

Curriculum Vitae

Mir Saeed Seyed Dorraji

I am currently a professor working in Applied Chemistry Research Laboratory, Department of Chemistry, Faculty of Science, at the University of Zanjan, Iran. I received my Ph.D. from the University of Tabriz in 2013. My primary research interests include:

- ✓ Nanostructured Materials and Nanocomposites
- ✓ Photocatalysis and Advanced Oxidation Processes
- ✓ Membrane Technology and Water Treatment
- ✓ Functional Polymer Nanocomposites
- ✓ Coatings and Functional Films
- ✓ Modeling and Optimization of Chemical Processes
- ✓ Electrochemical Materials and Energy Applications



Personal Data:

Name	Surname	Date of Birth	Nationality	Sex	Marital Status
Mir Saeed	Sayed Dorraji	1982-07-20	Iranian	Male	Married

Telephone	Fax	E-mail
+98 24 33052477 +98 9143614894	+98 24 33052477	dorraji@znu.ac.ir saeed_dorraji@yahoo.com

Educational Background:

Certificate Degree	Field of Specialization	Name of Institution Attended	Date Received
Ph.D.	Applied Chemistry	University of Tabriz	2013
M. Sc.	Applied Chemistry	University of Tabriz	2007
B.A.	Applied Chemistry	University of Tabriz	2005

Title of Theses:

Title of Ph.D. Thesis:

Preparation of nanostructured fibers of polyaniline and chitosan using wet spinning and investigation of characterizations and applications

Title of Master Thesis:

Preparation of Zinc oxide Nanoparticles and Investigation of Photocatalytic Properties of ZnO Nanoparticles in Treatment of Contaminated Water to Organic Materials by UV/ZnO Process

Publications:

A: Books

Title	Authors	Publisher	Date of Publication
Book Chapter: Synthesis and processing methods of rubber nanocomposites in: Smart Rubber Nanocomposites	Elham Mohammadi, Mir Saeed Seyed Dorraji , Maryam Gholami	Woodhead Publishing	2026
Book Chapter: Homogeneous polymerization with metallocene catalysts in: Homogeneous Polymerization and Oligomerization Reactions	Elham Mohammadi, Mir Saeed Seyed Dorraji , Seyed Jamal Tabatabaei Rezaei, Ali Ramazani	Elsevier	2025
Book Chapter: 2D Metals for Biomedical Applications in: 2D Metals: Fundamentals, Emerging Applications, and Challenges	Elnaz Fekri, Mir Saeed Seyed Dorraji	CRC Press	2024
Book Chapter: Magnetic Hydrogel: Biomedical Aspects in: Biomaterial-based Hydrogels: Therapeutics Carrier and Tissue Regeneration	Arezoo Hajiahmadi, Elnaz Fekri, Mir Saeed Seyed Dorraji	Springer	2024
Book Chapter: Oxalate and oxalic acid production from CO ₂ in: Advances and technology development in greenhouse gases: emission, capture and conversion	Elham Mohammadi, Mir Saeed Seyed Dorraji , Ali Ramazani, Seyed Jamal Tabatabaei Rezaei	Elsevier	2024
Book Chapter: Biopolymers for Coatings in: Bio-Based Polymers: Farm to Industry. Volume 2: Current Trends and Applications	Maryam Azizi, Mortaza Rastgar, Mir Saeed Seyed Dorraji	American Chemical Society	2024

Book Chapter: Intrinsically conducting polymer-based nanocomposite aerogels for electromagnetic interference shielding in: Porous Nanocomposites for Electromagnetic Interference Shielding	Seyyede Fatemeh Hosseini, Mir Saeed Seyed Dorraji	Woodhead Publishing (Elsevier)	2024
Book Chapter: Conducting polymer/carbonaceous nanocomposite systems for antistatic application in: Polymeric Nanocomposites with Carbonaceous Nanofillers for Aerospace Applications	Seyyede Narges Saeedi Shiva Mohajer Gita Firouzan Mir Saeed Seyed Dorraji	Woodhead Publishing (Elsevier)	2023
Book Chapter: Polymeric Materials for Hydrogen Storage in: Polymers in Energy Conversion and Storage	Seyyede Fatemeh Hosseini Shiva Mohajer Mir Saeed Seyed Dorraji	CRC Press	2022
Hollow Fibers and Nanofibers in Membrane Science: Preparation, Characterization, and Applications	Edited by Alberto Figoli Mir Saeed Seyed Dorraji Francesco Galiano	Taylor and Francis (Jenny Stanford Publishing)	2022
Book Chapter: Preparation and Characterization of Inorganic Hollow Fibers in: Hollow Fibers and Nanofibers in Membrane Science: Preparation, Characterization, and Applications	Soudeh Almaie, Mir Saeed Seyed Dorraji Hoda Daneshvar	Taylor and Francis (Jenny Stanford Publishing)	2022
Book Chapter: Preparation and Characterization of Mixed Matrix Hollow Fibers in: Hollow Fibers and Nanofibers in Membrane Science: Preparation, Characterization, and Applications	Hoda Daneshvar Mir Saeed Seyed Dorraji	Taylor and Francis (Jenny Stanford Publishing)	2022
Book Chapter: Waterborne Polyurethanes for Self-Healing Applications in: Eco-Friendly Waterborne Polyurethanes	Masoumeh Kianfar, Shiva Mohajer, Mir Saeed Seyed Dorraji	CRC Press	2022

Book Chapter: Lignin nanoparticle reinforced phenolic foams in: Phenolic Based Foams	Masoumeh Kiyanfar, Hoda Daneshvar, Seyyede Fatemeh Hosseini, Mir Saeed Seyed Dorraji	Springer	2022
Book Chapter: Nano silica reinforced phenolic foams in: Phenolic Based Foams	Seyyede Fatemeh Hosseini, Masoumeh Kiyanfar, Hoda Daneshvar , Mir Saeed Seyed Dorraji	Springer	2022
Book Chapter: Application of nanotechnology in drinking water purification In: Water Purification	A. Figoli, M. S. Seyed dorraji, A.R. Amani-ghadim	Academic Press	2017
Book Chapter: Biosorbent materials and membranes for the treatment of toxic ions from water In: Membrane Technologies for Water Treatment: Removal of Toxic Trace Elements with Emphasis on Arsenic, Fluoride and Uranium	Mir Saeed Seyed Dorraji, Vahid Vatanpour, Abdolreza Mirmohseni	CRC Press	2016
Book Chapter: Organic–inorganic composite membrane preparation and characterization for biorefining In: Membrane Technologies for Biorefining	M.S. Seyed Dorraji, V. Vatanpour	Woodhead Publishing	2016
Applied Chemistry Book (for Undergraduate Students written in Persian)	V. Vatanpor A.R. Khataee M.H. Rasoulifard Mir Saeed Seyed Dorraji	Noavaran Sharif	2013

Publications are available on

https://scholar.google.com/citations?user=PqK-s_wAAAAJ&hl=en

<http://www.znu.ac.ir/members/dorraji-saeed/en>

B: Papers

Title	Journal Name	Volume (Year) Page No.	Authors
Experimental evaluation and process optimization of furfural-assisted liquid–liquid extraction of aromatics from real heavy naphtha	Microchemical Journal	228 (2026) 119071	Talib M Albayati, Ahmed Mahdi Roomi, Abdul Mun'em A Karim, Mir Saeed Seyed Dorraji , Parvaneh Nakhostin Panahi, Rahmatollah Pourata
Controlled Quer Delivery via a Castor Oil-Based Semi-Dendrimer Polyurethane Hydrogel Preserves Post-Thaw Human Sperm Function	Materials Today Communications	54 (2026) 115691	Zahra Khoshbakht, Hamid Reza Ashjari, Elham Hosseini, Seyedeh Neda Mousavi, Mir Saeed Seyed Dorraji
A systematic comparative study on functional advancement of polyethersulfone membranes utilizing MA-MMA copolymer, Ag NPs, Ag–2MI, and Graphite/Ag-2MI nanohybrid composites	Journal of Water Process Engineering	88 (2026) 110219	Seyed Jafar Mousavi, Mir Saeed Seyed Dorraji , Mohammad Hossein Rasoulifard
BiOX nanosheets as non-selective visible-light photocatalysts for rapid degradation of diverse contaminants: A comparative study of BiOCl, BiOBr, and BiOI	Solid State Sciences	177 (2026) 108331	Mehdi Ahmadi, Mir Saeed Seyed Dorraji , Mohammad Hossein Rasoulifard, Ismael Hajimiri
Preparation of Thermally Citric Acid Cross-Linked Poly (Vinyl Alcohol)/Carboxymethyl Tragacanth Nanofiber as Boosted Superabsorbent via Electrospinning Technique	Journal of Polymers and the Environment	34 (2026) 85	Nima Mahmoodi, Payam Veisi, Mir Saeed Seyed Dorraji
2D CuO nanosheets anchored on 3D TiO ₂ @Ti ₃ C ₂ Schottky/S-Scheme heterostructure for enhanced photocatalytic degradation of antibiotic Cefazolin and H ₂ evolution	Surfaces and Interfaces	90 (2026) 108915	Mohammad Reza Jabbari, Mohammad Hossein Rasoulifard, Mir Saeed Seyed Dorraji , Seyyede Fatemeh Hosseini

Development of bio-based polyurethane composite adhesives derived from castor oil and epoxidized soybean oil polyols: Influence of fumed silica and chain extender on strength, stability and wettability	Industrial Crops and Products	241 (2026) 122798	Mahsa Ghasemlou, Mir Saeed Seyed Dorraji , Fatemeh Dodangeh, Hamid Reza Ashjari
Engineering a Pulsed UVA-LED/Persulfate System Guided by Parrondo's Paradox for Efficient Degradation of Emerging Pharmaceutical Pollutants and Electrical Energy Optimization	Industrial & Engineering Chemistry Research	65 (2026) 2493	Gita Firouzan, Mohammad Hossein Rasoulifard, Mir Saeed Seyed Dorraji , Ismael Hajimiri
Enhanced H ₂ generation and halogenated-dye degradation over cyano-rich 2D g-C ₃ N ₅ /0D ZnO quantum dots/hematite-rich ore nanocomposites via double S-scheme charge separation mechanism under visible-light irradiation	Journal of Water Process Engineering	81 (2026) 109296	Abdolreza Tarighati Sareshkeh, Mohammad Hossein Rasoulifard, Mir Saeed Seyed Dorraji
Flame-retardant self-healing polymers: a review	Journal of Polymer Science	63 (2025) 5291	M Kianfar, H Ipakchi, S Mohajer, MH Rasoulifard, MS Seyed Dorraji , DB Louaguef, Seitkhan Azat, Mohammad Reza Saeb, Henri Vahabi
Boosted H ₂ production and Tetracycline mineralization over 2D/0D/2D nanocomposite of P-doped g-C ₃ N ₅ @ Co ₃ O ₄ QDs/N-modified Fe ₂ (MoO ₄) ₃ /Ti ₃ C ₂ via Schottky-modified S-Scheme charge separation mechanism under visible-light illumination	Journal of Alloys and Compounds	1048 (2025) 185112	Abdolreza Tarighati Sareshkeh, Mohammad Hossein Rasoulifard, Mir Saeed Seyed Dorraji
Spinel-Reinforced Waterborne Polyurethane Coatings: Dual Near-Infrared-Induced Self-Healing and Efficient Microwave Absorption	ACS Applied Polymer Materials	7 (2025) 15394	Shiva Mohajer, Mir Saeed Seyed Dorraji , Mohammad Hossein Rasoulifard, Ismael Hajimiri
Enhanced photocatalytic degradation of organic pollutants using a TiO ₂ -clay nanocomposite in a rotary photoreactor with experimental and theoretical insights	Scientific Reports	15 (2025) 38193	Seyedeh Narges Saeedi, Mohammad Hossein Rasoulifard, Mir Saeed Seyed Dorraji , Hamed Douroudgari, Negar Sehati

Fabrication of novel silver-based metal-organic frameworks incorporated mixed matrix microfiltration for antibacterial and hydrophilicity remediation	Inorganic Chemistry Communications	180 (2025) 114937	Seyed Jafar Mousavi, Mir Saeed Seyed Dorraji , Mohammad Hossein Rasoulifard, Leila Ghalamchi
Enhanced artificial nitrogen fixation into ammonia via CNT-modified BiFeO ₃ -TiO ₂ heterojunction	Fuel Processing Technology	275 (2025) 108256	Elnaz Fekri, Mir Saeed Seyed Dorraji, Morteza Vahedpour
Influence of Layered Double Hydroxides (LDHs) Intercalated with Glycine on Antibacterial and Mechanical Properties of Waterborne Polyurethane-Based Films for Food Packaging	Journal of Polymers and the Environment	33 (2025) 3864	Abdulrahim Rahimi, Mir Saeed Seyed Dorraji , Samaneh Barzegari, Maryam Azizi, Mortaza Rastgar
Sr ₂ FeMoO ₆ perovskite/Ti ₃ C ₂ MXene nanostructures toward photo-curable epoxy acrylate coatings with enhanced microwave absorption and thermal properties	Applied Materials Today	44 (2025) 102750	Arezoo Haji Ahmadi, Mir Saeed Seyed Dorraji , Seyyedeh Fatemeh Hosseini, Maryam Azizi, Mortaza Rastgar, Mohammad Hossein Rasoulifard, Denis N Karimov
Synergistic photothermal conversion and visible-light photodegradation of antibiotic in S-type TiO ₂ derived Ti ₃ C ₂ -MXene loaded on NaYF ₄ : Tm ³⁺ , Er ³⁺ , Yb ³⁺ @ BiOI	Journal of Science: Advanced Materials and Devices	10 (2025) 100851	Seyyedeh Fatemeh Hosseini, Mir Saeed Seyed Dorraji , Shiva Mohajer, Seydeh Narges Saeedi, Masoumeh Kianfar, Alexandr V Koshelev, Nataliya A Arkharova, Denis N Karimov
A highly reproducible and scalable approach to the synthesis of multishell sodium-heavy rare earth fluoride nanoparticles with an optimized cationic composition	Ceramics International	51 (2025) 16559	AV Koshelev, VM Korshunov, VV Artemov, NA Arkharova, IV Taydakov, MS Seyed Dorraji , DN Karimov
S-scheme heterojunction of MoO ₃ nanobelts and MoS ₂ nanoflowers for photocatalytic degradation	Scientific Reports	15 (2025) 10789	Mohammad Mahdi Rezaei, Mir Saeed Seyed Dorraji , Seyyedeh Fatemeh Hosseini, Mohammad Hossein Rasoulifard

Bi ₂ MoO ₆ /g-C ₃ N ₄ /CNT ternary nanocomposite solar energy material for boosting photocatalytic H ₂ evolution and N ₂ fixation to ammonia	Solar Energy Materials and Solar Cells	281 (2025) 113315	Elnaz Fekri, Mir Saeed Seyed Dorraji , Morteza Vahedpour
Protective effect of quercetin loaded on bifunctional periodic mesoporous organosilica against damage induced by irradiation on the male reproductive system	Journal of Materials Science: Materials in Medicine	36 (2025) 9	SF Mirtaheri, SN Mousavi, Z Abdi, E Hosseini, MS Seyed Dorraji , F Kabiri Esfahani, M Gholami
Synergistic Effects of PAN/GO@SnO ₂ Nanofiber Composite Electrodes for High-Performance Electrochemical Hydrogen Storage	Energy & Fuels	38 (2024) 23792	Ziba Parvizi, Maryam Shaterian, Mir Saeed Seyed Dorraji , Shiva Mohajer, Ali Mohammadi-Ganjgah, Shabnam Yavari
Synthesis and application of Aromatic Schiff base waterborne polyurethane as visible-light triggered self-healing polymer and anticorrosion coating using h-BN/GO/NiO nano-composite	Polymer Testing	141 (2024) 108649	Masoumeh Kianfar, Mir Saeed Seyed Dorraji , Mohammad Hossein Rasoulifard, Alireza Rahimi, Sohrab Rahmani
Exploiting the efficiency of narrow band gap S-doped g-C ₃ N ₄ /Expanded Perlite/Red Ocher nanocomposite for high-level eliminating halogenated dye in Cool-White-SMD/H ₂ O ₂ system	Journal of Alloys and Compounds	1005 (2024) 175822	Abdolreza Tarighati Sareshkeh, Mohammad Hossein Rasoulifard, Alireza Abdi, Mir Saeed Seyed Dorraji , Seyyedeh Fatemeh Hosseini
The influences of Keggin-type H ₃ PW ₁₂ O ₄₀ nanostructure on Polyurethane microfiltration membrane to reinforce screening organic pollutants from wastewater	Journal of Industrial and Engineering Chemistry	137 (2024) 338	Saviz Shafiei Kamel, Mir Saeed Seyed Dorraji , Abdolreza Tarighati Sareshkeh, Mohammad Hossein Rasoulifard, Farhad Kabiri Esfahani, Zohreh Mohammadi
The role of Zinc Molybdate in the anticorrosion and antibacterial characteristics of sustainable polyurethane coating derived from epoxidized soybean oil	Industrial Crops and Products	216 (2024) 118771	Parto Sadat Naeini, Mir Saeed Seyed Dorraji , Mortaza Rastgar, Maryam Azizi, Fatemeh Daei

Outstanding performance of flower-like NiO nanostructures in epoxied soybean oil-based polyurethane nanocomposite coatings: investigation of anticorrosion and antibacterial properties	Colloids and Surfaces A: Physicochemical and Engineering Aspects	692 (2024) 133943	Fatemeh Daei, Mir Saeed Seyed Dorraji , Maryam Azizi, Mortaza Rastgar, Parto Sadat Naeini
Peculiarities of the Synthesis of LiRF ₄ Nanoparticles (R = Er–Lu) by High-Temperature Coprecipitation and Their Photoluminescent Properties	Crystallography Reports	69 (2024) 239	AV Koshelev, VV Artemov, NA Arkharova, MS Seyed Dorraji , DN Karimov
Preparation of mixed matrix self-cleaning membrane incorporated by Z-scheme heterostructure via robust engineering in terms of dimension for decreasing cake fouling in a cross-flow reactor	Chemosphere	352 (2024) 141526	Payam Veisi, Mir Saeed Seyed Dorraji , Mohammad Hossein Rasoulifard, Vahid Vatanpour
Carbon quantum dot based nanocarrier labeled with anti-PDL1 antibody as a promising theranostic candidate for the triple negative breast cancer treatment	Materials Chemistry and Physics	315 (2024) 128981	M Azizi, A Sheini, Mir Saeed Seyed Dorraji , H Alidadi, E Fekri
Study of controlled pulsed illumination (CPI) efficiency in the homogeneous UV-LED/S ₂ O ₈ ²⁻ process for the removal of organic dye from contaminated water	Results in Engineering	21 (2024) 101792	Ismael Hajimiri, Mohammad Hossein Rasoulifard, Mir Saeed Seyed Dorraji , Mohammad Reza Eskandarian
Effect of contact interface type in charge transfer mechanism and visible-light photocatalytic activity of ZnO-g-C ₃ N ₄ heterostructures	Materials Research Bulletin	167 (2023) 112428	Payam Veisi, Mir Saeed Seyed Dorraji , Mohammad Hossein Rasoulifard
Preparation of high-crystalline and non-metal modified g-C ₃ N ₄ for improving ultrasound-accelerated white-LED-light-driven photocatalytic performances	Scientific Reports	13 (2023) 15079	Abdolreza Tarighati Saresheh, Mir Saeed Seyed Dorraji , Zhaleh Karami, Saeedeh Shahmoradi, Elnaz Fekri, Hoda Daneshvar, Mohammad Hossein Rasoulifard, Denis N Karimov

Boosting photo-charge transfer in 3D/2D TiO ₂ @Ti ₃ C ₂ MXene/Bi ₂ S ₃ Schottky/Z-scheme heterojunction for photocatalytic antibiotic degradation and H ₂ evolution	Composites Part B: Engineering	262 (2023) 110820	Seyyede Fatemeh Hosseini, Mir Saeed Seyed Dorraji , Mohammad Hossein Rasoulifard
Dimensional effect of ZnO-g-C ₃ N ₄ heterostructures on hydrophilic and anti-fouling properties of the PVDF/PAN composite membrane: Dye rejection	Journal of Environmental Chemical Engineering	11 (2023) 110249	Payam Veisi, Mir Saeed Seyed Dorraji , Vahid Vatanpour, Mohammad Hossein Rasoulifard
Ti ₃ C ₂ MXene/Polyaniline/Montmorillonite Nanostructures toward Solvent-Free Powder Coatings with Enhanced Corrosion Resistance and Mechanical Properties	ACS Applied Nano Materials	6 (2023) 8804-8818	Ziba Nazarlou, Seyyede Fatemeh Hosseini, Mir Saeed Seyed Dorraji , Mohammad Hossein Rasoulifard, Umut Aydemir
Thin film composite on sulfonated PVDF electrospun and its performance in nanofiltration	Korean Journal of Chemical Engineering	40 (2023) 1141-1150	Omid Qanati, Zahra Dusti, Mir Saeed Seyed Dorraji , Arsalan Ahmadi, Mohammad Hossein Rasoulifard
Fabrication of Ti-doped Bi ₂ S ₃ /NiO p-n heterojunction with enhanced visible-light-driven photocatalytic activity	Journal of Molecular Liquids	376 (2023) 121445	Pegah Latifian, Seyyede Fatemeh Hosseini, Mir Saeed Seyed Dorraji , Mohammad Hossein Rasoulifard
Fabrication of visible-light-driven photocatalysts based on Nd-doped Zn ₂ SnO ₄ semiconductor and carbonous nanomaterials	Journal of Alloys and Compounds	934 (2023) 167837	Ali Reza Amani-Ghadim, Samira Arefi-Oskoui, Alireza Karimi, Alireza Khataee, Fahimeh Farshi Azhar, Abdolreza Tarighati Sareshkeh, Mir Saeed Seyed Dorraji
P and C co-modified g-C ₃ N ₄ /SiO ₂ /ZnO Z-scheme based heterogeneous nanocomposite as a highly boosted visible-light-driven photocatalytic system	Journal of Alloys and Compounds	923 (2022) 166392	Abdolreza Tarighati Sareshkeh, Rahman Bagheri Some-Saraee, Mohammad Hossein Rasoulifard, Mir Saeed Seyed-Dorraji , Seyyede Fatemeh Hosseini

Integrating graphene oxide into layers of PVDF/PVDF@ cross-linked sodium alginate/polyamide membrane for efficiently enhancing desalination performances	Scientific Reports	12 (2022) 16908	Zohreh Mohammadi, Mir Saeed Seyed Dorraji , Arsalan Ahmadi, Abdolreza Tarighati Sareshkeh, Mohammad Hossein Rasoulifard
Novel negatively-charged amphiphilic copolymers of PVDF-g-PAMPS and PVDF-g-PAA to improve permeability and fouling resistance of PVDF UF membrane	Reactive and Functional Polymers	179 (2022) 105386	Soudeh Almaie, Vahid Vatanpour, Mohammad Hossein Rasoulifard, Mir Saeed Seyed Dorraji
An overview of the methods of synthesis, characterization and applications of MXene as a Microwave absorber (Persian)	Advanced Materials and New Coatings	41 (1401) 3048-3071	Arezoo Hajiahmadi, Mir Saeed Seyed Dorraji , Seyyede Fatemeh Hosseini
An overview of the methods of synthesis, characterization and applications of MXene as a Microwave absorber (Persian)	Advanced Materials and New Coatings (مواد پیشرفته و پوشش‌های نوین)	41 (1401) 3048-3071	Arezoo Hajiahmadi, Mir Saeed Seyed Dorraji , Seyyede Fatemeh Hosseini
Design of a new light curable starch-based hydrogel drug delivery system to improve the release rate of quercetin as a poorly water-soluble drug	European Journal of Pharmaceutical Sciences	174 (2022) 106191	Maryam Moghadam, Mir Saeed Seyed Dorraji , Fatemeh Dodangeh, Hamid Reza Ashjari, Seyede Neda Mousavi, Mohammad Hossein Rasoulifard
A solar-driven CPC photoreactor for decomposition of emerging contaminants in wastewater: Modeling and optimization	Chemical Engineering Research and Design	182 (2022) 580-591	Leila Ghalamchi, Mohammad Hossein Rasoulifard, Zohreh Mohammadi, Mir Saeed Seyed Dorraji , Negar Sehati, Mohammad Reza Eskandarian
Improving photocatalytic activity of the ZnS QDs via lanthanide doping and photosensitizing with GO and g-C ₃ N ₄ for degradation of an azo dye and bisphenol-A under visible light irradiation	Chemosphere	295 (2022)133917	Ali RezaAmani-Ghadim, Samira Arefi-Oskoui, Robab Mahmoudi, Abdolreza Tarighati Sareshkeh, Alireza Khataee, Fatemeh Khodam, Mir SaeedSeyed Dorraji

CdTe quantum dots incorporated in CoNiAl layered double hydroxide interlayer spaces as a highly efficient visible light driven photocatalyst for degradation of an azo dye and Bisphenol A	Journal of Alloys and Compounds	898 (2022) 162768	Fatemeh Khodam, Ali Reza Amani-Ghadim, Narges Nozad Ashan, Abdolreza Tarighati Saresheh, Farzaneh Bayat, Mohammad Gholinejad, Mir Saeed Seyed Dorrajie
Quercetin-loaded on whey protein improves male fertility parameters and atherogenic indices of rats on a western-style diet	Journal of Functional Foods	88 (2022) 104904	Seydeh Neda Mousavi, Mir Saeed Seyed Dorraji, Zeinab Pourmansouri, Masoud Mohammadian, Hossein Chiti, Naiemeh Moghaddam, Elham Hosseini
Photocatalytic activity enhancement of carbon-doped g-C ₃ N ₄ by synthesis of nanocomposite with Ag ₂ O and α -Fe ₂ O ₃	Journal of the Chinese Chemical Society	68 (2021) 2118-2131	Ali Reza Amani-Ghadim, Abdolreza Tarighati Saresheh, Narges Nozad Ashan, Homa Mohseni-Zonouz, Seyed Masoud Seyed Ahmadian, Mir Saeed Seyed Dorraji , Mohammad Gholinejad, Farzaneh Bayat
A systematic study on the synergistic effects of MWCNTs and core-shell particles on the physicomechanical properties of epoxy resin	Scientific Reports	11 (2021) 20789	Ali Gharieh, Mir Saeed Seyed Dorraji
Improvement of microwave absorption properties of polyester coatings using NiFe ₂ O ₄ , X-doped g-C ₃ N ₄ (X= S, P, and O), and MTiO ₃ (M= Fe, Mg, and Zn) nanofillers	Scientific Reports	11 (2021) 19339	Somayeh Solgi, Mir Saeed Seyed Dorraji , Seyyede Fatemeh Hosseini, Mohammad Hossein Rasoulifard, Ismael Hajimiri, Alireza Amani-Ghadim
Application of whey protein-alginate particles coated by black seed oil as a biocompatible carrier of quercetin at treating non-alcoholic fatty liver disease	Journal of Functional Foods	86 (2021) 104728	Naiemeh Moghaddam, Mir Saeed Seyed Dorraji , Seydeh Neda Mousavi, Hossein Chiti, Mohammad Hossein Rasoulifard, Zeinab Pourmansouri
بررسی کارایی حذف رنگ توسط ZnFeAl-LDH و مخلوط اکسیدهای فلزی مشتق شده از آن	نشریه علوم و فناوری رنگ	دوره ۱۵ تابستان ۱۴۰۰ صفحه ۱۵۳-۱۶۳	هدا دانشور، میرسعید سیددراجی ، محمد حسین رسولی فرد، آرزو سلامی
Targeted design of polyaniline-graphene oxide, barium-strontium titanate, hard-soft ferrite, and polyester multi-phase nanocomposite for highly efficient microwave absorption	Ceramics International	47 (2021) 21334-21342	Zhale Gholampour Shamami, Mir Saeed Seyed Dorraji , Seyyede Fatemeh Hosseini, Mohammad Hossein Rasoulifard, Ismael

Starch/alginate/Cu-g-C ₃ N ₄ nanocomposite film for food packaging	Materials Chemistry and Physics	267 (2021) 124583	Seyedeh Neda Mousavi, Hoda Daneshvar, Mir Saeed Seyed Dorraji , Zahra Ghasempour, Vahid Panahi-Azar, Ali Ehsani
Mesoporous CuZnAl-layered double hydroxide/graphene oxide nanohybrid as an energy storage electrode for supercapacitor application	Bulletin of Materials Science	44 (2021) 61	Ali Reza Amani-Ghadim, Fatemeh Khodam, Soheil Aber, Mir Saeed Seyed Dorraji
Synergistic photocatalytic-adsorption removal effect of NiFe ₂ O ₄ -Zn-Al mixed metal oxide composite under visible-light irradiation	Journal of Photochemistry and Photobiology A: Chemistry	414 (2021) 113268	Payam Veisi, Mir Saeed Seyed Dorraji , Mohammad Hossein Rasoulifard, Sakineh Ghaffari, Ayat Khobkar Chobar
Synthesis of a green bigel using cottonseed oil/cannabis oil/alginate/ferula gum for quercetin release: Synergistic effects for treating infertility in rats	International journal of biological macromolecules	177 (2021) 157-165	Seyedeh Neda Mousavi, Elham Hosseini, Mir Saeed Seyed Dorraji , Shima Sheikh Mohammadi, Zeinab Pourmansouri, Mohammad Hossein Rasoulifard, Masumeh Doosti, Hossein Chiti
Preparation of open-cell polyurethane nanocomposite foam with Ag ₃ PO ₄ and GO: antibacterial and adsorption characteristics	Journal of Polymer Research	28 (2021) 69	M Gheydari, MS Seyed Dorraji , M Fazli, MH Rasoulifard, S Almaie, H Daneshvar, HR Ashjari
High performance microwave shielding in green nanocomposite coating based on polyurethane via nickel oxide, Mn _x Fe _{3-x} O ₄ and polyaniline nanoparticles	Materials Science and Engineering: B	262 (2020) 114728	M Bikdeli, MS Seyed Dorraji , SF Hosseini, I Hajimiri, MH Rasoulifard, AR Amani-Ghadim
The role of MnO ₂ /polyaniline/Y-type barium hexaferrite (Al ₂ Y, Mg ₂ Y, and Ni ₂ Y) nanoparticles in the improvement of the microwave absorption properties of polyester coatings	New Journal of Chemistry	45 (2021) 3252-3262	Sina Rahmani, Mir Saeed Seyed Dorraji , Seyyede Fatemeh Hosseini, Alireza Amani-Ghadim, Mohammad Hossein Rasoulifard, Ismael
Synthesis and evaluation of the efficiency of antibacterial hydrogel beads based on the sodium alginate–ferula gum for delayed release of quercetin	Polymer Bulletin	In press Published online 06 July 2020	MS Seyed Dorraji , MH Rasoulifard, S Madadi, M Doosti, H Chiti, SN Mousavi
Zn/Al-layered double hydroxide–graphene oxide nanocomposite use in the solid-phase extraction–preconcentration and HPLC determination of diclofenac	Chemical Papers	74 (2020) 4419–4432	P Soheili-Azad, M R Yaftian, M S Seyyed Dorraji

Facile preparation of an enhanced microwave absorbing based on polyester composite containing $\text{Ca}_3\text{Al}_2\text{Si}_3\text{O}_{12}$, polyaniline, and spinel ferrite (Cu, Mg, and Ni) nanoparticles	Materials Chemistry and Physics	255 (2020) 123529	P Parsian, MS Seyed Dorraji , SF Hosseini, MH Rasoulifard, I Hajimiri, AR Amani-Ghadim
The main role of CuO loading against electron-hole recombination of SrTiO_3 : Improvement and investigation of photocatalytic activity, modeling and optimization by response surface methodology	Journal of Photochemistry and Photobiology A: Chemistry	404 (2021) 112886	M.Ahmadi, M.S. Seyed Dorraji , I.Hajimiri, M.H.Rasoulifard
ستنز و بررسی کارآیی نانوکامپوزیت اسفنج پلی‌اورتانی سلول‌باز- اکسید نقره در گندزدایی آب	علوم و تکنولوژی محیط زیست	دوره بیست و دوم، شماره چهار، تیر ماه ۹۹	حمیدرضا اشجاری باسمنج میر سعید سید دراجی محمدحسین رسولی فرد مریم مقدم شیما شیخ محمدی
Synthesis and characterization of alkoxy silane modified polyurethane wood adhesive based on epoxidized soybean oil polyester polyol	Composites Part B: Engineering	187 (2020) 107857	F Dodangeh, MS Seyed Dorraji , MH Rasoulifard, HR Ashjari
Loading $\text{GO}/\text{ZnFe}_2\text{O}_4/\text{NiO}$ nanocomposite as a hybrid dielectric/magnetic material into polyurethane foam for induction of radar absorbing properties	Journal of Materials Science: Materials in Electronics	31 (2020) 5107-5116	S Rahmani, M S Seyed Dorraji , S Rahmani, I Hajimiri, A R Amani-Ghadim
The Role of Carbon-Based Nanosheets in Enhancement of Photocatalytic Activity of $\text{Ag}_{10}\text{Si}_4\text{O}_{13}$	Journal of Photochemistry and Photobiology A	394 (2020) 112486	M S Seyed Dorraji , M H Rasoulifard, Z Aghamoradi, A Tarighati Sareshkeh, HDaneshvar, F Kabiri Esfahani
Application of Mg–Al and Zn–Al layered double hydroxides modified with sodium dodecyl benzene sulfonate as a solid sorbent for removal of diazinon from water samples	Journal of the Iranian Chemical Society	17 (2020) 1411-1427	A Sohrabi, M R Yaftian, L Dolatyari, M S Seyyed Dorraji , P Soheili-Azad
Cationic graphene oxide nanosheets intercalated with polyaniline nanofibers: A promising candidate for simultaneous anticorrosion, antistatic, and antibacterial applications	Progress in Organic Coatings	139 (2020) 105419	A Mirmohseni, M Azizi, MS Seyed Dorraji
Tris (hydroxymethyl) aminomethane-grafted polyamine nanofiltration membrane: enhanced antifouling and pH resistant properties	New Journal of Chemistry	44 (2020) 6321-6330	H Daneshvar, MS Seyed Dorraji , MH Rasoulifard, A Ahmadi, N Nooshiran-Zadeh
Enhancing quercetin bioavailability by super paramagnetic starch-based hydrogel grafted with fumaric acid: An in vitro and in vivo study	Colloids and Surfaces B: Biointerfaces	183 (2019) 110487	M Doosti MS Seyed Dorraji SN Mousavi MH Rasoulifard SH Hosseini

A promising ternary nanohybrid of Copper@Zinc oxide intercalated with polyaniline for simultaneous antistatic and antibacterial applications	Journal of Coatings Technology and Research	16 (2019) 1411-1422	Abdolreza Mirmohseni Maryam Azizi Mir Saeed Seyed Dorraji
The effective role of reduced-graphene oxide in visible light photocatalytic activity of wide band gap SrTiO ₃ semiconductor	Separation and Purification Technology	228 (2019) 115771	M Ahmadi MS Seyed Dorraji MH Rasoulifard AR Amani-Ghadim
Application of zinc/aluminum layered double hydroxide nanosorbent in a fixed-bed column for SPE-preconcentration followed by HPLC determination of diclofenac in biological and hospital wastewater samples	Microchemical Journal	148 (2019) 270-276	Payam Soheili-Azad Mohammad Reza Yaftian Mir Saeed Seyed Dorraji
Enhanced Sonocatalytic Performance of ZnTi Nano-Layered Double Hydroxide by Substitution of Cu (II) Cations	Ultrasonics Sonochemistry	58 (2019) 104632	H Daneshvar MS Seyed Dorraji AR Amani-Ghadim MH Rasoulifard
Facile synthesis of copper/ reduced single layer graphene oxide as a multifunctional nanohybrid for simultaneous enhancement of antibacterial and antistatic properties of waterborne polyurethane coating	Progress in Organic Coatings	131 (2019) 322-332	Abdolreza Mirmohseni Maryam Azizi Mir Saeed Seyed Dorraji
ZnS/ZnNiAl-LDH/GO nanocomposite as a visible-light photocatalyst: preparation, characterization and modeling	Journal of Materials Science: Materials in Electronics	30 (2019) 12152-12162	MS Seyed Dorraji MH Rasoulifard H Daneshvar A Vafa AR Amani-Ghadim
ZnS quantum dot intercalated layered double hydroxide semiconductors for solar water splitting and organic pollutant degradation	Journal of materials Chemistry A	7 (2019) 11408-11422	Ali Reza Amani-Ghadim Fatemeh Khodam Mir SaeedSeyed Dorraji
تهیه نانوالیاف پلی اورتان حاوی داروی سفیکسیم تری هیدرات: مطالعه سینتیک و رفتار رهایش در شرایط آزمایشگاهی	شیمی کاربردی - دانشگاه سمنان	دوره ۱۳، سال ۱۳۹۷، صفحه ۲۳۹ تا ۲۴۸	عزیزی مریم، سیددراji میرسعید، رسولی فرد محمدحسین
The role of g-C ₃ N ₄ as nanofiller in improvement of mechanical, thermal, and X-band wave absorption properties of epoxy vinyl ester coating	Progress in Organic Coatings	125 (2018) 472-480	AbdolrezaTarighati Sareshkeh Mir SaeedSeyed Dorraji Mohammad HosseinRasoulifard
Thin-film nanofiltration membrane with monomers of 1,2,4,5-benzene tetracarbonyl chloride and ethylene diamine on electrospun support: preparation, morphology and chlorine resistance properties	Polymer Bulletin	75 (2018) 3407-3425	O. Qanati A. Ahmadi M.S. Seyed dorraji M.H. Rasoulifard V. Vatanpour

Starch-based polyurethane/CuO nanocomposite foam: Antibacterial effects for infection control	International Journal of Biological Macromolecules	111(2018)1076-1082	H. R.Ashjari M. S. Seyed Dorraji V. Fakhrazadeh H. Eslami M.H. Rasoulifard M. Rastgouy-Houjaghan P. Gholizadeh H. Samadi Kafil
The role of prepared ZnO nanoparticles on improvement of mechanical and antibacterial properties of flexible polyurethane foams: experimental modeling	Polymer Bulletin	75 (2018) 1519-1533	M.S. Seyed Dorraji M.H. Rasoulifard M. Shajeri H.R. Ashjari M. Azizi M. Rastgouy-Houjaghan
Microwave absorption properties of GO nanosheets-BaFe ₁₂ O ₁₉ -NiO nanocomposites based on epoxy resin: optimization using Taguchi methodology	Journal of Materials Science: Materials in Electronics	29(2018)4583-4595	R. Mohammadian S. Rahmani M. S. Seyed Dorraji I. Hajimiri
Enhanced microwave absorption property of MnFe _{9n+3} O _{15n+4} (0 ≤ n ≤ 1)(M= Ba, Sr)/CaCu ₃ Ti ₄ O ₁₂ /phosphorus-doped gC ₃ N ₄ nanocomposite: Preparation...	Journal of Alloys and Compounds	735 (2018)2497-2506	H.Kadkhodayan M.S.Seyed Dorraji M.H.Rasoulifard A.R.Amani-Ghadim I. Hajimiri A.R. Tarighati- Sareshekeha
Stabilized core/shell PVA/SA nanofibers as an efficient drug delivery system for dexpantenol	Polymer Bulletin	75 (2018) 547- 560	E.Tamizi M. Azizi M.S. Seyed Dorraji Z. Dusti V. Panahi-Azar
Synthesis and employment of PEGDA for fabrication of superhydrophilic PVDF/PEGDA electrospun nanofibrous membranes by in-situ visible photopolymerization	Korean Journal of Chemical Engineering	35 (2018) 289-297	H.R. Ashjari A. Ahmadi M.S. Seyed Dorraji
بررسی رفتار جذبی هیدروکسید لایه ای دوگانه روی کبالت آلومینیم در حذف ماده آلی رنگزا: مدل سازی، بهینه سازی و مطالعات سینتیک و ایزوترم	علوم و فناوری رنگ	دوره ۱۱، سال ۱۳۹۶، صفحه ۲۲۵ تا ۲۳۷	دانشور هدا، سیددراji میرسعید ، امانی قدیم علیرضا، رسولی فرد محمدحسین
Photocatalytic activity of g-C ₃ N ₄ : An empirical kinetic model, optimization by neuro-genetic approach and identification of intermediates	Chemical Engineering Research and Design	127 (2017) 113-125	M.S. Seyed Dorraji A.R. Amani-Ghadim M.H. Rasoulifard H. Daneshvar B. Sistani Zadeh Aghdam A.R. Tarighati S.F. Hosseini
Combination of perovskite and magnetic inverse spinel structures to improve microwave absorption properties	Materials Science and Engineering: B	225 (2017) 75-85	I. Hajimiri M.S. Seyed Dorraji M.H.Rasoulifard A.R.Amani-Ghadim M.R.Khoshroo

Enhanced microwave absorption property of $\text{Fe}_3\text{O}_4/\text{CaCu}_{3-x}\text{Mg}_x\text{Ti}_{4-y}\text{Sn}_y\text{O}_{12}$ ($0 \leq x, y \leq 1$)/graphene oxide nanocomposites in epoxy vinyl ester resin	Journal of Materials Science: Materials in Electronics	28 (2017) 12535-12544	H. Kadmehdavan M.S. Seyed Dorraji M.H. Rasoulifard A.R. Amani-Ghadim
Investigation of antifouling performance a novel nanofibrous S-PVDF/PVDF and S-PVDF/PVDF/GO membranes against negatively charged oily foulants	Journal of Membrane Science	536 (2017) 86-97	A. Ahmadi O. Qanati M.S. Seyed Dorraji M.H. Rasoulifard V. Vatanpour
Solar photocatalytic oxidation of an azo dye with immobilized $\text{TiO}_2/\text{S}_2\text{O}_8^{2-}$ in a component parabolic collector-reactor	Desalination and Water Treatment	81(2017) 223-232	L. Ghalamchi M.H. Rasoulifard M. S. Seyed Dorraji R. Pourata
The role of carbon nanotube in zinc stannate photocatalytic performance improvement: Experimental and kinetic evidences	Applied Catalysis B: Environmental	205 (2017) 559	M.S. Seyed Dorraji A.R. Amani-Ghadim M.H. Rasoulifard S. Taherkhani H. Daneshvar
بررسی کارایی نانو فوتوکاتالیست های TiO_2 در حذف همزمان هیومیک اسید و آلودگی های بیولوژیکی (E.Coli) از آب های آلوده تحت تابش نور فرابنفش	شیمی کاربردی - دانشگاه سمنان	دوره ۱۲، سال ۱۳۹۶، صفحه ۵۵ تا ۶۷	امانی قدیم علیرضا، سیددوراجی میرسعید، لطفی حیاتی خلیل
Performance of chitosan based nanocomposite hollow fibers in the removal of selenium (IV) from water	Chemical Engineering Research and Design	117 (2017) 309	M.S. Seyed Dorraji A.R. Amani-Ghadim Y. Hanifehpour S. Woo Joo A. Figoli M. Carraro F. Tasselli
Visible light photocatalytic activity of chitosan/poly (vinyl alcohol)/ TiO_2 nanocomposite for dye removal: taguchi-based optimization	Environmental Progress & Sustainable Energy	36 (2017) 66	M.H. Rasoulifard M.S. Seyed Dorraji V. Mozafari
Polyurethane foam-cadmium sulfide nanocomposite with open cell structure: Dye removal and antibacterial applications	Korean Journal of Chemical Engineering	34 (2017) 547	M. S. Seyed Dorraji H. R. Ashjari M. H. Rasoulifard M. Rastgouy-Houjaghan
Influence of structure on release profile of acyclovir loaded polyurethane nanofibers: Monolithic and core/shell structures	Journal of Applied Polymer Science	133 (2016) 44073	M Azizi M.S. Seyed Dorraji M.H. Rasoulifard

Microwave absorption properties of polypyrrole-SrFe ₁₂ O ₁₉ -TiO ₂ -epoxy resin nanocomposites: Optimization using response surface methodology	Applied Surface Science	383 (2016) 9	M.S. Seyed Dorraji M.H. Rasoulifard A.R. Amani-Ghadim M.H. Khodabandelo M. Felekari M.R. Khoshrou
Visible-light photocatalytic activity of chitosan/polyaniline/CdS nanocomposite: Kinetic studies and artificial neural network modeling	Applied Catalysis A: General	514 (2016) 60	M.H. Rasoulifard M.S. Seyed Dorraji A.R. Amani-Ghadim N. Keshavarz-Babaeinezhad
Microwave absorption properties of polyaniline-Fe ₃ O ₄ /ZnO-polyester nanocomposite: preparation and optimization	Applied Surface Science	366 (2016) 210	M.S. Seyed Dorraji M.H. Rasoulifard M.H. khodabandelo M. Rastgouy-Houjaghan H. Karimi Zarajabad
Adsorption and photocatalytic degradation of organic dyes onto crystalline and amorphous hydroxyapatite: Optimization, kinetic and isotherm studies	Korean Journal of Chemical Engineering	33 (2016) 481	S. Valizadeh M. H. Rasoulifard M. S. Seyed Dorraji
Photocatalytic activity of zinc stannate: Preparation and modeling	Journal of the Taiwan Institute of Chemical Engineers	58 (2016) 324	M.H. Rasoulifard M.S. Seyed orraji S. Taherkhani
Application of hollow fiber membrane mediated with titanium dioxide nanowire/reduced graphene oxide nanocomposite in preconcentration of clotrimazole and tylosin	Journal of Chromatography A	1420 (2015) 46	N. Sehati N. Dalali S. Soltapour M. S. Seyed orraji
Modeling of photocatalytic process on synthesized ZnO nanoparticles: Kinetic model development and artificial neural networks	Applied Catalysis B: Environmental	163 (2015) 539	A.R. Amani-Ghadim M.S. Seyed Dorraji
Fenton-like catalytic activity of wet-spun chitosan hollow fibers loaded with Fe ₃ O ₄ nanoparticles: Batch and continuous flow investigations	Journal of Molecular Catalysis A: Chemical	398 (2015) 353	M.S. Seyed Dorraji A. Mirmohseni M. Carraro S. Gross S. Simone F. Tasselli A. Figoli
Interaction between deferiprone and human serum albumin: Multi-spectroscopic, electrochemical and molecular docking methods	European Journal of Pharmaceutical Sciences	64 (2014) 9	M.S. Seyed Dorraji V. Panahi Azar M.H. Rasoulifard

Modified Fe ₃ O ₄ -hydroxyapatite nanocomposites as heterogeneous catalysts in three UV, Vis and Fenton like degradation systems	Applied Surface Science	319 (2014) 358	S. Valizadeh M.H. Rasoulifard M.S. Seyed Dorraji
Chitosan/polyaniline/MWCNT nanocomposite fibers as an electrode material for electrical double layer capacitors	International Journal of Hydrogen Energy	39 (2014) 9350	M.S. Seyed Dorraji I. Ahadzadeh M.H. Rasoulifard
Extraction and preconcentration of tylosin from Milk samples through functionalized TiO ₂ nanoparticles reinforced with a hollow-fiber membrane as a novel solid/liquid-phase microextraction technique	Journal of Separation Science	37 (2014) 2025	N. Sehati N. Dalali S. Soltanpour M. S. Seyed orraji
Preparation, characterization and application of iron (III)-loaded chitosan hollow fiber membranes as a new bio-based As (V) sorbent	Journal of Polymer Research	21 (2014) 1	M.S. Seyed Dorraji A. Mirmohseni F. Tasselli A. Criscuoli M. Carraro S. Gross A. Figoli
Mechanical, swelling and adsorptive properties of dry-wet spun chitosan hollow fibers Crosslinked with Glutaraldehyde	Reactive and Functional Polymers	73 (2012) 218	F. Tasselli A. Mirmohseni M.S. Seyed Dorraji A. Figoli
Chitosan hollow fibers as effective biosorbent toward dye: Preparation and modeling	Bioresource Technology	121 (2012) 212	A. Mirmohseni M.S. Seyed Dorraji A. Figoli F. Tasselli
Effects of dopant, coagulant, and reinforcing nanofiller on mechanical and electrical properties of wet-spun polyaniline nanocomposite fibers	Journal of Polymer Research	19 (2012) 1	A. Mirmohseni M.S. Seyed Dorraji
Influence of metal oxide nanoparticles on pseudocapacitive behavior of wet-spun polyaniline-multiwall carbon nanotube fibers	Electrochimica Acta	70 (2012) 182	A. Mirmohseni M.S. Seyed Dorraji M.G. Hosseini
Removal of the alphazurine FG dye from simulated solution by electrocoagulation	CLEAN–Soil, Air, Water	38 (2010) 401	A. Olad A.R. Amani-Ghadim M.S. Seyed Dorraji M.H. Rasoulifard
Effect of polypyrrole–montmorillonite nanocomposites powder addition on corrosion performance of epoxy coatings on Al 5000	Progress in Organic Coatings	66 (2009) 321	M.G. Hosseini M. Raghibi-Boroujeni I. Ahadzadeh R. Najjar M.S. Seyed Dorraji
Preparation of ZnO, ZnFe ₂ O ₄ and ZnO-SnO ₂ nanocrystals and investigation of their photocatalytic activity	International Journal of Nanotechnology	6 (2009) 984	MS Seyed Dorraji S Aber MG Hosseini M Raghibi-Boroujeni I Ahadzadeh

Influence of inorganic oxidants and metal ions on photocatalytic activity of prepared zinc oxide nanocrystals	Global NEST J.	11 (2009) 535	MS Seyed Dorraji N Daneshvar S Aber
UV/H ₂ O ₂ treatment of rhodamine B in aqueous solution: influence of operational parameters and kinetic modeling	Desalination	230 (2008) 16	N. Daneshvar M. A. Behnajady M. Khayyat Ali M S Seyed Dorraji
Photocatalytic degradation of the insecticide diazinon in the presence of prepared nanocrystalline ZnO powders under irradiation of UV-C light	Separation and Purification Teechnology	58 (2007) 91	N. Daneshvar S. Aber M S Seyed Dorraji A. R. Khataee M. H. Rasoulifard
Removal of Organic Dyes from Industrial Wastewaters Using UV/H ₂ O ₂ , UV/H ₂ O ₂ /Fe (II), UV/H ₂ O ₂ /Fe (III) Processes (<i>written in Persian</i>)	Journal of Water and Wastewater	18 (2007) 34-42	N. Daneshvar A. R. Khataee M. H. Rasoulifard M S Seyed Dorraji
Supercritical Water Oxidation Process and Its Application in Treatment of Industrial Wastewater (<i>written in Persian</i>)	Iranian Journal of Chemical Engineering	33 (2008) 71-82	N. Daneshvar S. Aber M S Seyed Dorraji M. Zarei M. H. Rasoulifard

Publications are available on

https://scholar.google.com/citations?user=PqK-s_wAAAAJ&hl=en

<http://www.znu.ac.ir/members/dorraji-saeed/en>

C: Granted Patents in Iran

Title of Patent	Date
Preparation of nano color stealth coating with high performance and ultra-wide bandwidth	2017
Light Curing Resin (Visible Curing) Based on Polyols for Application in Three-dimensional Printers	2016
A method for the production of open cell polyurethane sponge	2015
Solar component parabolic reactor for water/wastewater treatment	2015
Sponge foam machine	2015

Research Activities (Supported by National and International Research Grants):

Title of project	Project Supporter	Country
Improving the adhesion and corrosion resistance of powder coating systems by means of Mxenes and organometallic compounds	TUBITAK-MSRT Joint Call 2020	Turkey-Iran
Ti MXene quantum dots (MQDs) combined with Lanthanide doped upconversion nanoparticles (UCNP) as a new material for sensing, photocatalysis, bioimaging and therapy	Iran National Science Foundation (INSF) and Russian Foundation for Basic Research (RFBR)	Russia-Iran
Development of Technical Know-How for the Production of Powdered Benzoyl Peroxide and Its Conversion into Granules	Iran National Science Foundation (INSF)	Iran

Research Interests:

- 1- Nanostructured Materials and Nanocomposites
- 2- Photocatalysis and Advanced Oxidation Processes
- 3- Membrane Technology and Water Treatment
- 4- Functional Polymer Nanocomposites
- 5- Coatings and Functional Films
- 6- Modeling and Optimization of Chemical Processes
- 7- Electrochemical Materials and Energy Applications

Awards, Honorary Degrees, Medals and Positions:

Title of Award, Medal, Position	Issuing Authority	Country	Year
Top Student in Bachelo's course	Faculty of Chemistry, University of Tabriz	Iran	2005
Encourager support	Iranian Nanotechnology Initiative	Iran	2007
Exceptional Talent	Exceptional Talent Center of University of Tabriz	Iran	2007
The distinguished researcher of Zanjan Province in basic sciences	Governor of province	Iran	2018
The distinguished researcher of Zanjan Province in basic sciences	Governor of province	Iran	2024

Membership to Scientific Associations:

Name of Institution/Association	Position Held	Country	Year
Iranian Chemical Society	Member	Iran	2006
Iranian Nanotechnology Socierty	Member	Iran	2006

Language Proficiency:

Language	Degree of Proficiency											
	Writing				Reading				Speaking			
	Native	Good	Fair	Poor	Native	Good	Fair	Poor	Native	Good	Fair	Poor
Farsi	*				*				*			
English		*				*				*		