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*h-index: 102* (Google Scholar Data, April 2024)

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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 2023 (Rank = 38 in Chemical Engineering).

<https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/6>

## PROFESSIONAL INTERESTS

Prof. Dr. Mahmoodi had received BSc and MSc in Chemistry and PhD in Textile Engineering (Environmental Engineering). He published 227 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.

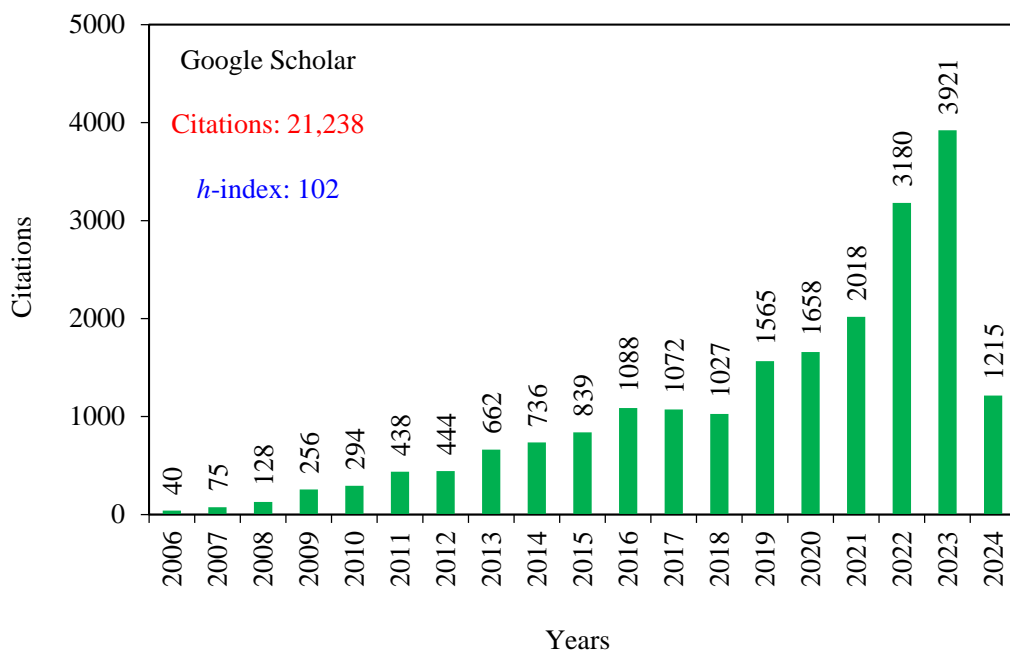
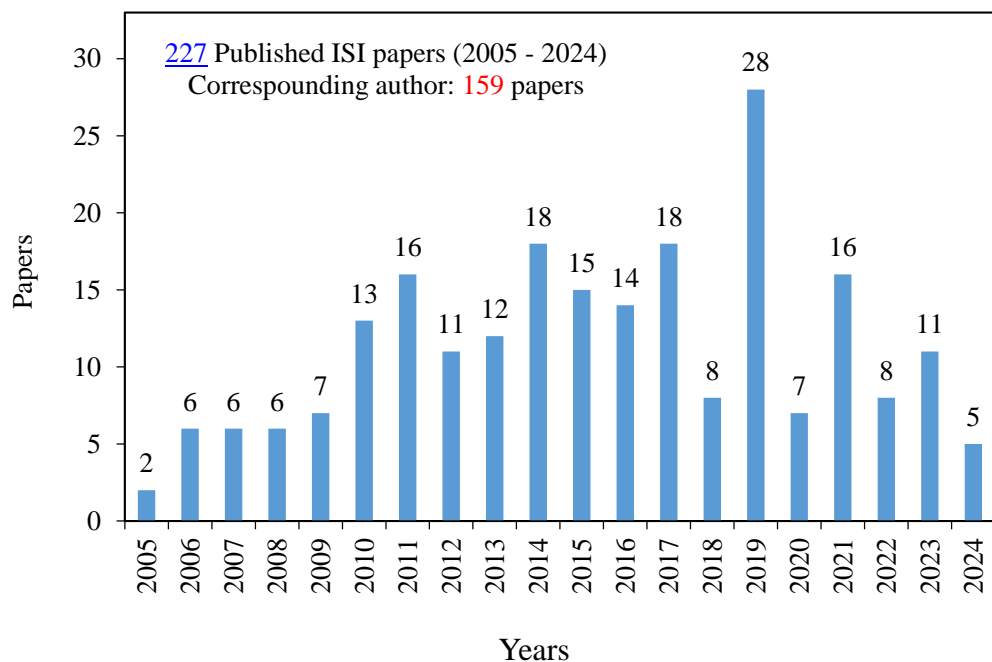
## MENTORING, PUBLICATIONS, AND CITATIONS

\* **Mentoring:** Research mentor to 20 PhD students, and 50 MSc students.

\*\* **Publications:** Authored 227 articles in peer-reviewed journals (2005-2024).

\*\*\* **Citations:** Over 21,200 total citations with an average of 93 citations per published article.

\*\*\*\* **h-index:** 102 (Google Scholar Data, April 2024).



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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- 222 Safardastgerdi M, Ardejani FD, Mahmoodi NM\*, *Lignocellulosic biomass functionalized with EDTA dianhydride for removing Cu (II) and dye from wastewater: Batch and fixed-bed column adsorption*. [Minerals Engineering](#). 204 (2023) 108423 (December 2023).
- 221 Shahmansoori M, Yaghmaei, S, Mahmoodi NM\*, *Zeolitic imidazolate framework biocomposite as a visible light-assisted photocatalyst: Synthesis (in-situ and blending), regeneration, and decolorization of Malachite Green*. [Journal of Industrial and Engineering Chemistry](#). 128 (2023) 472-486 (December 2023).
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