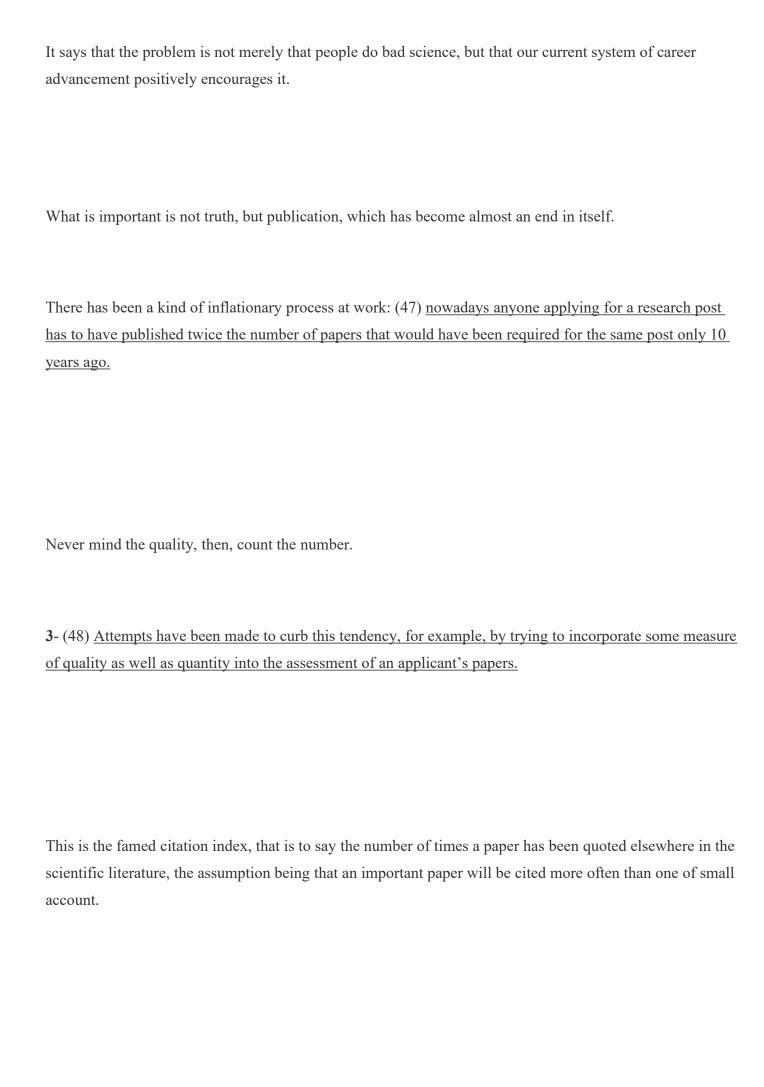
## 2019-1 Translation

1- It was only after I started to write a weekly column about the medical journals, and began to read scientific papers from beginning to end, that I realised just how bad much of the medical literature frequently was.
I came to recognise various signs of a bad paper: the kind of paper that purports to show that people who eat more than one kilo of broccoli a week were 1.17 times more likely than those who eat less to suffer late in life from pernicious anaemia.
(46) There is a great deal of this kind of nonsense in the medical journals which, when taken up by broadcasters and the lay press, generates both health scares and short-lived dietary enthusiasms.
2- Why is so much bad science published?
A recent paper, titled "The Natural Selection of Bad Science", published on the Royal Society's open science website, attempts to answer this intriguing and important question.



(49) This would be reasonable if it were not for the fact that scientists can easily arrange to cite themselves
in their future publications, or get associates to do so for them in return for similar favours.
4- Boiling down an individual's output to simple metrics, such as number of publications or journal impact
entails considerable savings in time, energy and ambiguity.
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Unfortunately, the long-term costs of using simple quantitative metrics to assess researcher merit are likely
to be quite great.
(50) If
(50) If we are serious about ensuring that our science is both meaningful and reproducible, we must ensure
that our institutions encourage that kind of science.