



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:

141



Citations:

100412



Publications:

2584



$\bar{H}_{FM}$: 23.10

FM= Faculty Members

$\bar{Citations}_{FM}$: 2994

Highly-Cited papers	
1	Synthesis of pearlnecklace-like ZIF-8@chitosan/PVA nano fiber 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 (SiO ₂ -GO); fabrication of SiO ₂ -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 1 M 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 ; Mahdavian, M
10	Enhancement of barrier and corrosion protection performance of an epoxy coating through wet transfer of amino functionalized graphene oxide. Ramezanzadeh, B ; Niroomandrad, 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; Mahdavian, M
12	Agarose-based biomaterials for tissue engineering. Zarrintaj, P; Manouchchri, 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-MD/atomic-DFT theoretical and experimental studies on the quince seed extract corrosion inhibition performance on the acidic-solution attack of mild-steel. Shahmoradi, AR; Talebibanbigloo, 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 1 M HCl electrolyte. Shahmoradi, AR; Ranjbarghanei, M; Javidparvar, AA; Guo, L; Berdimurodov, E; Ramezanzadeh, B
17	Clean Laccase immobilized nanobio catalysts (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 <i>Borage</i> 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
23	Poloxamer: A versatile tri-block copolymer for biomedical applications Zarrintaj, Payam; Ramsey, Joshua D.; Samadi, Ali; Atoufi, Ziaheh; Yazdi, Mohsen Khodadadi; Ganjali, Mohammad Reza; Amirabad, Leila Mohammadi; Zangene, Ehsan; Farokhi, Mehdi; Formela, Krzysztof; Saeb, Mohammad Reza ; Mozafari, Masoud; Thomas, Sabu
24	Green and environmentally friendly architecture of starch-based ternary magnetic biocomposite (Starch/MIL100/CoFe₂-O₄): Synthesis and photocatalytic degradation of tetracycline and dye. Rabeie, Bahareh; Mahmoodi, Niyaz Mohammad
25	Rational assembly of mussel-inspired polydopamine (PDA)-Zn (II) complex nanospheres on graphene oxide framework tailored for robust self-healing anti-corrosion coatings application. Habibiyan, Aylin; Ramezanzadeh, Bahram ; Mahdavian, Mohammad ; Bahlakeh, Ghasem; Kasaeian, Mojtaba
26	Formulation and characterization of BBR loaded niosomes using saponin as a nonionic biosurfactant investigating synergistic effects to enhance antibacterial activity. Shiri, Soudeh; Gharanjig, Kamaladin ; Tahghighi, Azar; Hosseinneshad, Mozhgan ; Etezad, Masoud
27	Green synthesis of biopolymer-driven dual functional carboxymethyl cellulose composite (CMC/MIL100(Fe)/MIL88A(Al)) as a Z-scheme photocatalyst and an adsorbent for water pollutants.