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:	Citations:	Publications:
142	102180	2605

$\bar{H}_{FM}$: 23.38

$\bar{C}itations_{FM}$: 3045

FM= Faculty Members

	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 nanoplatforms 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-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; 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***
23	Poloxamer: A versatile tri-block copolymer for biomedical applications *Zarrintaj, Payam; Ramsey, Joshua D.; Samadi, Ali; Atoufi, Zhaleh; 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/CoFe₂O₄): 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;* ***Hosseinnezhad, 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.