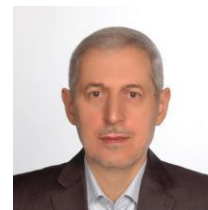


Brief Resume
(31-01-2026)

Mir F. Mousavi, Ph.D

(Mir Fazlollah Mousavikozezhkonan)



Current Research Interests:

Novel nano-structured materials: synthesis, fundamental studies, and investigation of their applications in electrochemical energy conversion, and storage systems

Selected Honors and Awards:

- 2006 **Leading Scientist** (in the OIC Member States)
- 2006 **Distinguished Professor in Chemistry** at TMU
- 2007 **Most Cited ISI Scientist** (top 1%, recognized by ESI, Engineering category)
- 2008 **First-ranked Laureate in Modern Technology** in the 14th Annual Razi International Research Festival on Medical Sciences
- 2008 **Modern Technology ISESCO Award**
- 2011 **Distinguished Professor of Analytical Chemistry**, granted by the Iranian Chemical Society (ICS)
- 2013-14 **Top Cited Author of *Electrochimica Acta***, granted by the International Society of Electrochemistry (ISE)
- 2017 International Coworker of College of Chemical Engineering, Zhejiang University of Technology (ZJUT)
- 2018-21 **ZJUT Honored professor of overseas expertise**, China
- 2018-25 **Scientific Elite**, granted by the Iranian Science Elites Federation (ISEF), Top 10
- 2019 **National Distinguished Professor**, granted by the Ministry of Science, Research and Technology (MSRT)
- 2019-20 **High-end Foreign Experts**, nomination by Zhejiang University of Technology

- 2020 **Distinguished Professor of Electrochemistry**, granted by the Iranian Electrochemical Society (IECS)
- 2022-23 **Top Cited Author of *The Chemical Record***
- 2022-25 **Most Cited ISI Scientist** (top 1%, recognized by ESI, Chemistry Category)
- 2023 **Scientific Elite**, granted by the Iranian Science Elites Federation (ISEF), 1st Rank
- 2024 **Eni Award** Nomination, for the paper published in *Adv. Energy Mater.* **2023**, *13* (41), 2302137.
- 2024-25 **Cutting-edge studies** published in *Chem. Sci.* (2025) are featured in the Editor's Choice collection. This collection highlights 12 significant research contributions in batteries and energy storage from the past two years.
- 2025 Invitation to Join for China 2026 **National High-Level Talent Program** .
- 2025 Invitation to Join for China 2026 **Global Scientific Research Collaboration Program**

Output Summary:

183 ISI papers, >10 highly cited, h-index = 64 (Google Scholar), **>14,800 citations.**

>300 Seminars (Plenary, Keynote, and invited speaker: over 50 times).

5 Patents (3 national, 2 USA).

1 Book (Mousavi, M. F.; Ghasemi, S. Sonochemistry: a suitable method for synthesis of nano-structured materials. Nova Science Publishers: Hauppauge, N.Y., 2010.) **Invited.**

1 Book Chapter (in Encyclopedia of Sensors (10-Volume Set), by Craig A. Grimes, Elizabeth C. Dickey, and Michael V. Pishko. American Scientific Publishers; 1 edition (December 20, 2006). **Invited.**

Selected Positions and Memberships:

1. Editorial Board:

1) **International Journal of Nanoscience and Nanotechnology (IJNN)**

(Publisher: Iranian Nano Technology Society, INS)

2) **Scientia Iranica, Transactions of Nanotechnology**

(Publisher: Elsevier)

2. Elected Regional Representative for the **International Society of Electrochemistry** (1st term: 2007-2009; 2nd term: 2010-2012)
3. **Reviewer of more than 50 Scientific Journals, indexed in ISI, including** *Nature Communications, Advanced Energy Materials, Advanced Functional Materials, Journal of the American Chemical Society, ACS Nano, ACS Applied Energy Materials, ACS Applied Materials & Interfaces, Small, Chemical Society Reviews, Energy Storage Materials, Chem Catalysis, Journal of Power Sources.*
4. **The external examiner for a PhD thesis:**
 - 1) **National**
 - Sharif University (Physics, Chemistry, Nanoscience)
 - Shahid Beheshti University (Chemistry)
 - Tehran University (Chemistry)
 - Iran University of Science and Technology (Chemistry)
 - Bu-Ali Sina University, Hamedan (Chemistry)
 - Razi University, Kermanshah (Chemistry)
 - Tabriz University (Chemistry)
 - Kharazmi University, Tehran (Chemistry)
 - Mazandaran University, Babolsar (Chemistry)
 - Khajeh Nasir Toosi University (Chemistry)
 - 2) **International** (Chemistry Department, Faculty of Science, Cairo University, Giza, 12613, Egypt)
5. **Member of:**
 - a. **Iranian Chemical Society (ICS)**
 - b. **American Chemical Society (ACS)**
 - c. **Iranian Nanotechnology Society (INS)**
 - d. **International Society of Electrochemistry (ISE)**
 - e. **Electrochemical Society of Iran (ECSI)**
6. **Visiting Professor at UCLA**, Department of Chemistry and Biochemistry (2013-2014)

National Cooperation:

1. Department of Clinical Biochemistry, Faculty of Medical Sciences, **Tarbiat Modares University**, Tehran, 14155-331, Iran. **Prof. S. Zahra Bathaie** (Since 2001)
2. Faculty of Basic Sciences, **Shahed University**, Tehran 3319118-651, Iran. **Prof. Mohammad S. Rahmanifar** (Since 2003)
3. Department of Physics, **Shahid Rajaee Teacher Training University**, Lavizan, Tehran P.O. Box: 16875-163, Iran; Department of Physics, **University of Antwerp** Groenenborgerlaan 171, Antwerp B-2020, Belgium. **Prof. Mehdi Neek-Amal** (Since 2021)
4. Department of Chemistry, **Razi University**, Kermanshah 67149, Iran. **Dr. Nasim Hassani** (Since 2021)

International Cooperation:

1. Department of Chemistry and Biochemistry, Department of Materials Science and Engineering, and California NanoSystems Institute, **University of California, Los Angeles (UCLA)**, CA 90095, USA. **Prof. Richard B. Kaner** (Since 2013)
2. State Key Laboratory Breeding Base of Green Chemistry Synthesis Technology, College of Chemical Engineering, **Zhejiang University of Technology**, Chaowang Road, Hangzhou 310014, P. R. China. **Prof. Cheng Zhang** (Since 2017)
3. Global Innovative Centre for Advanced Nanomaterials, The School of Engineering, College of Engineering, Science and Environment, **The University of Newcastle**, Callaghan 2308, Australia, **Prof. Ajayan Vinu** (Since 2020)
4. State Key Laboratory of Silicon Materials, Key Laboratory of Advanced Materials and Applications for Batteries of Zhejiang Province, School of Materials Science & Engineering, **Zhejiang University**, Hangzhou 310027, China; College of Materials Science & Engineering, **Zhejiang University of Technology**, Hangzhou 310014, China. **Prof. Xinhui Xia** (Since 2021)
5. Institute of Fundamental and Frontier Sciences, **University of Electronic Science and Technology of China**, Chengdu 611731, Sichuan, China. **Prof. Yongqi Zhang** (Since 2021)

6. School of Energy Science and Engineering, **Nanjing Tech University**, Nanjing, Jiangsu 211816, P. R. China. **Prof. Yuping Wu** (Since 2022)
7. State Key Laboratory of Bioinspired Interfacial Materials Science, Institute of Functional Nano & Soft Materials (FUNSOM), **Soochow University**, Suzhou 215123, China. **Prof. Youyong Li** (Since 2024)
8. Faculty of Chemistry, **University of Warsaw**, 02-093 Warsaw, Poland. **Prof. Damian Kowalski** (Since 2024)
9. Institute for Materials Discovery, **University College London (UCL)**, Malet Place, London, WC1E 7JE, UK. **Prof. Mojtaba Abdi-Jalebi** (Since 2025)

Research Group Members:

1. Postdocs Researchers: 3
2. Ph.D. Students: 6
3. M.Sc. Students: 3

Selected Recent Publications

No.	Authors	Title	J. Name	Date	Note
1	Shakibanasab, A.; Noori, A.; Rahmanifar, M. S.; Mousavi, M. F.	Rationally Designed Metal Sulfide-LDH Heterostructures for High Energy Aqueous Zn-Based Battery Cathodes	<i>Small</i>	2025 Accepted	IF = 12.1
2	Bishkul, H.; Noori, A.; Rahmanifar, M. S.; Hassani, N.; Neek-Amal, M.; Liu, J.; Zhang, C.; El-Kady, M. F.; Mohamed, N. B.; Kaner, R. B.; Mousavi, M. F.	Protein-Templated Fe and Ni Subnanoclusters for Advanced Energy Storage and Electrocatalysis	<i>Small</i>	2025 Accepted	Chosen as Journal Cover IF = 12.1
3	Moloudi, M.; Noori, A.; Rahmanifar, M. S.; El-Kady, M. F.; Mousali, E.; Mohamed, N. B.; Xia, X.; Zhang, Y.; Vinu, A.; Vincent, M.; Kowalski, D.; Kaner, R. B.; Mousavi, M. F.	Nanostructured amorphous Ni–Co–Fe phosphide as a versatile electrocatalyst towards seawater splitting and aqueous zinc–air batteries	<i>Chem Sci.</i>	2025, 16 (21), 9484–9500	Chosen as: Editor's Choice in Batteries and Energy Storage

4	Khodayar, N.; Noori, A.; Rahmanifar, M. S.; Moloudi, M.; Hassani, N.; Neek-Amal, M.; El-Kady, M. F.; Mohamed, N. B.; Xia, X.; Zhang, Y.; Kaner, R. B.; Mousavi, M. F.	An ultra-high mass-loading transition metal phosphide electrocatalyst for efficient water splitting and ultra-durable zinc–air batteries	Energy Environ. Sci.	2024, 17, 5200-5215	IF = 32.4
5	Liao, H.; Zhong, W.; Li, C.; Han, J.; Sun, X.; Xia, X.; Li, T.; Noori, A.; Mousavi, M. F. ; Liu, X.; Zhang, Y.	An intrinsically self-healing and anti-freezing molecular chain induced polyacrylamide-based hydrogel electrolytes for zinc manganese dioxide batteries	J. Energy Chem.	2024, 89, 565-578	IF=13.1
6	Ashoori, A.; Noori, A.; Rahmanifar, M. S.; Morsali, A.; Hassani, N.; Neek-Amal, M.; Ghasempour, H.; Xia, X.; Zhang, Y.; El-Kady, M. F.; Kaner, R. B.; Mousavi, M. F.	Tailoring Metal-Organic Frameworks and Derived Materials for High-Performance Zinc-Air and Alkaline Batteries	ACS Appl. Mater. Interfaces	2023, 30220-30239	IF=10.38
7	Yousefzadeh, H.; Noori, A.; Rahmanifar, M. S.; Hassani, N.; Neek-Amal, M.; El-Kady, M. F.; Vinu, A.; Kaner, R. B.; Mousavi, M. F.	Partial Sulfidation of the Electrochemically Exfoliated Layered Double Hydroxides toward Advanced Aqueous Zinc Batteries	Adv. Energy Mater.	2023, 2302137	IF=29.69
8	Shen, S.; Chen, Y.; Zhou, J.; Zhang, H.; Xia, X.; Yang, Y.; Zhang, Y.; Noori, A.; Mousavi, M. F. ; Chen, M.; Xia, Y.; Zhang, W.	Microbe-Mediated Biosynthesis of Multidimensional Carbon-Based Materials for Energy Storage Applications	Adv. Energy Mater.	2023, 2204259	IF=29.69
9	Qiu, Z.; Shen, S.; Liu, P.; Li, C.; Zhong, Y.; Su, H.; Xu, X.; Zhang, Y.; Cao, F.; Noori, A.; Mousavi, M. F. ; Chen, M.; He, X.; Xia, X.; Xia, Y.; Zhang, W.; Tu, J.	Plasma Enhanced Lithium Coupled with Cobalt Fibers Arrays for Advanced Energy Storage	Adv. Funct. Mater.	2023, 2214987	IF=19.92
10	Moloudi, M.; Noori, A.; Rahmanifar, M. S.; Shabangoli, Y.; El-Kady, M. F.; Mohamed, N. B.; Kaner, R. B.; Mousavi M. F.	Layered Double Hydroxide Templated Synthesis of Amorphous NiCoFeB as a Multifunctional Electrocatalyst for Overall Water Splitting and Rechargeable Zinc–Air Batteries	Adv. Energy Mater.	2023, 2203002	IF=29.69 (Journal Cover)
11	Shahbazi Farahani, F.; Rahmanifar, M. S.; Noori, A.; El-Kady, M. F.; Hassani, N.; Neek-Amal, M.; Kaner, R. B.; Mousavi M. F.	Trilayer Metal-Organic Frameworks as Multifunctional Electrocatalysts for Energy Conversion and Storage Applications	J. Am. Chem. Soc.	2022, 144, 3411-3428	IF=16.38 (Highly cited)
12	Nazari, M.; Noori, A.; Rahmanifar, M. S.; El-Kady, M. F.; Hassani, N.; Neek-Amal, M.; Kaner, R. B.; Mousavi M. F.	Phase-Dependent Energy Storage Performance of the Ni ₂ S ₃ Polymorphs for Supercapacitor-Battery Hybrid Devices	ACS Appl. Mater. Interfaces	2022, 14, 50900–50912	IF=10.38
13	Khodayar, N.; Noori, A.; Rahmanifar, M. S.; Shabangoli, Y.; Baghervand, A.; El-Kady, M. F.; Hassani, N.; Chang, X.; Neek-Amal, M.; Kaner, R. B.; Mousavi M. F.	Super-Fast and Super-Long-Life Rechargeable Zinc Battery	Adv. Energy Mater.	2022, 12, 2202784	IF=29.69
14	Khodabandehlo, A.; Noori, A.; Rahmanifar, M. S.; El-Kady, M. F.; Kaner, R. B.; Mousavi M. F.	Laser Scribed Graphene–Polyaniline Microsupercapacitor for Internet-of-Things Applications	Adv. Funct. Mater.	2022, 32, 2204555	IF=19.92

15	Zhang, T.; Li, C.; Wang, F.; NooriA.; Mousavi M. F. ; Xia X.; Zhang, Y.	Recent Advances in Carbon Anodes for Sodium-Ion Batteries	<i>Chem. Record</i>	2022 e202200083	IF=6.90 Top Cited Author
16	Dianat, N.; Rahmanifar, M. S.; Noori, A.; El-Kady, M. F.; Chang, X.; Kaner, R. B.; Mousavi M. F.	Polyaniline-Lignin Interpenetrating Network for Supercapacitive Energy Storage	<i>Nano Lett.</i>	2021, 21, 9485-9493	IF=12.26
17	Nazari, M.; Rahmanifar, M. S.; Noori, A.; Li, W.; Zhang, C.; Mousavi M. F.	The ordered mesoporous carbon nitride-graphene aerogel nanocomposite for high-performance supercapacitors	<i>J. Power Sources</i>	2021, 494, 229741	IF=9.79
18	Moloudi, M.; Rahmanifar, M. S.; Noori, A.; Chang, X.; Kaner, R. B.; Mousavi M. F.	Bioinspired polydopamine supported on oxygen-functionalized carbon cloth as a high-performance 1.2 V aqueous symmetric metal-free supercapacitor	<i>J. Mater. Chem. A</i>	2021, 9, 7712-7725	IF=14.51
19	Shabangoli, Y.; El-Kady, M. F.; Nazari, M.; Dadashpour, E.; Noori, A.; Rahmanifar, M. S.; Lv, X.; Zhang, C.; Kaner, R. B.; Mousavi M. F.	Exploration of Advanced Electrode Materials for Approaching High-Performance Nickel-Based Superbatteries	<i>Small</i>	2020, 16, 2001340	IF=15.15
20	Shabangoli, Y.; Rahmanifar, M. S.; Noori, A.; El-Kady, M. F.; Kaner, R. B.; Mousavi, M. F.	Nile Blue Functionalized Graphene Aerogel as a Pseudocapacitive Negative Electrode Material across the Full pH Range	<i>ACS Nano</i>	2019, 13, 12567-12576	IF=18.02
21	Dai, Y.; Li, W.; Chen, Z.; Zhu, X.; Liu, J.; Zhao, R.; Wright, D. S.; Noori, A.; Mousavi M. F. ; Zhang, C.	An air-stable electrochromic conjugated microporous polymer as an emerging electrode material for hybrid energy storage systems	<i>J. Mater. Chem. A</i>	2019, 7, 16397-16405	IF=14.51
22	Noori, A.; El-Kady, M. F.; Rahmanifar, M. S.; Kaner, R.B.; Mousavi M. F.	Towards establishing standard performance metrics for batteries, supercapacitors and beyond	<i>Chem. Soc. Rev.</i>	2019, 48, 1272-1341	IF=60.61, (Highly cited, Back cover)
23	Rahmanifar, M. S.; Hemmati, M.; Noori, A.; El-Kady, M. F.; Mousavi M. F. ; Kaner, R. B.	Asymmetric supercapacitors: An alternative to activated carbon negative electrodes based on earth abundant elements	<i>Mater. Today Energy</i>	2019, 12, 26-36.	IF=9.25
24	Shabangoli, Y.; Rahmanifar, M. S.; El-Kady, M. F.; Noori, A.; Mousavi M. F. ; Kaner, R. B.	Thionine Functionalized 3D Graphene Aerogel: Combining Simplicity and Efficiency in Fabrication of a Metal-Free Redox Supercapacitor	<i>Adv. Energy Mater.</i>	2018, 1802869	IF=29.69
25	Hashemi, M.; Rahmanifar, M. S., El- Kady, M. F., Noori, A., Mousavi M. F. , Kaner, R. B.	The use of an electrocatalytic redox electrolyte for pushing the energy density boundary of a flexible polyaniline electrode to a new limit	<i>Nano Energy</i>	2018, 44, 489-498	IF=19.06
26	Shabangoli, Y., Rahmanifar, M. S., El-Kady, M. F., Noori, A., Mousavi, M. F. , Kaner, R. B.	An integrated electrochemical device based on earth-abundant metals for both energy storage and conversion	<i>Energy Storage Mater.</i>	2018, 11, 282-293	IF =20.83, (Highly cited)
27	Rahmanifar, Mohammad S.; Hesari, Hooman; Noori, Abolhassan; Masoomi, Mohammad Yaser; Morsali, Ali; Mousavi M. F.	A dual Ni/Co-MOF-reduced graphene oxide nanocomposite as a high performance supercapacitor electrode material	<i>Electrochim. Acta</i>	2018, 275, 76-86	IF=7.33, (Highly cited)

28	Wang, L. J.; El-Kady, M. F.; Dubin, S.; Hwang, J. Y.; Shao, Y.; Marsh, K.; McVerry, B.; Kowal, M. D.; Mousavi M. F. ; Kaner, R. B.	Flash Converted Graphene for Ultra-High Power Supercapacitors	<i>Adv. Energy Mater.</i>	2015, 5, 1500786	IF=29.69
29	Shao, Y.; El-Kady, M. F.; Wang, L. J.; Zhang, Q.; Li, Y.; Wang, H.; Mousavi M. F. ; Kaner, R. B.	Graphene-based materials for flexible supercapacitors	<i>Chem. Soc. Rev.</i>	2015, 44, 3639-3665	IF=60.61, (Highly cited)
30	El-Kady, M. F.; Ihns, M.; Li, M.; Hwang, J. Y.; Mousavi M. F. ; Chaney, L.; Lech, A. T.; Kaner, R. B.	Engineering three-dimensional hybrid supercapacitors and microsupercapacitors for high-performance integrated energy storage	<i>PNAS</i>	2015, 112, 4233-4238	IF=12.77, (Highly cited)
31	Pendashteh, A. Moosavifard, S. E.; Rahmanifar, M. S.; Wang, Y.; El-Kady, M. F.; Kaner, R. B.; Mousavi M. F.	Highly Ordered Mesoporous CuCo₂O₄ Nanowires, a Promising Solution for High-Performance Supercapacitors	<i>Chem. Mater.</i>	2015, 27, 3919-3926	IF=10.50, (Highly cited)
32	Ilkhani, H.; Sarparast, M.; Noori, A.; Bathaie, S. Z.; Mousavi M. F.	Electrochemical aptamer/antibody-based sandwich immunosensor for the detection of EGFR, a cancer biomarker, using gold nanoparticles as a signaling probe	<i>Biosens. Bioelectron.</i>	2015, 74, 491-497	IF=11.44, (Highly cited)
33	Pendashteh, A.; Rahmanifar, M. S.; Kaner, R. B.; Mousavi M. F.	Facile synthesis of nanostructured CuCo₂O₄ as a novel electrode material for high-rate supercapacitors	<i>Chem. Commun.</i>	2014, 50, 1972-5	IF=6.22, (Highly cited)
34	Pendashteh, A.; Mousavi M. F. ; Rahmanifar, M. S.	Fabrication of anchored copper oxide nanoparticles on graphene oxide nanosheets via an electrostatic coprecipitation and its application as a supercapacitor	<i>Electrochim. Acta</i>	2013, 88, 347-357	IF=7.33, (Highly cited)

Selected Recent Talks in Conferences

Item No.	Title	Date	Conference/place	Note
1	Design and fabrication of electrochemical nano-biosensors for the investigation of the interaction of some saffron ingredients with DNA	Jul 27– Aug 1, 2017	<i>China-Iran conference on Saffron and natural products; Zhejiang, China</i>	Keynote speaker
2	A quest for nanostructured materials for electrochemical energy storage	Feb 27– Mar 1, 2018	<i>7th International Conference on Nanostructures (ICNS7); Tehran, Iran</i>	Invited speaker
3	Electrochemical energy storage: A survey of our research group activities over the past two decades	Jul 17– 19, 2018	<i>20th Iranian Chemistry Congress; Mashhad, Iran</i>	Keynote speaker

4	Electrochemical energy storage: Challenges and opportunities	Sep 3-5, 2018	25th Iranian Seminar of Analytical Chemistry; Tabriz, Iran	Keynote speaker
5	Nanomaterials in the sectors of electrochemical energy storage	Sep 26-28, 2018	7th International Congress on Nanoscience and Nanotechnology (ICNN7); Tehran, Iran	Keynote speaker
6	Nanostructured materials for the fabrication of the next generation of electrochemical energy storage and conversion devices	Oct 30 - Nov 2, 2018	International Conference on Emerging Advanced Nanomaterials (ICEAN) 2018; Newcastle, Australia	Invited speaker
7	Green synthesis of the BSA-templated metal nanoclusters and investigation of their fabrication in targeted drug delivery	Nov 29-30, 2018	4th Mogan Mountain International Summit on Green Pharmaceuticals; Hangzhou, China	Keynote speaker
8	Synthesis of Nanostructured Materials for Sustainable Energy Storage	Aug 4-9, 2019	70th Annual ISE Meeting (ISE70) Durban, South Africa	Invited speaker
9	Utilization of the nanostructured materials in the electrochemical energy storage systems	Aug 11-14, 2019	5th International Symposium on Electrochemistry Cape Town, South Africa	Invited speaker
10	Nanostructured Materials in Electrochemical Energy Storage Systems	Sep 19, 2019	Department of Applied Chemistry University of Science and Technology of China (USTC), Hefei, Anhui, China	Invited speaker
11	Electrochemical capacitors: from materials design to device fabrication	Oct 20-21, 2020	15th Annual Electrochemistry Seminar of Iran (ECSI2020), TMU, Tehran, Iran	Plenary speaker
12	Supercapacitive Energy Storage with a focus on the Negative Electrode Materials	Nov 18-20, 2020	8th International Conference on Nanostructures (ICNS8), Sharif University of Technology, Tehran, Iran	Invited speaker
13	Electrochemical Energy Storage for Sustaining a Healthy Planet	Jul 26-28, 2022	21st ICS international chemistry congress, Tabriz, Iran	Keynote speaker
14	Development of Advanced Materials for Supercapacitors, Batteries and Water Splitting for Contributing to a Better World	Aug 23-25, 2022	27th Iranian Seminar of Analytical Chemistry (ISAC27), Zanjan, Iran	Plenary speaker
15	Design and Synthesis of Advanced Nanostructured Energy Storage Materials Towards a Zero-Emission Future	Oct 17-21, 2022	4th International Conference on Emerging Advanced Nanomaterials (ICEAN 2022), Newcastle, Australia	Keynote speaker
16	Preparation of Advanced Nanostructured Electrocatalysts for Zinc-Air Batteries	Oct. 23-25, 2023	International Conference on Intangible Cultural Heritage 24 Solar Terms, Life Health and Traditional Chinese Medicine, Zhejiang, China	Keynote speaker
17	Advanced Emerging Materials for Sustainable Hydrogen Production	Jun. 9-12 2024	37th Topical Meeting of the International Society of Electrochemistry Stresa, Italy	Oral speaker
18	Synthesis of Emerging Advanced Electrocatalysts for Overall Water Splitting and Zinc-Air Batteries	Nov. 4-8 2024	5th International Conference on Emerging Advanced Nanomaterials ICEAN 2024, Newcastle, Australia	Keynote speaker

19	Synthesis of Advanced Multifunctional Materials for Green Hydrogen Production	Jan. 29-30, 2025	10 th International Congress on Nanoscience and Nanotechnology, Rafsanjan, Iran	Keynote speaker
20	Advances in Nanostructured Materials for Next-Generation Sustainable Energy Conversion and Storage	Sep. 18, 2025	1 st NSAME-Conference: Sustainable Energy	Invited Speaker

Selected Recent Talks at Universities

I have delivered numerous invited lectures at leading national and international universities, as listed below, and have been repeatedly invited to present lectures at several of these international institutions since 2017.

National Universities

1. *Sharif University of Technology*, Faculty of Physics, Tehran
2. *Birjand University*, Department of Chemistry, Faculty of Sciences, Birjand
3. *Kerman University*, Department of Chemistry, Faculty of Basic Sciences, Kerman
4. *Guilan University*, Department of Chemistry, Faculty of Science, Rasht
5. *Kharazmi University*, Faculty of Chemistry, Tehran,

International Universities

1. *Zhejiang University of Technology* (ZJUT Hangzhou, China), School of Chemical Engineering, 2017-2025
2. *University of Science and Technology, China* (USTC Hefei, Anhui), Applied Chemistry Department, 2019
3. *Zhejiang University* (ZJU, Hangzhou, China), Oct 30, 2023
4. *Yerevan State University* (Yerevan, Armenia), Sep 18, 2024
5. *Soochow University* (Suzhou, Jiangsu province, China), Institute of Functional Nano and Soft Materials, Sep 27, 2024

6. *Zhejiang University of Technology* (ZJUT, Hangzhou, China), College of Materials Science and Engineering, Sep 23, 2025
7. *Zhejiang University of Science and Technology* (ZUST, Hangzhou, China), School of Biological & Chemical Engineering, Sep 24, 2025
8. *Tbilisi State University* (TSU, Georgia), Institute of Inorganic Chemistry and Electrochemistry, Jan 22, 2026

Research Group Alumni:

M.Sc. graduated: 57

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| 1 | Mohammad Reza Almasian, 1995 | 2 | Mohammad Ali Firoozzare, 1995 |
| 3 | Reza Noorhashemi, 1995 | 4 | Siavash Nouroozi, 1995 |
| 5 | Ali Reza Ghiasvand, 1995 | 6 | Nahid Sarlack, 1995 |
| 7 | Mohsen Kashani, 1995 | 8 | Jafar Vatankhah, 1997 |
| 9 | Bahram Shahin, 1997 | 10 | Akbar Malekpour, 1997 |
| 11 | Ali Reza Karami, 1997 | 12 | Ali Reza Jahanshahi, 1998 |
| 13 | Marjan Immami, 1999 | 14 | Mohammad Safi Rahmanifar, 1999 |
| 15 | Shoukat Sahari, 2000 | 16 | Hassan Karami, 2000 |
| 17 | Hossein Heli, 2001 | 18 | Arezo Akbari, 2002 |
| 19 | Mohadesi Zarandi, 2002 | 20 | Shahram Ghasemi, 2003 |
| 21 | Mojdeh Yousef Elahi, 2005 | 22 | Mohammad Ali Kiani, 2006 |
| 23 | Hamidreza Ghenaatian, 2007 | 24 | Niloufar Hosseininassab, 2009 |
| 25 | Afshin Pendashteh, 2009 | 26 | Fatemeh Beigloo, 2010 |
| 27 | Samaneh Mirsian, 2010 | 28 | Ali Abbasi, 2011 |
| 29 | Zahra Bagheryan, 2011 | 30 | Mahdi Abedi, 2011 |
| 31 | Ghasem Darabi-zad, 2012 | 32 | Mohsen Najafi, 2012 |
| 33 | Sima Malelahi, 2013 | 34 | Omid Arabi, 2013 |
| 35 | Pejman Kakvand, 2013 | 36 | Shokoufeh Mokhtari, 2014 |
| 37 | Mohammad Kazem Altafi, 2015 | 38 | Morteza Sarparast, 2015 |

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| 39 | Ali Khodabandehlo, 2016 | 40 | Fatemeh Ghojavand, 2016 |
| 41 | Habibeh Bishkul, 2017 | 42 | Mohadeseh Borghei, 2017 |
| 43 | Afshin Baghervand, 2018 | 44 | Mahsa-Sadat Javadi, 2019 |
| 45 | Maryam Bagherinejad, 2019 | 46 | Parisa Arabkhedri, 2020 |
| 47 | Shadab Afshar, 2020 | 48 | Ali Shakibanasab, 2020 |
| 49 | Abedeh-Sadat Sajjadi, 2022 | 50 | Rezvaneh Rahmani, 2022 |
| 51 | Kosar Labbafi, 2022 | 52 | Mohammad Razavi, 2023 |
| 53 | Mohsen Ghasemi, 2024 | 54 | Mahdiyeh M. Meygooni, 2024 |
| 55 | Ayda Mehravar, 2025 | 56 | Mahdi Alizadeh, 2025 |
| 57 | Fatemeh Majidi, 2025 | | |

Ph.D. graduated: 38

- | | | | |
|----|--|----|--------------------------------------|
| 1 | Dr. Mohsen Barzegar, 2001 (Top 1% ISI Scientist) | 2 | Dr. Abdolvahed Rahmani, 2001 |
| 3 | Dr. Majid Arvand, 2003 | 4 | Dr. Siavash Riahi, 2003 |
| 5 | Dr. Mohammad Safi Rahmanifar, 2003 | 6 | Dr. Habibollah Khajehsharifi, 2005 |
| 7 | Dr. Hassan Karami, 2005 | 8 | Dr. Khadijeh Ghanbari, 2007 |
| 9 | Dr. Shahram Ghasemi, 2007 | 10 | Dr. ali Mehdinia, 2008 |
| 11 | Dr. Mohammad Ali Kiani, 2010 | 12 | Dr. Ehsan Salamifar, 2010 |
| 13 | Dr. Mojdeh Yousef Elahi, 2011 | 14 | Dr. Vali Alizadeh, 2011 |
| 15 | Dr. Hamidreza Ghenaatian, 2011 | 16 | Dr. Ali Hamzehloei, 2013 |
| 17 | Dr. Afshin Pendashteh, 2013
(Scientific Associate Editor, Nature Portfolio) | 18 | Dr. Nasrin Moradi, 2014 |
| 19 | Dr. Fatemeh Beigloo, 2015 | 20 | Dr. Seyed Ebrahim Moosavi-Fard, 2016 |
| 21 | Dr. Samaneh Mirsian, 2016 | 22 | Dr. Masumeh Hashemi, 2016 |
| 23 | Dr. Seyed Rasool Azari, 2017 | 24 | Dr. Masoud Amiri, 2017 |
| 25 | Dr. Hooman Hesari, 2018 | 26 | Dr. Maryam Hemmati, 2019 |
| 27 | Dr. Yasin Shabangoli, 2019 | 28 | Dr. Hamed Alijani, 2020 |
| 29 | Dr. Mahrokh Nazari, 2021 | 30 | Dr. Masumeh Moloudi, 2021 |
| 31 | Dr. Elaheh Dadashpour, 2021 | 32 | Dr. Neda Dianat, 2021 |

33 Dr. Ali Khodabandehlo, 2022

35 Dr. Atefeh Ashoori, 2023

37 Dr. Ebrahim Mousali, 2025

34 Dr. Navid Khodayar, 2022

36 Dr. Hajar Yousefzadeh, 2023

38 Dr. Habibeh Bishkul, 2025

Postdocs Researchers: 8

1. Dr. Abolhassan Noori, 2012-2018
2. Dr. Hoda Ilkhani, 2012-2014
3. Dr. Afshin Pendashteh, 2013-2014
4. Dr. Masumeh Hashemi, 2016-2018
5. Dr. Seyed Mehdi Khoshfetrat, 2017-2018
6. Dr. Fatemeh Shahbazi, 2019-2022
7. Dr. Yasin Shabangoli, 2019-2021
8. Dr. Masumeh Moloudi, Since 2021
9. Dr. Zohre Fahimi, 2023-2025
10. Dr. Navid Khodayar, Since 2024-2025
11. Dr. Ebrahim Mousali, Since 2025

Research Assistant: 1

1. Dr. Abolhassan Noori, 2018-2025

Courses Taught:

BSc Students:

1. General Chemistry
2. Analytical Chemistry I
3. Analytical Chemistry II
4. Instrumental Analysis

MSc Students:

1. Advanced Analytical Chemistry
2. Analytical Electrochemistry
3. Trace Analysis

PhD Students:

1. Modern Techniques for Instrumental Analyses (Since 1998)
2. Modern Electrochemical Methods (Since 2000)

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