



## Masood Salavati Niasar

Professor

College: Faculty of Chemistry

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### Education

Degree	Graduated in	Major	University
BSc	1992	Applied Chemistry	University of Isfahan
MSc	1995	Inorganic Chemistry	Isfahan University of Technology
Ph.D	2000	Inorganic Chemistry	University of Tehran

### Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
University Of Kashan	Assistant Professor	Tenured	Full Time	

### Papers in Journals

1. [ErMnO<sub>3</sub>/Er<sub>2</sub>Mn<sub>2</sub>O<sub>7</sub>/ZnO/GO multi-component nanocomposite as a promising material for hydrogen storage: Facile synthesis and comprehensive investigation of component roles, Journal of Energy Storage, 2023 04 04, SCOPUS ,JCR.](#)
2. [Wenya Lei, Chaofan Zhang, Rui Qiao, Mahalingam Ravivarman, Haixia Chen, Farshad Boorboor Ajdari, Masoud Salavati, & Niasari, Jiangxuan Song, Stable Li|LAGP Interface Enabled by Confining Solvate Ionic Liquid in a Hyperbranched Polyanionic Copolymer for NASICON-Based Solid-State Batteries, ACS Applied Energy Materials, 2023 04 04, SCOPUS ,JCR.](#)
3. [فاطمه برگزینی et al., Development and performance analysis of a 316 stainless steel autoclave for facile fabrication of carbon nanoarchitectures derived from natural potato and starch, Journal of Materials Research and Technology, 2023 02 06, SCOPUS ,JCR.](#)
4. [مهین بلدی et al., Green sol-gel synthesis of hydroxyapatite nanoparticles using lemon extract as capping agent and investigation of its anticancer activity against human cancer cell lines \(T98, and SHSY5\), Arabian Journal of Chemistry, 2023 02 01, SCOPUS ,JCR.](#)
5. [جواد ابراهیمیان et al., Rosa Damascena mediated ZnO-Red Ochre nanocomposite for the electrochemical determination of 5-Fluorouracil, Arabian Journal of Chemistry, 2023 01 25, SCOPUS ,JCR.](#)
6. [سمیرا علی نواز , مریم غیثیان ارانی , مسعود صلواتی نیاسری , Enhanced hydrogen storage capacity of NiAl-](#)

- layered double hydroxide modified with Tb<sub>3</sub>Fe<sub>5</sub>O<sub>12</sub> nanostructures, *International Journal of Hydrogen Energy*, 2023 01 17, SCOPUS, JCR.
7. علی صالح آبادی et al., Progress on nano-scaled alloys and mixed metal oxides in solid-state hydrogen storage; an overview, *Journal of Energy Storage*, 2023 01 17, SCOPUS, JCR.
  8. پوریا مهدی زاده et al., Rapid microwave fabrication of new nanocomposites based on Tb-Co-O nanostructures and their application as photocatalysts under UV/Visible light for removal of organic pollutants in water, *Arabian Journal of Chemistry*, 2023 01 16, SCOPUS, JCR.
  9. مسعود صلواتی نیاسری, مهناز امیری, مهین بلدی, Green sol-gel auto-combustion synthesis, characterization and study of cytotoxicity and anticancer activity of ErFeO<sub>3</sub>/Fe<sub>3</sub>O<sub>4</sub>/rGO nanocomposite, *Arabian Journal of Chemistry*, 2023 01 13, SCOPUS, JCR.
  10. رضا محصل et al., Boosting H<sub>2</sub> storage capability of Er<sub>2</sub>O<sub>3</sub> manganite by adding CuO and g-C<sub>3</sub>N<sub>4</sub> in the form of a four component nanocomposite, *International Journal of Hydrogen Energy*, 2022 12 31, SCOPUS, JCR.
  11. مسعود صلواتی نیاسری, فرزان صمیمی, مریم غیاثیان آرانی, Sarab W. Alwash, A study of relative electrochemical hydrogen storage capacity of active materials based on Zn<sub>3</sub>Mo<sub>2</sub>O<sub>9</sub>/ZnO and Zn<sub>3</sub>Mo<sub>2</sub>O<sub>9</sub>/ZnMoO<sub>4</sub>, *International Journal of Hydrogen Energy*, 2022 12 28, SCOPUS, JCR.
  12. عاطفه کرمی et al., Microwave synthesized erbium vanadate nanophotocatalyst: Application for enhanced degradation of contaminated water, *International Journal of Hydrogen Energy*, 2022 12 21, SCOPUS, JCR.
  13. مسعود صلواتی نیاسری, فرزاد نامور, Makarim A. Mahdi, فرشته مشکانی, Multidisciplinary green approaches (ultrasonic, coprecipitation, hydrothermal, and microwave) for fabrication and characterization of Erbium promoted Ni-Al<sub>2</sub>O<sub>3</sub> catalyst for CO<sub>2</sub> methanation, *Arabian Journal of Chemistry*, 2022 12 07, SCOPUS, JCR.
  14. مسعود صلواتی نیاسری, مولود ولیان, علی صالح آبادی, Enhanced electrochemical hydrogen storage performance of titanate-based nanostructures synthesized by facile auto-combustion: Li<sub>2</sub>TiO<sub>3</sub> nanostructures versus LaTiO<sub>3</sub> nanoperovskites, *International Journal of Hydrogen Energy*, 2022 11 23, SCOPUS, JCR.
  15. اعظم جعفری نژاد, حدیث بشیری, مسعود صلواتی نیاسری, Sonochemical synthesis and characterization of CuInS<sub>2</sub> nanostructures using new sulfur precursor and their application as photocatalyst for degradation of organic pollutants under simulated sunlight, *Arabian Journal of Chemistry*, 2022 05 27, SCOPUS, JCR.
  16. Wenya Lei, Xingxing Jiao, Shugui Yang, Farshad Boorboor Ajdari, Masoud Salavati, & Niasari, Yangyang Feng, Jianqing Yin, Goran Ungar, Jiangxuan Song, Temperature and stress-resistant solid state electrolyte for stable lithium-metal batteries, *Energy Storage Materials*, 2022 04 10, SCOPUS, JCR.
  17. مسعود صلواتی نیاسری, مهدي شبنانی نوش آبادی, رضا محصل, Effect of g-C<sub>3</sub>N<sub>4</sub> amount on green synthesized GdFeO<sub>3</sub>/g-C<sub>3</sub>N<sub>4</sub> nanocomposites as promising compounds for solid-state hydrogen storage, *International Journal of Hydrogen Energy*, 2022 03 16, SCOPUS, JCR.
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  19. Catechin mediated green synthesis of Au nanoparticles: Experimental and theoretical approaches to the determination HOMO-LUMO energy gap and reactivity indexes for the (+)-epicatechin (2S, 3S), *Arabian Journal of Chemistry*, 2022 02 16, SCOPUS, JCR.
  20. سعید مشتاقی, مسعود همدانیان, مسعود صلواتی نیاسری, A simple hydrothermal route for the preparation of novel Na-Y-W nano-oxides and their application in dye degradation, *RSC Advances*, 2022 02 08, SCOPUS, JCR.
  21. Improved pechini sol-gel fabrication of Li<sub>2</sub>B<sub>4</sub>O<sub>7</sub>/ NiO/Ni<sub>3</sub>(BO<sub>3</sub>)<sub>2</sub> nanocomposites to advanced photocatalytic performance, *Arabian Journal of Chemistry*, 2022 02 07, SCOPUS, JCR.
  22. مولود ولیان, مریم مسجدی آرانی, مسعود صلواتی نیاسری, Agaricus bisporus extract as an excellent biotemplate agent for the synthesis of nano-plate Dy<sub>2</sub>Ti<sub>2</sub>O<sub>7</sub>/g-C<sub>3</sub>N<sub>4</sub> and its application in

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27. Sonochemical synthesis and characterization of aluminum tungsten oxide nanoparticle and study its impact on the growth of microalga, *Arabian Journal of Chemistry*, 2021 12 29, SCOPUS ,JCR.

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39. زینب طالب زاده , مریم مسجدی آرانی , امید امیری , مسعود صلواتی نیاسری , La<sub>2</sub>Sn<sub>2</sub>O<sub>7</sub>/g-C<sub>3</sub>N<sub>4</sub> nanocomposites: Rapid and green sonochemical fabrication and photo-degradation performance for

- removal of dye contaminations, *Ultrasonics Sonochemistry*, 2021 07 24, SCOPUS ,JCR.
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