

Paper Code	Title / Authors
Environmental Engineering	
1012	Process Intensification of CO₂ Absorption: Quantifying the Effects of Rotation in an Arc-RPB Reactor with Aqueous NaOH M. Ilka, A. Heidari*
1031	Coagulation Efficiency of Polyaluminum Chloride and Ferric Chloride in the Treatment of Sand Filter Backwash Water Sh. Abodzadeh, M. Elyasi Kojabadi*
1038	Synthesis of a Catalytic Support Based on Bentonite Functionalized with Graphene Oxide for Adsorption of Organic Pollutants from Industrial Wastewater A. Rahro, A. R. Salimi Beni*, H. R. Rajabi
1045	Solar-Simulated Photodegradation of Quinolone Antibiotic-Laden Wastewater Using a Microwave-Induced Bismuth Titanate Photocatalyst M. Alizadeh, M. Haghighi*, M. Shabani
1076	Synthesis of carbon nitride (g-C₃N₄) with improved photocatalytic activity for removal of dye from wastewater under visible light irradiation B. Taheri, M. Jamshidi*, M. Derikvandi
1077	A Cost-Effective La₂O₃@TiO₂/g-C₃N₄ Heterojunction with Enhanced Visible-Light Photocatalytic Performance H. Rezaei, Sh. Sharifi, M. Farajpour Mojdehi, M. Raghebi, M. Abbasi, Z. Shamms Ghamsari, H. Sayahi*
1086	Bismuth Subcarbonate Nanophotocatalyst: Sono-Hydrothermal Route and Norfloxacin Remediation S. Rezaei, M. Haghighi*, M. Shabani
1093	Photodeposition of copper on NiAl₂O₄/graphene nanocomposite for photocatalytic treatment of ciprofloxacin effluent E. Pazdar, A. Ebrahimian Pirbazari*, F. Esmaeili Khalil Saraei
1100	Heavy Metal Remediation by Spirulina immobilized on Magnetic Nanoparticles K. Imani, A. Habibi*, S. Azar
1102	Potassium Bismuth Oxide Iodide/Bismuth Oxide Decorated with Silver Bromide: Remarkable Photocatalytic Degradation of Rhodamine B Z. Shadmand, M. Haghighi*, J. Rahbar Shahrouzi, M. Shabani
1108	Fabrication ZnO/chitosan bionanocomposite for improvement photocatalytic treatment of tetracycline effluent F. Sharifi Jafarabadi, A. Ebrahimian Pirbazari*, F. Esmaeili Khalil Saraei
1123	Simple Combustion Synthesis of Polyhedral ZnO Nanostructure: Light-Induced Photocatalytic Treatment of Rhodamine B-Contaminated Synthetic Effluent L. Hashemi, M. Haghighi*, M. Shabani
1124	Sono-Precipitation Design of AgI/SiO₂ Nanophotocatalyst: Efficacious Solar Light-Responsive Photodegradation of Persistent Dye Contaminant Sh. Mokhtari Fateh, M. Haghighi*, M. Shabani
1125	Life Cycle Assessment of Sustainable Aviation Fuel Production from Refinery Flue Gas CO₂ via Methanol and Electrochemical Reduction Pathways F. Shahhosseini, A. Hemmati*
1129	Removal Ethylene Dichloride from EDC Unit Wastewater in Petrochemical Industries by Electrofenton Method I. Nozari*, M. Roghani
1133	Optimization of Orange-G dye removal by swirling jet-induced cavitation reactor A. Nasiri, M. Soleimani*
1134	Designing Photovoltaic-powered Electrodialysis for Clean Water Production in Arid Regions: The Case of Zahedan, Iran A. H. Khatibi, S. Habibzadeh*
1149	Effect of glutaraldehyde cross-linking dose on adsorption performance and stability of Fe₃O₄-SiO₂-Chitosan microspheres for As(V) removal in acidic water Z. Hashemi Jorshahri, A. Akbari*
1154	Removal of Industrial Dyes from Aqueous Solutions by Phosphoric Acid-Modified Activated Carbon M. Dorosti, A. Akbari*

Paper Code	Title / Authors
Environmental Engineering	
1156	Application of Fenton Process for COD Removal from Ethylene Dichloride (EDC) Wastewater with Reduced Sludge Generation I. Nozari*, M. Roghani, Y. Farahbakhsh
1176	OMW and It's Concerns A. M. Varagh, F. Saffari, M. H. Sarraf Zadeh*
1203	Evaluation of a Mixed-Bed Ion Exchange Resin for Seawater Desalination M. Javadi Azad, M. Bonyadi*
1240	The role of smokeless flaring in air pollution reduction B. Moridi, S. M. Mousavi*, K. Ghozhmani
1245	Sustainable production of calcium carbonate from alkaline solid waste via CO₂ utilization Zahra Sarkarpour, Azadeh Hemmati*
1247	Boosting visible light photocatalytic activity towards the degradation of tetracycline by solvothermal growth of CdS on TiO₂ nanosheets Amir mohammad Anajafi Marzijarani, Azadeh Ebrahimian Pirezari*, Fatemeh Esmaeili Khalilsaraei
1278	Tailored Biochars from Agricultural Wastes for Efficient Cationic/ Anionic Dye Removal M. A. Aslanzadeh, A. Tavakoli*, M. Ghazaghoni
1287	Investigation of pH Effect on Textile Waste water Treatment via Advanced Electrochemical Oxidation Utilizing PbO₂ Anodes A. Bagheri, A. Karimirahnama, M. Mazaheri, M. Mozaffarian*, M. Karimi, M. Rezaei
1290	Evaluation of CO₂ Adsorption Properties of a Synthesized Porous Organic Polymer Using CO₂ BET Measurement Seyed Mahdi Mejmarijan Esfahani, Nahid Khandan*, Yasamin Bide
1308	Life-Cycle Assessment of Cascade Distillation Columns with and without Heat Integration Taraneh Mostofian, Shohreh Ebrahimi, Maryam Noori Keshtkar*
1318	Reducing the Effects of 22 Adverse Environmental Phenomena by Separating a Quinary Mixture Using a Novel Hybrid Heat Integration Method Parmis Eshaghi*, Mohaddeseh Shahbahrami
1342	Application of hydrodynamic cavitation process for COD removal from industrial oily wastewater Hamideh Sardarabadi, Mansooreh Soleimani*, Behnam Kaviani, Farzad Khosravian Hemami, Mojtaba Fardafshari
1345	Reducing Environmental Impacts of Ternary Distillation via Compressor-Free Heat Integration Nargess Eyvazi-Abhari*, Sayna Rahbari, Melika Esperí
1369	Evaluating Bottom Flashing and Vapor Recompression Methods: Life Cycle Assessment, Energy Reduction, and Economic Analysis for Natural Gas Sweetening Process Nargess Eyvazi-Abhari, Sayna Rahbari*, Melika Esperí, Samira Ahmadi, Fateme Ezati Kamkar, Hanieh Asvadi
1376	Photocatalytic Degradation of Tetracycline by Iranian Natural Dolomite Photocatalyst Z. Kouzehgar, R. Alizadeh*
1386	Green and modern purification of water and wastewater contaminants employing graphene nanocomposite superabsorbents A. Abri*, K. Abri
1395	Pb²⁺ Removal from Wastewater Using MAPA-Modified Poly(acrylic acid) Hydrogel M. Taheri, M. Vesali Naseh*, A. Sabzevari
1402	Simulation of an Industrial-Scale Blue Methanol Production Using Chemical Looping Reforming M. Ashrafi, M. Didari, R. Ghoroghi, M. Rahmani*
1407	Green Ammonia Production Using Water and Air N. Ebadi, N. Tahouni*, M. H. Panjeshahi
1410	Optimizing Hydrogen Production in Chlor-Alkali Complexes Using Green Productivity and Material Flow Cost Accounting R. Akhari, M. Daryani, M. M. Malek Mohammadi, E. Fatehifar*
1433	Synthesis of iron(II)-copper(II) co-doped carbonaceous aerogel as a cathode in electro-Fenton-like system and investigate its performance in degradation of cefazolin and methyl orange from wastewater F. Shirzadi, M. Samadi, M. Zarei*

Paper Code	Title / Authors
Environmental Engineering	
1436	An In-Depth Analysis of Recent Progress in Membrane Distillation for Seawater Desalination and Industrial Wastewater Treatment S. Jaberzadeh*, B. Moghtaderi
1444	Removal of Congo Red Dye from Aqueous Solutions Using Sulfuric Acid-Modified Biochar Synthesized from Mountain Ben Y. Yari, T. Kikhavandi*, Y. Ahmadi
1460	Synthesis and Evaluation of Peanut Shell Biochar/Zn–Co Layered Double Hydroxide Composite for Methylene Blue Removal F. Pezeshki Modarres, A. Tavakoli*, M. Neishabouri
1467	Synergistic Effect of CuBi₂O₄/Bi₂WO₆ Heterojunction on Visible-Light Tetracycline Degradation M. Babaei, S. R. Shabani*, Gh. Dashtpeyma, M. Nikzad
1504	Dual-Function Magnetic Spinel NiFe₂O₄ for Efficient Adsorptive and Photocatalytic Removal of Ciprofloxacin from Wastewater R. Taravati, R. Akbari Sene*, F. Rahmani, E. Mehrjoo
1509	Carbon Dioxide Emission Mapping of Iran's Hydrogen-Based Industries A. Hamed, K. Hanifi, S. Haghighat Pajoo, S. A. H. Hejazi*
1513	Enhanced Adsorption/Photocatalytic Degradation of Ciprofloxacin Using ZnFe₂O₄/Graphitic SiC Nanocomposites M. Sedighi, A. R. Solaimany Nazar*, M. Farhadian, R. Alivand
1514	A comparative study of Bi₂WO₆/ZIF-67 and BiVO₄/ZIF-67 for tetracycline adsorption and photodegradation A. Jamshidian, M. Mohammadi, Z. Esmaeili, M. Farhadian, A.R. Solaimany Nazar*
1533	A Study on ZIF-67 as a Promising Adsorbent for Pb²⁺ removal from Water Sources S. Sharifipour, A. Akbari*, F. Yazdani
1541	Visible-Light Photocatalytic Degradation of Methylene Blue Using a Novel Bi₄O₅Br₂/Bi₂S₃ Heterojunction Composite H. Fattahian, M. Nikzad*, A. A. Ghoreyshi
1550	Steel industry by-products as adsorbents for wastewater treatment M. Nateghi, A. R. Solaimany Nazar*, M. Farhadian
1557	Synthesis and Adsorption Performance Evaluation of Flower-Like Mg–Al LDH for the Removal of Methyl Orange A. Gholizadeh, M. Tahmasebpour*
1609	Continues photocatalytic degradation of tetracycline using ZIF- 67 in a fixed bed photoreactor under visible light irradiation M. Sabetin, F. Aminsharei b*, M. Farhadian, H. Abbastabar Ahangar
1657	Enhanced Mineralization of an Equimass Four-Antibiotic Mixture over a g-C₃N₄/NH₂-MIL-101(Cr) Heterojunction under Visible/UVA Irradiation A. Gordanshekan, S. Arabian, S. Safaei, A. Tamimzadeh, S. Abaei, M. Mirzaeian, O. Tavakoli*, S. Tangestaninejad, A. R. Solaimany Nazar, M. Farhadian
1676	Sustainable Photocatalytic Platforms Based on Chitosan and Ag-Doped TiO₂ for Efficient Methylene Blue Removal E.Kh. Karimi, A. Amjadi*, F. Arabpour Roghabadi, S. Alipour
1686	Enhanced Dye Removal Using TBAB-Functionalized Acrylate Hydrogel: Synthesis, Characterization, and Adsorption Performance Z. Rouhi, A. Sabzevari*, M. Vesali Naseh
1718	Modification of Bi₂WO₆ with ZIF-8 and ZIF-67 for Enhanced Photocatalytic Degradation of Metronidazole: Influence of Irradiation Type and Intensity on Optimization of Mass Ratios of the Components Sh. Arabian, A. Gordanshekan, M. Mirzaeian, A. Tamimzadeh, S. Safaei, S. Abaei, O. Tavakoli*, Sh. Tangestaninejad, M. Farhadian, A. R. Solaimany N.
1721	Assessment of Nitrogen-Rich Wastewater Treatment Using a Trickling Filter–Based Bioreactor S. A. Torabi, Gh. Khayati*, H. Asadi
1741	Comparative Evaluation of Tetracycline Removal Using Acid/Base-Ion Exchange Treated Clinoptilolite Adsorbents A. Soltani, F. Rahmani*, R. Akbari Sene

Paper Code	Title / Authors
Environmental Engineering	
1756	Magnetic and Cost-Effective Spinel (Mg, Co, Ni) Ferrite- Natural Zeolite Adsorbents for Efficient Pharmaceutical Wastewater Treatment A. Soltani, R. Akbari Sene*, F. Rahmani
1761	Hybrid Electrocoagulation–Natural Coagulation for Paper Recycling Wastewater Treatment Using Malva sylvestris Mucilage as a Green Coagulant Aid M. Farokhara, L. Ooshaksaraei, F. Shariati Feizabadi*, A.R. Pendashteh
1762	Simulation of Direct Carbon Dioxide Adsorption from Air by the TVSA Process A. Navid, A. Farzi*
1777	Biodegradation of Pharmaceutical Contaminants by White-Rot Fungi Under Heavy Metal Stress R. Karimi, Z. Ghobadi Nejad, S. Yaghmaei*
1783	Study of methods for removing heavy metals from urban and industrial wastewater Via statistical analysis A. Karimi*, S. Kazemi, S. Alipour
1786	Single-component remediation of methylene blue and malachite green dyes from aqueous solution by hydrophilic silica aerogel M. Taheri, M. Abbaspour, JS. Moghaddas*
1795	Energy-Environmental Trade-Offs in Heat-Integrated Pressure-Swing Extractive Distillation: An LCA Study M. Tabarestani, Z. Parviz, Z. Hooshangi*
1806	Electrochemical Performance Investigation of an Enhanced Copper-Based Catalyst for CO₂ Reduction S. Anzani*, A. Akbari, M.R. Omidkhah
1816	Comparative assessment of MLD and ZLD desalination systems under Persian Gulf conditions: Energy, cost and environmental implications M. Mirzadeh, M. Bahadorian, M. R. Omidkhah*
1850	Synthesis of a semi-IPN CMC-g-(AAM)/PVA hydrogel adsorbent for efficient removal of the cationic dye Malachite Green from aqueous solution Hamzeh Khatooni*, Akram Tavakoli
1859	Process Simulation of Integrated Pyrolysis and Hydrometallurgical Treatment for Upcycling of Printed Circuit Boards Using SuperPro Designer P. Asadi, M. R. Zeinolabedinpour, F. Fotovat*
1921	Evaluation of Tetracycline Removal from Contaminated Water Using Fe₂WO₆/g-C₃N₄ Binary Composite M. S. Mousavi, Z. Heydarshahi, M. Farhadian*, A.R. Solaimany Nazar
1967	Application of Material Flow Cost Accounting for Waste Reduction and Cost Optimization in an Industrial LDPE Unit M. M. Malek Mohammadi, M. Fartash, R. Akhari, M. Daryani, E. Fatehifar*
1972	Numerical Analysis of Solar Chimney Performance for Carbon Dioxide Management of Indoor Air Quality M. Daryani*, N. Ivanovich Vatin, Gh. Izadi, S. Mousazad, R. Akhari, M. M Malek Mohammadi
2035	A comparative study on degradation of Ofloxacin and Metronidazole via hybrid advanced oxidation process based on hydrodynamic cavitation and Chloramine-T Kimia Nadiri, Soroush Baradaran*
2085	Techno-Economic Evaluation of Micro-Nano Bubble Ozonation for Refinery Wastewater Treatment and Plasma Regeneration of Spent Activated Carbon: A Pilot-Scale Study M. M.Bayati, A. Fakhrolmobasheri, K. Mokaffa, M. Motavassel*