



Ministry of Science, Research and Technology
Institute for Color
Science & Technology

Current Statistics of International Research Achievements of Institute for Color Science and Technology

H-Index:

128



Citations:

80901



Publications:

2353



\bar{H}_{FM} : 21.48

FM= Faculty Members

$\bar{Citations}_{FM}$: 2505

Highly-Cited papers

- 1 Synthesis of pearl necklace-like ZIF-8@chitosan/PVA nanofiber with synergistic effect for recycling aqueous dye removal.
Mahmoodi, NM; Oveisi, M; Taghizadeh, A; Taghizadeh, M
- 2 Synthesis of metal-organic framework hybrid nanocomposites based on GO and CNT with high adsorption capacity for dye removal.
Abdi, J; Vossoughi, M; **Mahmoodi, NM**; Alemzadeh, I
- 3 Use of Rosa canina fruit extract as a green corrosion inhibitor for mild steel in 1 M HCl solution: A complementary experimental, molecular dynamics and quantum mechanics investigation.
Sanaei, Z; Ramezanzadeh, M; Bahlakeh, G; **Ramezanzadeh, B**
- 4 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 exploration
Lashgari, SM; **Yari, H**; **Mahdavian, M**; **Ramezanzadeh, B**; Bahlakeh, G; Ramezanzadeh, M
- 5 A facile route of making silica nanoparticles-covered graphene oxide nanohybrids (SiO₂-GO); fabrication of SiO₂-GO/epoxy composite coating with superior barrier and corrosion protection performance.
Ramezanzadeh, B; Haeri, Z; Ramezanzadeh, M
- 6 Utilizing Lemon Balm extract as an effective green corrosion inhibitor for mild steel in 1M HCl solution: A detailed experimental, molecular dynamics, Monte Carlo and quantum mechanics study.
Asadi, N; Ramezanzadeh, M; Bahlakeh, G; **Ramezanzadeh, B**
- 7 Development of metal-organic framework (MOF) decorated graphene oxide nanoplateforms for anti-corrosion epoxy coatings
Ramezanzadeh, M; **Ramezanzadeh, B**; **Mahdavian, M**; Bahlakeh, G
- 8 MIL-Ti metal-organic frameworks (MOFs) nanomaterials as superior adsorbents: Synthesis and ultrasound-aided dye adsorption from multicomponent wastewater systems.
Oveisi, M; Asli, MA; **Mahmoodi, NM**
- 9 Persian Liquorice extract as a highly efficient sustainable corrosion inhibitor for mild steel in sodium chloride solution.
Alibakhshi, E; Ramezanzadeh, M; Haddadi, SA; Bahlakeh, G; **Ramezanzadeh, B**; **Mandavian, M**
- 10 Enhancement of barrier and corrosion protection performance of an epoxy coating through wet transfer of amino functionalized graphene oxide.
Ramezanzadeh, B; Niroumandrad, S; Ahmadi, A; **Mahdavian, M**; Moghadam, MHM
- 11 Effects of highly crystalline and conductive polyaniline/graphene oxide composites on the corrosion protection performance of a zinc-rich epoxy coating.
Ramezanzadeh, B; Moghadam, MHM; Shohani, N; **Mandavian, M**
- 12 Agarose-based biomaterials for tissue engineering.
Zarrintaj, P; Manouchehri, S; Ahmadi, Z; Saeb, MR; Urbanska, AM; Kaplan, DL; Mozafari, M
- 13 Heavy metal adsorption using PAMAM/CNT nanocomposite from aqueous solution in batch and continuous fixed bed systems.
Hayati, B; Maleki, A; **Najafi, F**; Gharibi, F; McKay, G; Gupta, VK; Puttaiah, SH; Marzban, N
- 14 Development of an active/barrier bi-functional anti-corrosion system based on the epoxy nanocomposite loaded with highly-coordinated functionalized zirconium-based nanoporous metal-organic framework (Zr-MOF).
Ramezanzadeh, M; **Ramezanzadeh, B**; Bahlakeh, G; Tati, A; **Mahdavian, M**
- 15 Molecular-DFT theoretical and experimental studies on the quince seed extract corrosion inhibition performance on the acidic-solution attack of mild-steel.
Shahmoradi, AR; Talebibahmanbigloo, N; Nickhil, C; Nisha, R; Javidparvar, AA; Ghahremani, P; Bahlakeh, G; **Ramezanzadeh, B**
- 16 Theoretical and surface/electrochemical investigations of walnut fruit green husk extract as effective inhibitor for mild-steel corrosion in 1M HCl electrolyte.
Shahmoradi, AR; Ranjbarghanei, M; Javidparvar, AA; Guo, L; Berdimurodov, E; **Ramezanzadeh, B**
- 17 Clean Laccase immobilized nanobiocatalysts (graphene oxide - zeolite nanocomposites): From production to detailed biocatalytic degradation of organic pollutant.
Mahmoodi, Niyaz Mohammad; Saffar-Dastgerdi, Mohammad Hosein
- 18 Chitosan-wrapped multiwalled carbon nanotube as filler within PEBA thin film nanocomposite (TFN) membrane to improve dye removal.
Mousavi, SR; Asghari, M; **Mahmoodi, NM**
- 19 Flame Retardancy Index for Thermoplastic Composites.
Vahabi, H; Kandola, BK; **Saeb, MR**
- 20 Graphene skeletal nanotemplate coordinated with pH-Responsive porous Double-Ligand Metal-Organic frameworks (DL-MOFs) through ligand exchange theory for High-Performance smart coatings
Ramezanzadeh, Mohammad; **Ramezanzadeh, Bahram**; **Mahdavian, Mohammad**
- 21 Potential of *Borage* flower aqueous extract as an environmentally sustainable corrosion inhibitor for acid corrosion of mild steel: Electrochemical and theoretical studies
DDehghani, Ali; Bahlakeh, Ghasem; **Ramezanzadeh, Bahram**; Ramezanzadeh, Mohammad
- 22 Heterogeneous MIL-88A on MIL-88B hybrid: A promising eco-friendly hybrid from green synthesis to dual application (Adsorption and photocatalysis) in tetracycline and dyes removal
Rabeie, Bahareh; **Mahmoodi, Niyaz Mohammad**