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h-index: 109 (Google Scholar Data, March 2025)

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Environmental Nanotechnology, Water and wastewater treatment

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Prof. Dr. Mahmoodi was ranked in Stanford University study of the world's top 2% of scientists in 2024 (Rank = 22 in Chemical Engineering).

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Peer review (1100 reviews for 187 publications/grants)

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PROFESSIONAL INTERESTS

Prof. Dr. Mahmoodi had received BSc and MSc in Chemistry and PhD in Textile Engineering (Environmental Engineering). He published 239 peer-reviewed papers (ISI Thomson Reuters). His research focuses on environmental nanotechnology for water and wastewater treatment including the removal of pollutants using different nanomaterials (nanosheets, nanotubes, nanofibers, nanocomposites and nanoparticles). The main processes are adsorption, advanced oxidation, enzymatic, and membrane.

ACADEMIC POSITIONS

Department of Environmental Research, Institute for Color Science and Technology, Tehran, Iran

* **Full Professor**: June 2019 - Present

** **Associate Professor**: May 2015 - June 2019

*** **Assistant Professor**: January 2011 - May 2015

EDUCATION

* **PhD**: Textile (Environmental) Engineering, Amirkabir University of Technology, Tehran, Iran, 2008 - 2010.

** **MSc**: Applied Chemistry, Amirkabir University of Technology, Tehran, Iran, 2000 - 2003.

*** **BSc**: Chemistry, University of Mazandaran, Babolsar, Iran, 1996 - 2000.

MENTORING, PUBLICATIONS, AND CITATIONS

* **Mentoring:** Research mentor to 20 PhD students, and 54 MSc students.

** **Publications:** Authored 239 articles in peer-reviewed journals (2005-2025).

*** **Citations:** Over 24,000 total citations with an average of 100 citations per published article.

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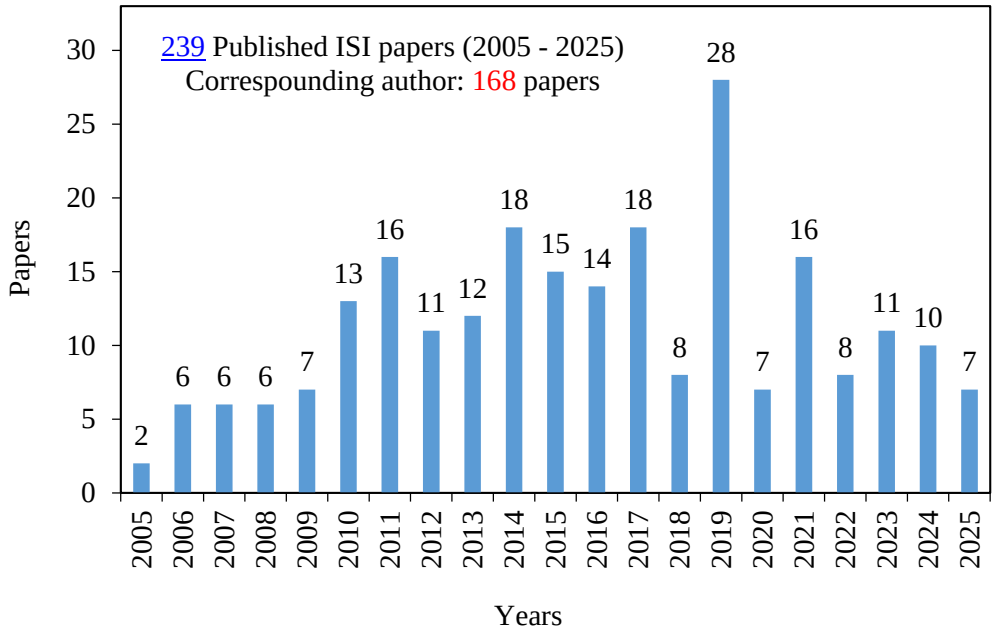

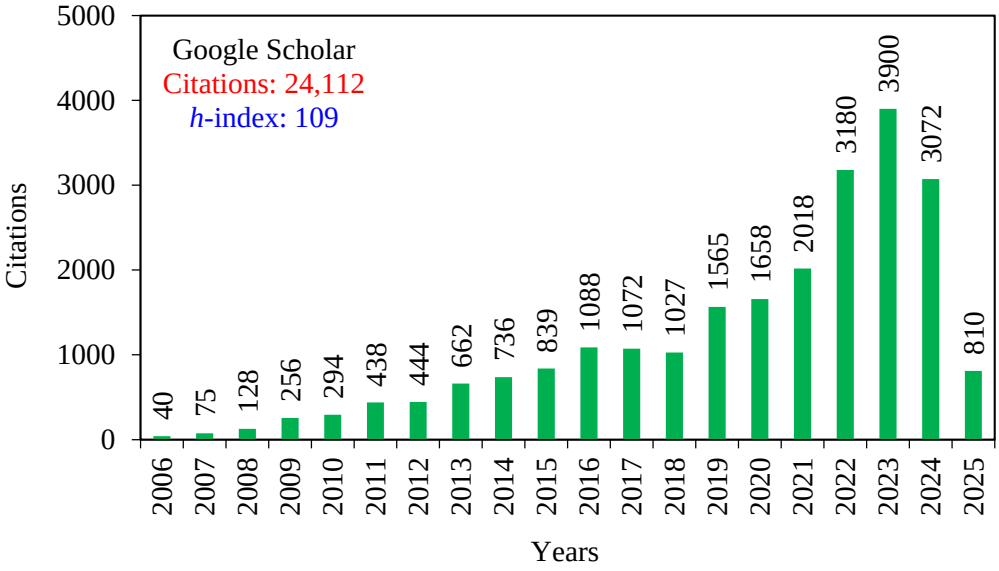

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Rabeie B, Mahmoodi NM*, *Heterogeneous MIL-88A on MIL-88B hybrid: A promising eco-friendly hybrid from green synthesis to dual application (Adsorption and Photocatalysis) in tetracycline and dyes removal,* Journal of Colloid and Interface Science. 654 (**2024**) 495–522.

Mahmoodi NM*, Saffar-Dastgerdi MH, *Clean Laccase immobilized nanobiocatalysts (graphene oxide - zeolite nanocomposites): From production to detailed biocatalytic degradation of organic pollutant.*

Applied Catalysis B: Environmental. 268 (**2020**) 118443.

PUBLICATIONS

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