



# Saeed Zakavi

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## Publications

### Journals

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- Nasrin Ghanbari, Saeed Zakavi, "Photosensitizing activity of phthalocyanine derivatives dispersed on nanostructured amberlyst 15: Free base vs. metal complexes", *Dyes and Pigments*, Vol. 224, NO. 1, pp. 111999-112010, 3, 2024, doi: <https://doi.org/10.1016/j.dyepig.2024.111999>
- Issa Sardivand-chegini, Saeed Zakavi,\* and Mohammad Ali Rezvani, "Periodate-Mediated Aerobic Oxidation of Sulfides over a Bifunctional Porphyrin-polyoxometalate Catalyst: Photosensitized Singlet Oxygen Oxidation of Iodate to Periodate", *Inorganic Chemistry*, Vol. 62, NO. 33, pp. 13387-13399, 8, 2023, doi: <https://doi.org/10.1021/acs.inorgchem.3c01740>
- Ali Mohammadi, Saeed Zakavi, Hamid Rashidzadeh, Neda Adibpour, Jaleh Karimi Moghadam, Behrooz Johari, Hossein Danafar, "The fabrication of albumin- Tetraphenylporphyrin -metronidazole nanosystem as potential photosensitizers/radiosensitizers for radiation-induced cancer therapy", *Inorganic Chemistry Communications*, Vol. 153, NO. 1, pp. 110841-110848, 5, 2023, doi: <https://doi.org/10.1016/j.inoche.2023.110841>
- Saeed Zakavi, Narges Nazari, Issa Sardivand-chegini, Farzaneh Qodrati-nasrabadi, "A porphyrin derivative with highly red shifted and intensified absorption bands immobilized into the



mesopores of nanostructured amberlite: Synthesis, characterization and photocatalytic activity", *Journal of Photochemistry & Photobiology, A: Chemistry*, Vol. 442, NO. 1, pp. 114751-114761, 2023, doi:

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- Ghanbari, Nasrin and Zakavi, Saeed, "A hypervalent iodine secondary oxidant synthesized by photosensitized singlet oxygen: Synthesis, characterization and oxidative reactivity", *Journal of Catalysis*, Vol. 405, NO. 3, 2022
- Mostafa Malek-mohammadi, Akram Heydari-turkmani, Saeed Zakavi, Nasser Nikfarjam, "Manganese porphyrins/mesoporous amberlyst 15 nanocomposites: Robust biomimetic catalysts for aqueous oxidation of olefins", *Applied Organometallic Chemistry*, 10, 2022, doi: [https://doi.org/10.1002/aoc.692710990739\\_0](https://doi.org/10.1002/aoc.692710990739_0), Downloaded from <https://onlinelibrary.wiley.com/doi/10.1002/aoc.6927> by Kwame Nkrumah Univ of Sci & Te, Wiley Online Library on [25/10/2022]. See the Term
- Fozeieh Nami, Aida G. Mojarrad, Saeed Zakavi, "Short time biomimetic oxidation of styrene with aqueous hydrogen peroxide: Crucial roles played by acetic acid", *Polyhedron*, Vol. 207, 10, 2021, doi: <https://doi.org/10.1016/j.poly.2021.115377>
- Nasrin Ghanbari, Saeed Zakavi, "A hypervalent iodine secondary oxidant synthesized by photosensitized singlet oxygen: Synthesis, characterization and oxidative reactivity", *Journal of Catalysis*, 12, 2021, doi:



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- Saeed Zakavi, Hadi Yavari, Akram Heydari-turkmani, Leila Alghooneh, "Effect of degree of  $\beta$ -chlorination on photocatalytic activity of meso-tetraphenylporphyrin under homogeneous and nanoscale heterogeneous conditions: Chlorination vs. bromination", Journal of Catalysis, Vol. 387, 4, 2020, doi: <https://doi.org/10.1016/j.jcat.2020.04.018>
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- Raheleh Nasrollahi, Luis Martín-Gomis, Fernando Fernández-Lázaro, Saeed Zakavi and Ángela Sastre-Santos, "Effect of the Number of Anchoring and Electron-Donating Groups on the Efficiency of Free-Base- and Zn-Porphyrin-Sensitized Solar Cells", *Materials*, Vol. 12, NO. 4, 2, 2019, doi: <https://doi.org/10.3390/ma12040650>
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