers; toward fabrication of sustainable nanocomposite for smart .corrosion prevention,Journal of Cleaner Production,pp. 133980,2022
.37 Mohammad Ramezanzadeh, Bahram Ramezanzadeh, Mohammad Mahdavian,Epoxy-zinc phosphate coating dual barrier/active corrosion prevention properties improvement via polyaniline modified lamellar kaolinite (Ka@PAni) hybrid-pigment,Progress in Organic .Coatings,pp. 107132,2022
.38 Seyyed Arash Haddadi, Eiman Alibakhshi, Akram Labani Motlagh, Ahmad Ramazani, S.A.d Mohammad Ghaderid, Bahram Ramezanzadeh, Mohammad Mahdavian, Mohammad Arjmand,Synthesis of methyltriethoxysilane-modified calcium zinc phosphate nanopigments toward epoxy nanocomposite coatings: Exploring rheological, mechanical, and anti-corrosion .properties,Progress in Organic Coatings,pp. 107055,2022
.39 Mohammad Hossein Rahmani, Ali Dehghani, Ghasem Bahlakeh, Bahram Ramezanzadeh,Introducing GO-based 2D-platform modified via phytic acid molecules decorated by zeolite imidazole ZIF-9 MOFs for designing multi-functional polymeric anticorrosive system; .DFT-D computations and experimental studies,Journal of Molecular Liquids,pp. 119945,2022
.40 Motahhare Keramatinia, Rezvan Majidi, Bahram Ramezanzadeh,La-MOF coordination polymer: An effective environmentally friendly pH-sensitive corrosion inhibitive-barrier nanofiller for the epoxy polyamide coating reinforcement,Journal of Environmenta Chemical .Engineering,pp. 108246,2022
.41 MobinaAhadi Parsa, Ali Dehghani, Mohammad Ramezanzadeh, Bahram Ramezanzadeh,Rising of MXenes: Novel 2D-functionalized nanomaterials as a new milestone in .corrosion science - a critical review,Advances in Colloid and Interface Science,pp. 102730,2022
.42 Amir Hossein Mostafatabar, Ghasem Bahlakeh, Bahram Ramezanzadeh,Designing a novel anti-corrosion metal-organic platform based on dual-action epoxy coating,Progress in Organic .Coatings,pp. 107007,2022
.43 Ali Dehghani, Amir Hossein Mostafatabar, Ghasem Bahlakeh, Bahram Ramezanzadeh,Metal-doped 2D rGO nano-sheets fabrication utilizing plant source bio-molecules and application in the

epoxy anti-corrosive coating: Combined experimental and DFT-D modeling investigations,Progress in Organic Coatings,pp. 106938,2022.
44. Laleh Kaghazchi, Reza Naderi, Bahram Ramezanzadeh,Improvement of the dual barrier/active corrosion inhibition function of the epoxy composite filled with zinc doped-phytic acid-modified graphene oxide nanosheets,Progress in Organic Coatings,pp. 106884,2022.
45. Vahdat Zahedi Asl, MahmoodKazemzad, Jingmao Zhao, Bahram Ramezanzadeh, Muhammad Junaid Anjum,An eco-friendly Ca Ce and Ca Y based LDH coating on AZ31 Mg alloy: Surface modification and its corrosion studies in simulated body fluid (SBF),Surface and Coatings Technology,pp. 128458,2022.
46. Zahra Shahryari, Khalil Gheisari, Mahdi Yeganeh, Bahram Ramezanzadeh,MoO42−-doped oxidative polymerized pyrrole-graphene oxide core-shell structure synthesis and application for dual-barrier & active functional epoxy-coating construction,Progress in Organic Coatings,pp. 106845,2022.
47. Sepideh Akbaripoor Tafreshi, Nejad, Eiman Alibakhshi, Bahram Ramezanzadeh, Seyyed Arash Haddadi, Mohammad Arjmand,Mohammad Mahdavian,A novel nitrogen- and sulfur-grafted reduced graphene oxide doped with zinc cations for corrosion mitigation of mild steel,Progress in Organic Coatings,pp. 106828,2022.
48. M.H.Shahini, Motahhare Keramatinia, Mohammad Ramezanzadeh, Lei Guo, Bahram Ramezanzadeh,MD simulation/Quantum chemical calculations and experimental studies of Ranunculus bulbosus biomolecules impact on the mild steel dissolution reduction in a destructive acidic liquid,Journal of Molecular Liquids,pp. 118950,2022.
49. Ali Dehghani, Ghasem Bahlakeh, Bahram Ramezanzadeh, Amir Hossein Jafari Mofidabadi,Electronic DFT-D modeling of L-citrulline molecules interactions with Beta-CD aligned rGO-APTES multi-functional nano-capsule for anti-corrosion application,Journal of Molecular Liquids,pp. 118814,2022.
50. Farshad Bahremand, Taghi Shahrabi, Bahram Ramezanzadeh*,Epoxy coating anti-corrosion properties enhancement via the steel surface treatment by nanostructured samarium oxide-poly-dopamine film,Journal of Hazardous Materials Volume 403, 5 February 2021, 123722,Vol. 403,pp. 123722,2021.
51. Farshad Bahremand, TaghiShahrabi, Bahram Ramezanzadeh*,Synthesis of a novel metal-organic nanocomposite film (MONF) with superior corrosion protection performance based on the biomimetic polydopamine (PDA)-based molecules and Sm2O3 particles on the steel surface,Journal of Molecular Liquids Volume 319, 1 December 2020, 114143,Vol. 319,pp. 114143,2021.
52. Amir Hossein Jafari Mofidabadi , Ghasem Bahlakeh, Bahram Ramezanzadeh*,Fabrication of a novel hydrophobic anti-corrosion film based on Eu2O3/stearic acid on steel surface; Experimental and detailed computer modeling studies,Journal of the Taiwan Institute of Chemical Engineers Volume 114, September 2020, Pages 228-240,Vol. 114,pp. 228-240,2021.
53. Amir Hossein Jafari Mofidabadi , Ghasem Bahlakeh, Bahram Ramezanzadeh*,Fabrication of a novel hydrophobic anti-corrosion film based on Eu2O3/stearic acid on steel surface; Experimental and detailed computer modeling studies,Journal of the Taiwan Institute of Chemical Engineers Volume 114, September 2020, Pages 228-240,Vol. 114,pp. 228-240,2021.
54. Mohammad Ramezanzadeh, Ghasem Bahlakeh, Bahram Ramezanzadeh*,Construction of an epoxy composite with excellent thermal/mechanical properties using graphene oxide nanosheets reduced/functionalized by Tamarindus indiaca extract/zinc ions; detailed experimental and DFT-D computer modeling explorations,Results in Physics Volume 19, December 2020, 103400,Vol. 19,pp. 103400,2021.
55. Sajjad Akbarzade, Mohammad Ramezanzadeh, Bahram Ramezanzadeh*, Ghasem Bahlakeh,Detailed atomic/molecular-level/electronic-scale computer modelingand electrochemical explorations of the adsorption and anti-corrosioneffectiveness of the green

nitrogen-based phytochemicals on the mildsteel surface in the saline solution,Journal of .Molecular Liquids Volume 319, 1 December 2020, 114312,Vol. 319,pp. 114312,2021
.56 Laleh Kaghazchi, Reza Naderi, Bahram Ramezanzadeh*,Construction of a high-performance anti-corrosion film based on the green tannic acid molecules and zinc cations on steel: Electrochemical/ Surface investigations,Construction and Building Materials Volume 262, 30 .November 2020, 120861,Vol. 262,pp. 120861,2021
.57 Laleh Kaghazchi, Reza Naderi, Bahram Ramezanzadeh*,Construction of a high-performance anti-corrosion film based on the green tannic acid molecules and zinc cations on steel: Electrochemical/ Surface investigations,Construction and Building Materials Volume 262, 30 .November 2020, 120861,Vol. 262,pp. 120861,2021
.58 Seyed Mohammad Lashgari , Hossain Yari, Mohammad Mahdavian, Bahram Ramezanzadeh*, Ghasem Bahlakeh, Mohammad Ramezanzadeh,Synthesis of graphene oxide nanosheets decorated by nanoporous zeolite-imidazole (ZIF-67) based metal-organic framework with controlled-release corrosion inhibitor performance: Experimental and detailed DFT-D theoretical explorations,Journal of Hazardous Materials Volume 404, Part A, 15 February 2021, 124068,Vol. .404,pp. 124068,2021
.59 Amir Hossein Jafari Mofidabadi, Ghasem Bahlakeh, Bahram Ramezanzadeh*,Anti-corrosion performance of the mild steel substrate treated by a novel nanostructure europium oxide-based conversion coating: Electrochemical and surface studies,Colloids and Surfaces A: Physicochemical and Engineering Aspects Volume 609, 20 January 2021, 125689,Vol. 609,pp. .125689,2021
.60 Mohammad Ramezanzadeh , Ali Tati , Ghasem Bahlakeh, Bahram Ramezanzadeh*,Construction of an epoxy composite coating with exceptional thermo-mechanical properties using Zr-based NH2-UiO-66 metal-organic framework (MOF): Experimental and DFT-D theoretical explorations,Chemical Engineering Journal Volume 408, 15 March 2021, .127366,Vol. 408,pp. 127366,2021
.61 Laleh Kaghazchi, Reza Naderi, Bahram Ramezanzadeh*,Synergistic mild steel corrosion mitigation in sodium chloride-containing solution utilizing various mixtures of phytic acid molecules and Zn2 + ions,Journal of Molecular Liquids Volume 323, 1 February 2021, .114589,Vol. 323,pp. 114589,2021
.62 Motahhare Keramatinia , Mohammad Ramezanzadeh, Ghasem Bahlakeh, Bahram Ramezanzadeh*,Synthesis of a multi-functional zinc-centered nitrogen-rich graphene-like thin film from natural sources on the steel surface for achieving superior anti-corrosion .properties,Corrosion Science Volume 178, January 2021, 109077,Vol. 178,pp. 109077,2021
.63 Ali Dehghani, Ghasem Bahlakeh, Bahram Ramezanzadeh*, Amir Hossein Jafari Mofidabadi,Construction of a high-potency anti-corrosive metal-organic film based on europium (III)-benzimidazole: Theoretical and electrochemical investigations,Construction and Building .Materials Volume 269, 1 February 2021, 121271,Vol. 269,pp. 121271,2021
.64 Seyed Mohammad Lashgari , Hossain Yari, Mohammad Mahdavian, Bahram Ramezanzadeh*, Ghasem Bahlakeh, Mohammad Ramezanzadeh,Application of nanoporous cobalt-based ZIF-67 metal-organic framework (MOF) for construction of an epoxy-composite coating with superior anti-corrosion properties,Corrosion Science Volume 178, January 2021, 109099,Vol. 178,pp. .109099,2021
.65 Seyed Mohammad Lashgari , Hossain Yari, Mohammad Mahdavian, Bahram Ramezanzadeh*, Ghasem Bahlakeh, Mohammad Ramezanzadeh,Application of nanoporous cobalt-based ZIF-67 metal-organic framework (MOF) for construction of an epoxy-composite coating with superior anti-corrosion properties,Corrosion Science Volume 178, January 2021, 109099,Vol. 178,pp. .109099,2021
.66 Parisa Naghadian Moghaddam, Reza Amini, Pooneh Kardar , Bahram 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: Detailed surface and electrochemical explorations,Journal of Molecular Liquids Volume 322, 15 .January 2021, 114510,Vol. 322,pp. 114510,2021
.67 Seyed Mohammad Lashgari, Hossain Yari, Mohammad Mahdavian, Bahram Ramezanzadeh*, Ghasem Bahlakeh, Mohammad Ramezanzadeh,Unique 2-methylimidazole based Inorganic Building Brick nano-particles (NPs) functionalized with 3-aminopropyltriethoxysilane with excellent controlled corrosion inhibitors delivery performance; Experimental coupled with molecular/DFT-D simulations,Journal of the Taiwan Institute of Chemical Engineers Volume 117, .December 2020, Pages 209-222,Vol. 117,pp. 209-222,2021
.68 M.H. Shahini, Bahram Ramezanzadeh*, H. Eivaz Mohammadloo,Recent advances in biopolymers/carbohydrate polymers as effective corrosion inhibitive macro-molecules: A review study from experimental and theoretical views,Journal of Molecular Liquids Volume 325, 1 .March 2021, 115110,Vol. 325,pp. 115110,2021
.69 Mohammad Ebrahim Haji Naghi Tehrani, Mohammad Ramezanzadeh, Bahram Ramezanzadeh*,A highly-effective/durable metal-organic anti-corrosion film deposition on mild steel utilizing Malva sylvestris (M.S) phytoextract-divalent zinc cations,Journal of Industrial and .Engineering Chemistry Volume 95, 25 March 2021, Pages 292-304,Vol. 95,pp. 292-304,2021
.70 Parisa Najmi, Navid Keshmiri, Mohammad Ramezanzadeh, Bahram Ramezanzadeh*,Synthesis and application of Zn-doped polyaniline modified multi-walled carbon nanotubes as stimuli-responsive nanocarrier in the epoxy matrix for achieving excellent barrier-self-healing corrosion protection potency,Chemical Engineering Journal Volume 412, 15 May .2021, 128637,Vol. 412,pp. 128637,2021
.71 Nariman Alipanah , Hossein Yari, Mohammad Mahdavian, Bahram Ramezanzadeh*, Ghasem Bahlakeh,MIL-88A (Fe) filler with duplicate corrosion inhibitive/barrier effect for epoxy coatings: Electrochemical, molecular simulation, and cathodic delamination studies,Journal of Industrial .and Engineering Chemistry Volume 97, 25 May 2021, Pages 200-215,Vol. 97,pp. 200-215,2021
.72 Parisa Najmi, Navid Keshmiri, Mohammad Ramezanzadeh , Bahram Ramezanzadeh,Highly improving the mechanical-responses/thermal-stability of the epoxy nano-composite using novel highly-oxidized multi-walled carbon nanotubes (OMWCNT) functionalized by Zinc-doped Polyaniline (PANI) nanofibers,Journal of the Taiwan Institute of Chemical Engineers Volume 119, .February 2021, Pages 245-258,Vol. 119,pp. 245-258,2021
.73 Parisa Najmi, Navid Keshmiri, Mohammad Ramezanzadeh , Bahram Ramezanzadeh,Highly improving the mechanical-responses/thermal-stability of the epoxy nano-composite using novel highly-oxidized multi-walled carbon nanotubes (OMWCNT) functionalized by Zinc-doped Polyaniline (PANI) nanofibers,Journal of the Taiwan Institute of Chemical Engineers Volume 119, .February 2021, Pages 245-258,Vol. 119,pp. 245-258,2021
.74 Ali Hosseinpour, Majid Rezaei Abadchi, Majid Mirzaee, Fatemeh Ahmadi Tabar, Bahram Ramezanzadeh,Recent advances and future perspectives for carbon nanostructures reinforced organic coating for anti-corrosion application,Surfaces and Interfaces Volume 23, April 2021, .100994,Vol. 23,pp. 100994,2021
.75 M.H. Shahini, Mohammad Ramezanzadeh, Bahram Ramezanzadeh*, Ghasem Bahlakeh,The role of ethanolic extract of Stachys byzantina's leaves for effective decreasing the mild-steel (MS) degradation in the acidic solution; coupled theoretical/experimental assessments,Journal .of Molecular Liquids Volume 329, 1 May 2021, 115571,Vol. 329,pp. 115571,2021
.76 Mohammad Ebrahim Haji Naghi Tehrani, Pantea Ghahremani, Mohammad Ramezanzadeh, Ghasem Bahlakeh, Bahram Ramezanzadeh*,Theoretical and experimental assessment of a green corrosion inhibitor extracted from Malva sylvestris,Journal of Environmental Chemical .Engineering Volume 9, Issue 3, June 2021, 105256,Vol. 9,pp. 105256,2021
.77 Amir Hossein Mostafatabar, Ghasem Bahlakeh, Bahram Ramezanzadeh, Ali Dehghani, Mohammad Ramezanzadeh,A comprehensive electronic-scale DFT modeling, atomic-level

MC/MD simulation, and electrochemical/surface exploration of active nature-inspired phytochemicals based on Heracleum persicum seeds phytoextract for effective retardation of the acidic-induced c,Journal of Molecular Liquids Volume 331, 1 June 2021, 115764,Vol. 331,pp. .115764,2021

78. Navid Keshmiri , Parisa Najmi, Bahram Ramezanzadeh*, Ghasem Bahlakeh,Superior thermal-mechanical properties of the epoxy composite reinforced with rGO-ATMP; Combined DFT-D theoretical modeling/ experimental studies,Journal of Molecular Liquids Volume 331, 1 June .2021, 115800,Vol. 331,pp. 115800,2021

79. M.H. Shahini, Mohammad Ramezanzadeh, Ghasem Bahlakeh, Bahram Ramezanzadeh*,Superior inhibition action of the Mish Gush (MG) leaves extract toward mild steel corrosion in HCl solution: Theoretical and electrochemical studies,Journal of Molecular .Liquids Volume 332, 15 June 2021, 115876,Vol. 332,pp. 115876,2021

80. Mohammad Ebrahim Haji Naghi Tehrani, Mohammad Ramezanzadeh, Bahram Ramezanzadeh*,Highly-effective/durable method of mild-steel corrosion mitigation in the chloride-based solution via fabrication of hybrid metal-organic film (MOF) generated between the active Trachyspermum Ammi bio-molecules-divalent zinc cations,Corrosion Science Volume 184, .15 May 2021, 109383,Vol. 184,pp. 109383,2021

81. Seyed Mohammad Lashgari, Ghasem Bahlakeh, Bahram Ramezanzadeh*,Detailed theoretical DFT computation/molecular simulation and electrochemical explorations of Thymus vulgaris leave extract for effective mild-steel corrosion retardation in HCl solution,Journal of Molecular .Liquids Volume 335, 1 August 2021, 115897,Vol. 335,pp. 115897,2021

82. Ali Dehghani, Ghasem Bahlakeh, Bahram Ramezanzadeh*, Amir Hossein Jafari Mofidabadi,Cyclodextrin-based nano-carrier for intelligent delivery of dopamine in a self-healable anti-corrosion coating,Journal of Environmental Chemical Engineering Volume 9, Issue 4, August .2021, 105457,Vol. 9,pp. 105457,2021

83. Ali Dehghani, Ghasem Bahlakeh, Bahram Ramezanzadeh*, Amir Hossein Jafari Mofidabadi,Improvement of the anti-corrosion ability of a silane film with □-cyclodextrin-based nanocontainer loaded with L-histidine: Coupled experimental and simulations studies,Progress in .Organic Coatings Volume 157, August 2021, 106288,Vol. 157,pp. 106288,2021

84. Amir Hossein Mostafatabar , Ghasem Bahlakeh, Mohammad Ramezanzadeh, Bahram Ramezanzadeh*,Eco-friendly protocol for zinc-doped amorphous carbon-based film construction over steel surface using nature-inspired phytochemicals: Coupled experimental and classical atomic/molecular and electronic-level theoretical explorations,Journal of Environmental .Chemical Engineering Volume 9, Issue 4, August 2021, 105487,Vol. 9,pp. 105487,2021

85. A.R. Shahmoradi, M. Ranjbarghanei, A.A. Javidparvar, L. Guo d,e, E. Berdimurodov , Bahram Ramezanzadeh*,Theoretical and surface/electrochemical investigations of walnut fruit green husk extract as effective inhibitor for mild-steel corrosion in 1M HCl electrolyte,Journal of .Molecular Liquids Volume 338, 15 September 2021, 116550,Vol. 338,pp. 116550,2021

86. Asma Moradi , Zahra Ranjbar, Lei Guo, Sirous Javadpour, Bahram Ramezanzadeh*,Molecular dynamic (MD) simulation and electrochemical assessments of the Satureja Hortensis extract for the construction of effective zinc-based protective film on carbon steel,Journal of Molecular .Liquids Volume 338, 15 September 2021, 116606,Vol. 338,pp. 116606,2021

87. M.H. Shahini, Maryam Mousavi, Amir Masoud Arabi, Mohammad Mahdavian, Bahram Ramezanzadeh,Ce-oxide quantum dots decorated graphene oxide (CeO-QDs-GO) nano-platforms synthesis and application in epoxy matrix for efficient anti-corrosion ability,Journal of Industrial and Engineering Chemistry Volume 101, 25 September 2021, Pages 51-65,Vol. 101,pp. .51-65,2021

88. M.H. Shahini , N. Taheri , H. Eivaz Mohammadloo, Bahram Ramezanzadeh,A comprehensive overview of nano and micro carriers aiming at curtailing corrosion progression Journal of the Taiwan Institute of Chemical Engineers,Journal of the Taiwan Institute of Chemical Engineers

.Volume 126, September 2021, Pages 252-269,Vol. 126,pp. 252-269,2021
.89 Zahra Haeri , Mohammad Ramezanzadeh , Bahram Ramezanzadeh,Ce-TA MOF assembled GO nanosheets reinforced epoxy composite for superior thermo-mechanical properties Journal of the Taiwan Institute of Chemical Engineers,Journal of the Taiwan Institute of Chemical .Engineers Volume 126, September 2021, Pages 313-323,Vol. 126,pp. 313-323,2021
.90 M. Razizadeh, M. Mahdavian, B. Ramezanzadeh*, E. Alibakhshi, S. Jamali,Synthesis of hybrid organic–inorganic inhibitive pigment based on basil extract and zinc cation for application in protective construction coatings,Construction and Building Materials Volume 287, 14 June 2021, .123034,pp. 123034,2021
.91 Ali Dehghani, Ghasem Bahlakeh, Bahram Ramezanzadeh,Synthesis of a non-hazardous/smart anti-corrosion nano-carrier based on beta-cyclodextrin-zinc acetylacetonate inclusion complex decorated graphene oxide (-CD-ZnA-MGO),Journal of Hazardous Materials,Vol. 398,pp. .122962,2020
.92 Rahman Mohammadkhani, Mohammad Ramezanzadeh, Sajjad Akbarzadeh, Ghasem Bahlakeh, Bahram Ramezanzadeh*,Graphene oxide nanoplatforms reduction by green plant-sourced organic compounds for construction of an active anti-corrosion coating; experimental/electronic-scale DFT-D modeling studies,Chemical Engineering Journal,Vol. 397,pp. .125061,2020
.93 Ali Asghar Javidparvar, Reza Naderi, Bahram Ramezanzadeh*,Non-covalently surface modification of graphene oxide nanosheets and its role in the enhancement of the epoxy-based coatings` physical properties,Colloids and Surfaces A: Physicochemical and Engineering .Aspects,pp. 602,2020
.94 Ali Dehghani, Ghasem Bahlakeh, Bahram Ramezanzadeh,Designing a novel targeted-release nano-container based on the silanized graphene oxide decorated with cerium acetylacetonate loaded betacyclodextrin (-CD-CeA-MGO) for epoxy anti-corrosion coating,Chemical Engineering .Journal Volume 400, 15 November 2020, 125860,Vol. 400,pp. 125860,2020
.95 Ali Dehghani, Ghasem Bahlakeh, Bahram Ramezanzadeh,Construction of a sustainable/controlled-release nano-container of non-toxic corrosion inhibitors for the water-based siliconized film: Estimating the host-guest interactions/desorption of inclusion complexes of cerium acetylacetonate (CeA) with beta-cycl,Journal of Hazardous Materials Volume 399, 15 .November 2020, 123046,Vol. 399,pp. 123046,2020
.96 Reza Samiee , Bahram Ramezanzadeh*, Mohammad Mahdavian, Eiman Alibakhshi , Ghasem Bahlakeh,Designing a non-hazardous nano-carrier based on graphene oxide@Polyaniline-Praseodymium (III) for fabrication of the Active/Passive anti-corrosion coating,Journal of .Hazardous Materials Volume 398, 5 November 2020, 123136,Vol. 398,pp. 123136,2020
.97 Ali Dehghani, Ghasem Bahlakeh, Bahram Ramezanzadeh*, Amir hossein Mostafatabar, Mohammad Ramezanzadeh,Estimating the synergistic corrosion inhibition potency of (2-(3,4-)-3,5,7-trihydroxy-4H-chromen-4-one) and trivalent-cerium ions on mild steel in NaCl solution,Construction and Building Materials Volume 261, 20 November 2020, 119923,Vol. .261,pp. 119923,2020
.98 Ali Dehghani, Bahram Ramezanzadeh, Fatemeh Poshtiban, Ghasem Bahlakeh,Construction of a highly-effective/sustainable corrosion protective composite nanofilm based on Aminotris(methylphosphonic acid) and trivalent cerium ions on mild steel against chloride solution,Construction and Building Materials Volume 261, 20 November 2020, 119838,Vol. .261,pp. 119838,2020
.99 Ali Dehghani, Amir Hossein Mostafatabar, Ghasem Bahlakeh, Bahram Ramezanzadeh*,A detailed study on the synergistic corrosion inhibition impact of the Quercetin molecules and trivalent europium salt on mild steel; electrochemical/surface studies, DFT modeling, and MC/MD computer simulation,Journal of Molecular Liquids Volume 316, 10 October 2020, .113914,Vol. 316,pp. 113914,2020

100. Sara Khamseh, Eiman Alibakhshi, Bahram Ramezanzadeh, Morteza Ganjaee Sari,A tailored pulsed substrate bias voltage deposited (a-C: Nb) thin-film coating on GTD-450 stainless steel: Enhancing mechanical and corrosion protection characteristics,Chemical Engineering Journal .Volume 404, 15 January 2021, 126490,Vol. 404,pp. 126490,2020
101. Farshad Bahremand, Taghi Shahrabi, Bahram Ramezanzadeh*,Development of a nanostructured film based on samarium (III)/polydopamine on the steel surface with superior anti-corrosion and water-repellency properties,Journal of Colloid and Interface Science Volume .582, Part A, 15 January 2021, Pages 342-352,Vol. 582,pp. 342-352,2020