



## Masood Salavati Niasar

Professor

College: Faculty of Chemistry

Department: Inorganic Chemistry

### 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. [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.](#)
2. [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.](#)
3. [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.](#)
4. [Sonochemistry fabrication of Er<sub>2</sub>Sn<sub>2</sub>O<sub>7</sub> nanoparticles with advanced photocatalytic performance of their carbonic nanocomposites, International Journal of Hydrogen Energy, 2022 02 23, SCOPUS, JCR.](#)
5. [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.](#)

6. 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.
7. 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.
8. 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 electrochemical hydrogen storage, Fuel, 2022 02 04, SCOPUS, JCR.
9. Nanocomposite scaffolds based on gelatin and alginate reinforced by Zn<sub>2</sub>SiO<sub>4</sub> with enhanced mechanical and chemical properties for tissue engineering, Arabian Journal of Chemistry, 2022 01 28, SCOPUS, JCR.
10. et al., Ca<sub>19</sub>Zn<sub>2</sub>(PO<sub>4</sub>)<sub>14</sub> Nanoparticles: Synthesis, characterization and its effect on the colonization of Streptococcus mutans on tooth surface, Journal of Molecular Liquids, 2022 01 22, SCOPUS, JCR.
11. رزیتا منصف, & مسعود صلواتی نیاسری, Electrochemical sensor based on a chitosan-molybdenum vanadate nanocomposite for detection of hydroxychloroquine in biological samples, Journal of Colloid and Interface Science, 2022 01 10, SCOPUS, JCR.
12. مسعود صلواتی نیاسری, Qahtan A. Yousif, فاطمه یوسف زاده, Fabrication of TiSn<sub>3</sub>/C<sub>3</sub>N<sub>4</sub> nanocomposites for enhanced photodegradation of toxic contaminants below visible light and investigation of kinetic and mechanism of photocatalytic reaction, Journal of Molecular Liquids, 2022 01 07, SCOPUS, JCR.
13. 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.
14. Qahtan A. Yousif et al., Morphology engineering of LiFeO<sub>2</sub> nanostructures through synthesis controlling for electrochemical hydrogen storage inquiries, Fuel, 2021 12 25, SCOPUS, JCR.
15. مسعود صلواتی نیاسری, Qahtan A. Yousif, کامران مهدوی, سحر زینتلو عجب شیر, Enhanced photocatalytic degradation of toxic contaminants using Dy<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> ceramic nanostructured materials fabricated by a new, simple and rapid sonochemical approach, Ultrasonics Sonochemistry, 2021 12 24, SCOPUS, JCR.
16. Green fabrication of graphene quantum dots from cotton with CaSiO<sub>3</sub> nanostructure and enhanced photocatalytic performance for water treatment, International Journal of Hydrogen Energy, 2021 12 24, SCOPUS, JCR.
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19. سید میلاد طباطبایی نژاد, سحر زینتلو عجب شیر, امید امیری, مسعود صلواتی نیاسری, Magnetic Lu<sub>2</sub>Cu<sub>2</sub>O<sub>5</sub>-based ceramic nanostructured materials fabricated by a simple and green approach for an effective photocatalytic degradation of organic contamination, RSC Advances, 2021 12 16, SCOPUS, JCR.
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21. مولود ولیان, مسعود صلواتی نیاسری, Qahtan A. Yousif, مهین بلدی, Auto-combustion synthesis of Sr<sub>2</sub>Fe<sub>2</sub>O<sub>5</sub>/Dy<sub>3</sub>Fe<sub>5</sub>O<sub>12</sub> nanocomposite using Hordeum vulgare L extract: Preparation, structural analysis and evaluation of its photocatalytic and electrochemical behaviors, Journal of Alloys and Compounds, 2021 12 02, SCOPUS, JCR.
22. Omid Amiri, Arazw Abdalrahman, Govand Jangi, Haval Aziz Ahmed, Safin Hassan Hussein, Mohammad Joshaghani, Riyadh Zainadin Mawlood, Masoud Salavati, & Niasari, Convert mechanical energy to chemical energy to effectively remove organic pollutants by using PTO catalyst, Separation

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24. Toxicity of  $\text{Nd}_2\text{WO}_6$  nanoparticles to the microalga *Dunaliella salina*: synthesis of nanoparticles and investigation of their impact on microalgae,RSC Advances,2021 08 10,SCOPUS ,JCR.

25.  $\text{La}_2\text{Sn}_2\text{O}_7/\text{g-C}_3\text{N}_4$  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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simple and green sonochemical approach, *Ultrasonics Sonochemistry*, 2020 12 29, SCOPUS, JCR.

40. Synthesis and characterization of cotton-silver-graphene quantum dots (cotton/Ag/GQDs) nanocomposite as a new antibacterial nanopad, *Chemosphere*, 2020 12 11, SCOPUS, JCR.

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42. Insight into Effects of Graphene and Zinc Oxide in Li<sub>4</sub>Ti<sub>5</sub>O<sub>12</sub> as Anode Materials for Li-Ion Full-Cell Battery, *International Journal of Hydrogen Energy*, 2020 08 03.

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44. Amino acid assisted-synthesis and characterization of magnetically retrievable ZnCo<sub>2</sub>O<sub>4</sub>-Co<sub>3</sub>O<sub>4</sub> nanostructures as high activity visible-light-driven photocatalyst, *International Journal of Hydrogen Energy*, 2020 07 27.

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