

Paper Code	Title / Authors
Nanotechnology (Trends in Materials Development & Applications)	
1011	Innovative Design and Modeling of a Kretschmann Configuration Based SPR Biosensor Using 2D Nanomaterials for AFP Detection A. Khodaie, H. Hasanifar, H. Heidarzadeh*
1025	Synthesis of a pH responsive self healing hydrogel based on chitosan and κ carrageenan for drug delivery application Z. Bolandakhtar, N. Nasirpour*
1063	Tunable Chitosan–TPP Nanogels for Efficient Gene Encapsulation and Protection P. Sabourian*, M. Imani, M. Shamsara, S. Razavi
1082	Efficient Exfoliation of Natural Graphite into High-Quality Graphene Using Ultrasonic Pre-Treatment and Supercritical CO₂/H₂O N. S. Ardestania*, A. S. Dibajia*
1092	Green Synthesis of Fe₃O₄ Nanoparticles Using Calendula officinalis Extract Z. Bolandakhtar, N. Nasirpour*
1117	Nanoarchitecting High-TBN Overbased Calcium Sulfonate: Synthesis, Structural Characterization, and Performance Evaluation for Advanced Lubricant Systems Gh. Moghadam*, A. Mohajer*, Ali. Sadeghi M.
1159	Urocanic-Acid-Modified Mesoporous Nanosilica for Highly Efficient Cadmium Removal from Aqueous Solutions Z. Izadi, F. Abyar*, S. Soltani-Gerdefaramarzi
1163	Removal of Cadmium Ions Using Nanosilica: Adsorption Performance and Surface Characterization Z. Izadi, F. Abyar*, S. Soltani-Gerdefaramarzi
1177	Electrochemical Study of Metal Corrosion Inhibition Using Novel Framework in a Chloride Environment D. Mosayebi, Gh. Bahlakeh*, B. Ramezanzadeh
1185	Evaluation of Green Corrosion Inhibition of Carbon Steel in 3.5 wt.% NaCl Solution Using Electrochemical Approach M. Salamati, Gh. Bahlakeh*, B. Ramezanzadeh
1194	Fabrication of Nickel Thermal Elements via Screen-Printing Method and the Impact of Chromium and Silicon Carbide as Additives A. Asadzadeh Barzi, B. Khoshandam*
1224	Electrospinning Feasibility of Polysaccharides from Cordia myxa Fruit Using Polyvinyl Alcohol as a Carrier Polymer: Observations from Macroscopic Process Analysis A. R Keshvari, R. Azin*, S. Osfour, S. Zaeri
1251	Investigation of the Operational Properties of Fuel Based on Metal Oxide Nanoparticles for Improving Gasoline Octane M. Ramezani, A. Dashtbozorg, M. Shanbedi*
1328	Designing Fiber-Supported Uio-66-NH₂ MOFs on PVA/SA Fibers via In-Situ Growth in the Presence of a Guest Molecule S. Faraji, H. Salimi-Kenari*, S.R. Nabavi, H. Adeli
1367	Toward Versatile Precious Metal-Free Electrocatalysts: Comparative Performance across Desulfurization, Chlorine Evolution, and Nitrate Reduction Sh. Karimghasemi, E. Yaghmaei, R. Talebian, S. Habibzadeh*
1405	Comprehensive Review and Analysis of the Role of Nanoparticles in Improving Drilling Fluid Performance and Reducing Wellbore Problems M. Nejatkhah, B. Mirzayi*
1413	Preparation, Characterization and Photocatalytic Activity of Cobalt Oxide (Co₃O₄) Nanoparticles Sh. Dabaghi*, R. Parichehreh
1448	Effect of Chitosan Coating on the Physicochemical Stability of Nanoliposomes Prepared by Ethanol Injection Z. Pourisaotaghvary, R. Shaygan, A. H. Rezayan*, H. Alvandi

Paper Code	Title / Authors
Nanotechnology (Trends in Materials Development & Applications)	
1461	Dynamic and Stimuli-Responsive Metal–Organic Framework: Comparative Insights into MIL-101(Fe) for Triggered Drug Delivery S. Angoshtari, A. Nematolahzadeh*
1468	Functionalization of carbon nanotube with amino acid-based moieties via diazonium coupling for drug delivery application S. Rajabi-Kooshe, A. Fallahi Serish, A. Kazemi-Beydokhti*, Z. Mokhtari Hosseini
1475	The Importance of Pentafluorophenyl Acrylate in pH-Responsive Smart Copolymers for Targeted Drug Delivery Applications F. Ardalani, A. Kazemi-Beydokhti*
1492	Preparation of polymeric nanomicelles based on polyethylene glycol for redox-responsive drug delivery to cancer tissue A. H. Sharafkhani, F. Ganji*
1560	Synthesis and Performance Evaluation of CuO–NiO Nanocatalyst Supported on Activated Carbon for Oxidative Desulfurization of Gas Oil M. Zarei, H. Hashemipour*, H.R. Bagheri, A. Dini
1595	Computational study of sensing behavior and adsorption of H₂S gas on the surface of bis(iminothiolitho)rhodium M. Esfahani, Z. Tavangar*
1598	Physicochemical Characterization of PEG-AZO-CUR and HA-ALN-C12 Mixed Nanomicelles Systems for Drug Delivery Applications A. Farahani, F. Ganji, H. Shaki
1606	Fabrication of Gelatin-Based Microgel for Tissue Engineering A.Mirzaei, A.Solouk*, H.Mirzadeh, M.Farokhi
1619	Synthesis and Characterization of Superhydrophobic Cobalt oxide Nanostructures E.Velayi*, R.Abdollahzadeh, B. Nouri
1621	In Vitro Antileishmanial Activity of Zataria multiflora and Thymus vulgaris Essential Oils Against Leishmania major K. Karimi, A. Fallahi-serish, A. Kazemi-beydokhti*, A. Pouryousef*
1745	Computational investigation of the interaction of CO₂ and CO gas with the χ6 borophene surface M. Esfahani, Z. Tavangar*
1789	Synthesis and Characterization of Baghdadite Nanoparticles via a Modified Sol–Gel Route S. Masjed Soleyman Z., A. Kargari, A. Naderifar
1860	Nucleation and Growth Evolution during the Formation of Faujasite-type Y Zeolite S. Yarmohammad T., S. Tarighi, A. Rahmani Fard, A. Fazli, S. Habibzadeh*
1918	Fabrication of magnetic graphene-based epoxy nanocoatings with nickel and cobalt nanoparticles for industrial applications A. Abri*, K. Abri, T.Saeedi
1975	Thermal Transport Enhancement in Fe₃O₄@GO Nanofluids: Hybridization Mechanism and Predictive Modeling F. Zakeri*, M. R. Sarmasti Emami, H. Nourbakhsh
2080	Facile Ultrasound-Assisted Fabrication of Dy₂Ce₂O₇ Nanobundles for Purification of Contaminated Water Sahar Zinatloo-Ajabshir
2081	Facile and green combustion fabrication of dysprosium cerium oxide-based nanopowders for the treatment of water contaminated with organic pollutants Sahar Zinatloo-Ajabshir