Review of: "Nanomaterials: History, Production, Properties, Applications, and Toxicities"

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Potential competing interests: No potential competing interests to declare.

This review deals with nanomaterials from several aspects.

As an article that introduces typical nanomaterials for the general public, it is considered acceptable to the government, and there is no problem with it. (0) P10, in Section 5 (Social Impact), please also mention the "economic effects," such as patent income and cost reduction, brought about by nanomaterials as industrial products. From a social science perspective, this is probably the biggest concern of the general public.

Also, some minor points should be corrected before acceptance. For example,

(1) Undefined abbreviations may be used, e.g., P3 “IOP,” and so on.

(2) Defined abbreviations may not be used, e.g., P4 Methyl parathion → MP (because it is stated after Methyl parathion (MP) in the previous line).

(4) Authors' names referred to should be uniform, for example, P4 Shi Su → Su. ; P11 {Abbasi, 2019 #604} ???.

(5) Commonly-used abbreviations should be used properly, e.g., P4 America → USA (in P3, the UK was used)

(6) In section 3, the classification should be more clear.

- d. Energy storage → d. Energy generation and storage (because a fuel cell is not a storage but a generation device.)
- f. Photocatalysis (The most typical material, TiO2, was also mentioned in b. Water treatment.)
- f. Photocatalysis (Carbon-based NPs is a different category from P5, 2 NPs and NMs (a) and (b), which may be confusing.)

That's all.