Niyaz Mohammad Mahmoodi

Full Professor

h-index: 114 (Google Scholar Data, November 2025)

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Google Scholar

Niyaz Mohammad Mahmoodi

Prof. Dr. at Institute for Color Science and Technology
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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 = 6 in Chemical Engineering).

https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/8

Peer review (1243 reviews for 195 publications/grants)

PROFESSIONAL INTERESTS

Prof. Dr. Mahmoodi had received BSc and MSc in Chemistry and PhD in Textile Engineering (Environmental Engineering). He published 247 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 247 articles in peer-reviewed journals (2005-2026).

*** **Citations:** Over 26,300 total citations with an average of 106 citations per published article.

**** ***h*-index: 114** (Google Scholar Data, November 2025).

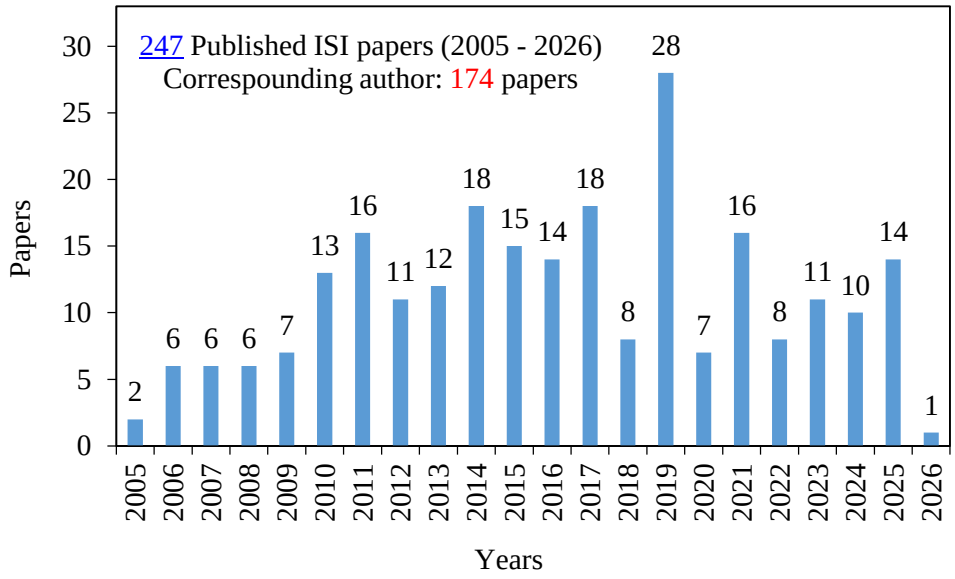
*** Editor-in-Chief: *Sustainable Chemical Engineering***
https://ojs.wiserpub.com/index.php/SCE/about/editorialTeam

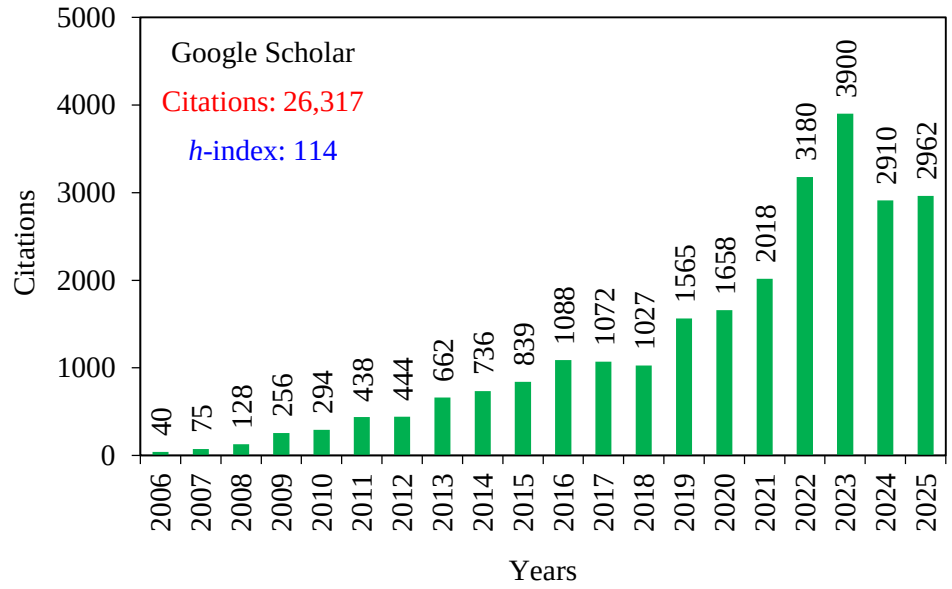
**** Editorial Board: *Collagen and Leather***

https://jlse.springeropen.com/about/editorial-board


Mahmoodi, Niyaz Mohammad
Institute for Color Science and Technology
Rank: 1687
Main Field: Engineering
Sub Field: Chemical Engineering
Rank in the SubField: 6.0
H-index: 25, Hm-index: 14
Top 2% Listed Year(s): 2025, 2024, 2023, 2022, 2021, 2020
"Single Year" Data
TOP 2% SCIENTISTS
The data is verified and sourced from ELSEVIER and Stanford University's Top 2% Scientists list.
www.TopSciNet.com


Mahmoodi, Niyaz Mohammad
Institute for Color Science and Technology
Rank: 5363
Main Field: Engineering
Sub Field: Chemical Engineering
Rank in the SubField: 18.0
H-index: 104, Hm-index: 46
Top 2% Listed Year(s): 2025, 2024, 2023, 2022, 2021, 2020
"Career Long" Data
TOP 2% SCIENTISTS
The data is verified and sourced from ELSEVIER and Stanford University's Top 2% Scientists list.
www.TopSciNet.com





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. **(Impact factor: 19.5)**

Mahmoodi NM*, Bagherzadeh SB, *Synthesis of binary and ternary MOF/carbon based composites (MOF/Carbon nitride/Graphene oxide) for the visible-light assisted destruction of Tetracycline and textile dye.*

Nano Materials Science. 7 (**2025**) 359-376. **(Impact factor: 17.9)**

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. **(Impact factor: 9.7)**

PUBLICATIONS

247 Mahmoodi NM*, Bagherzadeh SB, *Synthesis of binary and ternary MOF/carbon based composites (MOF/Carbon nitride/Graphene oxide) for the visible-light assisted destruction of Tetracycline and textile dye.* Nano Materials Science. 7 (**2025**) 359-376 (June 2025).

246 Mahmoodi NM*, Soroush S, Bagherzadeh SB, Mahmoodi B, Hayati B, Sorkheh M, *Ternary MIL-101(Fe)/TiO2/GO composites: synthesis, characterization, and photocatalytic performance.* Inorganic Chemistry Communications. 183 (**2026**) 359-376 (January 2026).

245 Rabeie B, Mahmoodi NM*, *Green synthesis of biopolymer-driven dual functional carboxymethyl cellulose composite (CMC/MIL100(Fe)/MIL88A(Al)) as a Z-Scheme photocatalyst and an adsorbent for Water Pollutants.* International Journal of Biological Macromolecules. 329 (**2025**) 147358 (November 2025).

244 Rabeie B, Mahmoodi NM*, *Environmentally friendly novel covalent organic framework composites as porous photocatalysts and adsorbents for Tetracycline and dyes (Congo Red and Methylene Blue) removal: Green synthesis, kinetics, regeneration, and removal mechanisms.* Applied Materials Today. 46 (**2025**) 102884 (October 2025).

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