**PHILOSOPHY** 

## IS SCIENCE SELF-CORRECTING?

18.01.2020

This was the recent (friendly) response of an editor. He wrote to me, that if there are any real errors, they would be corrected by later papers.

I don't think so. Even if somebody else will notice the errors, it will not be published. Even if published it will not be noticed. <a href="mailto:@aceilalkhatib">@aceilalkhatib</a> pointed me to <a href="mailto:Sci Eng Ethics">Sci Eng Ethics</a> (2017) <a href="mailto:23:1213-1226">23:1213-1226</a>

"Fortifying the Corrective Nature of Post-publication Peer Review: Identifying Weaknesses, Use of Journal Clubs, and Rewarding Conscientious Behavior", a great paper that clearly says

Science is currently not a spontaneously self-corrective process because moral values will always fluctuate or because there will always be deficits in credibility, in part as a result of the wide social background or economic status of scientists around the world. Rather, the correction of science, and its literature, is a pro-active process that requires the involvement of conscientious individuals who would like to replicate studies and who intend to engage with each other to see such errors eliminated.

CC-BY-NC Science Surf 18.01.2020, access 18.10.2025 ☐