



Soodabe Seifi

Details

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About me

Soodabe Seifi holds a PhD in analytical chemistry from Kashan University. Dr. Soodabe Seifi has been able to publish several scientific and specialized articles on plant extraction, synthesis of nanomaterials and electrochemical hydrogen storage in prestigious international journals.

Project

- Removal of chromium from electroplating process effluent by doped activated carbon obtained from natural biomass
- Investigation of the electrochemical hydrogen storage and photocatalytic properties of nanocomposites synthesized by green chemistry

Experiences

Assistant professor of Analytical chemistry, Technical and Vocational University, Kermanshah, Iran

Education

PhD

Analytical Chemistry
Kashan University
Kashan, Isfahan, Iran
2015-2019

Master

Analytical Chemistry
Rai University
Kermanshah, Iran
2002-2004

Bachelor

Pure Chemistry
Razi University
Kermanshah, Iran
1998-2002

Publications

- Ghasemi, Jahanbakhsh, Soodabe Seifi, Mozafar Sharifi, Rostam Ghorbani, and Ali Amini. "Simultaneous kinetic spectrophotometric determination of ascorbic acid and L-cysteine by H-point standard addition method." *Microchimica Acta* 148, no. 3 (2004): 259-265.
- Ghasemi, J., and S. Seifi. " β -Correction as a preprocessing method for partial least squares in simultaneous determination of zinc and lead." *Talanta* 63, no. 3 (2004): 751-756.
- Seifi, Hooman, Saeed Masoum, Soodabe Seifi, and Ebrahim Haghiri Ebrahimabadi. "Chemometric resolution approaches in characterisation of volatile constituents in *Plantago ovata* seeds using gas chromatography–mass spectrometry: methodology and performance assessment." *Phytochemical Analysis* 25, no. 3 (2014): 273-281.
- Seifi, Hooman, Saeed Masoum, and Soodabe Seifi. "Performance assessment of chemometric resolution methods utilized for extraction of pure components from overlapped signals in gas chromatography–mass spectrometry." *Journal of Chromatography A* 1365 (2014): 173-182.
- Gholami, Tahereh, Masoud Salavati-Niasari, and Shokufeh Varshoy. "Investigation of the electrochemical hydrogen storage and photocatalytic properties of CoAl₂O₄ pigment: Green synthesis and characterization." *International journal of hydrogen energy* 41.22 (2016): 9418-9426.
- Seifi, Soodabe, and Saeed Masoum. "Preparation of copper oxide/oak-based biomass nanocomposite for electrochemical hydrogen storage." *International Journal of Hydrogen Energy* 44, no. 23 (2019): 11979-11988.

Honor

- The top researchers of Kashan University 2020.
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Book

Translation English to Persian:
Chemistry in daily life

Language

English
Persian
Kurdish
Arabic

Skills

MS Word
PowerPoint
MS Excel
MATLAB

- Seifi, Hooman, Saeed Masoum, Seyed Ali Hosseini Tafreshi, Soodabe Seifi, and Seyed Mostafa Jafari. "Highly porous carbon from microalga, *Chlorella vulgaris*, as an electrochemical hydrogen storage material." *Journal of The Electrochemical Society* 167, no. 12 (2020): 120525.
- Seifi, Soodabe, and Saeed Masoum. "Synthesis of Co₉S₈@ N, S co-doped porous carbon core-shell nanocomposite with highly coulombic efficiency in electrochemical hydrogen storage application." *Journal of The Electrochemical Society* 167, no. 11 (2020): 110539.
- Seifi, Soodabe, and Saeed Masoum. "Significantly enhanced electrochemical hydrogen storage performance of biomass nanocomposites from *Pistacia Atlantica* modified by CuO nanostructures with different morphologies." *International Journal of Hydrogen Energy* 46, no. 11 (2021): 8078-8090.
- Seifi, Hooman, Tahereh Gholami, Soodabe Seifi, Sayed Mehdi Ghoreishi, and Masoud Salavati-Niasari. "A review on current trends in thermal analysis and hyphenated techniques in the investigation of physical, mechanical and chemical properties of nanomaterials." *Journal of Analytical and Applied Pyrolysis* 149 (2020): 104840.

Conferences

- 8th International e-congress on Nanoscience & Nanotechnology, Mashhad University of Medical Sciences.
- 8th International Conference on Nanostructures (ICNS8), Sharif university
- International congress on Nanoscience and Nanotechnology, Research Institute of Petroleum Industry
- 8th Biennial Iranian Chemometrics Seminar, Tarbiat Modares University
- 19th Iranian seminar of Analytical chemistry, Ferdowsi University of Mashhad
- 13th Iranian seminar of Analytical chemistry, Ferdowsi University of Mashhad
- 12th Iranian seminar of Analytical chemistry, Mazandaran University