Dear Dr. Matjaž Kristl,

Thank you for your letter. The paper has been corrected as required by the reviewers.

Thank you for considering publication of our paper.

With best regards,

Dr. Xue

Revisions for Reviewer A:

- Chapter 2.7 (General method for styrene Oxidation) is completely the same as chapter 2.4 from published article “Syntheses, structures and electrochemistry of manganese(III) complexes derived from N,N0-o-phenylenebis(3-ethoxysalicylaldimine): Efficient catalyst for styrene epoxidation” in Polyhedron 28 (2009) 2473-2479. You should rewrite this chapter as a short summary and make an appropriate citation.

Re: The chapter 2.7 has been rewritten, and the literature is cited.

- The work has been carried out with fair expertise, but I missed some more characterizations (UV-VIS, mass spectroscopic studies, magnetic measurement, TGA and electrochemistry characterization). The catalytic properties only discuss theory and tell me nothing of the actual complexes.

Re: The UV-Vis characterization is given. The catalytic properties are discussed in detail.

Revisions for Reviewer E:

1. The Introduction is short and too general. A more detailed review of the literature must be given. A review of the Crystallographic Structural Database is also required.

Re: The Introduction is described more detail.

2. Section 2.1. Materials and Measurements:

[MoO2(acac)2] should be listed as one of the reagents.

Re: Corrected.

3. Section 2.6. Data Collection, Structural Determination and Refinement:

The crystal structures of the complexes must be solved and refined again in order to remove level A alerts. After all, a new CheckCIF procedure should be performed and submitted.

Re: The cif files are corrected to remove all level A alerts. New checkcif reports are given.

4. Section 2.7. General Method for Styrene Oxidation:

The chemical formulas of iodosylbenzene and sodium hypochlorite should be given, because they have been used in Section 3.5.

Re: The chemical formulas of iodosylbenzene (PhIO) and sodium hypochlorite (NaClO) are given.

5. Sections 3.2. and 3.3:

Complexes 1 and 2 are very similar in shape, so their crystal structures should be described simultaneously and differences between them should be emphasized.

Re: The sections 3.2 and 3.3 are combined.

Authors should avoid repeating the same or similar sentences, for example LINE 129: ”The coordination geometry around the Mo atom is highly distorted octahedral.” and LINES 131–132: “The coordination geometry around the Mo atom can be described as distorted octahedral.”, etc.

Re: The second sentence is omitted.

The use of the phrase "hydrazone ligand" in the description of the crystal structures of complexes is wrong, because of deprotonation of hydrazone molecules HL1 and HL2. The phrases “ligand L1” and “ligand L2” for complexes 1 and 2, respectively, should be used instead.

Re: Corrected.

The following bond lengths should also be commented and compared with literature data: C6–C7, C7–N1, N1–N2, N2–C8 and C8–O2. The authors should mention that the ligand L2 occurs in ULEYOB (CSD-Code).

Re: The bond lengths are commented and compared.

There are stacking π-π interactions in both complexes as well as Cl···π interactions in complex 1 and Cl···O interactions in complex 2 that affect the formation of the crystal packing of complexes. They should also be mentioned and discussed.

Re: The weak interactions are mentioned and discussed.

6. Section 3.4. IR Spectra:

Keto-imine tautomerism is present in molecules HL1 and HL2. Upon coordination to Mo atom, enol-imine tautomerism is present in ligands L1 and L2.

Re: This has been mentioned.

LINES 206–208: “The weak peaks in the low wave numbers in the region 450–800 cm-1 may be attributed to Mo-O and Mo-N bonds of the complexes.”

The reference should be given.

Re: The reference is given.

7. Typing errors should be removed.

Re: Corrected.