

Supplementary information table: Responses from authors and publishers of papers included in table 'Retracted references', part of *Nature* news story 'Exclusive: the papers that most heavily cite retracted studies' (<https://doi.org/10.1038/d41586-024-02719-5>; 2024).

DOI	Year	Publisher	Publication venue	Title	Retracted references	Responses from author and publisher
10.1590/s1516-14392012005000038	2012	FapUNIFESP (SciELO)	Materials Research	Application of ANFIS for analytical modeling of tensile strength of functionally graded steels	33 of 51 (65%)	Sole author Ali Nazari did not respond to <i>Nature's</i> request for comment. Publisher FapUNIFESP said it would investigate.
10.1109/icsss58085.2023.10407095	2023	Institute of Electrical and Electronics Engineers (IEEE)	2023 9th International Conference on Smart Structures and Systems (ICSSS)	A Survey of Advanced Learning Techniques Used for Initial Detection of vital Human organs Disorders through Iris	18 of 30 (60%)	Authors M. Sandhiya and A. S. Aneetha did not respond to <i>Nature's</i> request for comment. Publisher IEEE is investigating the study.
10.1016/j.heliyon.2024.e29176	2024	Elsevier	Heliyon	Unmasking the challenges in ideological and political education in China: A thematic review	46 of 77 (60%)	Sole author S. Ouyang did not respond to <i>Nature's</i> request for comment. Publisher Elsevier is investigating the study.
10.1016/j.mcm.2011.10.013	2012	Elsevier	Mathematical and Computer Modelling	Application of ANFIS for analytical modeling of JIC of functionally graded steels	25 of 53 (47%)	Corresponding author Ali Nazari did not respond to <i>Nature's</i> request for comment Publisher Elsevier is investigating the study.
10.1034/j.1399-6576.2001.045006659.x	2001	Wiley	Acta Anaesthesiologica Scandinavica	The influence of a dominating centre on a quantitative systematic review of granisetron for preventing postoperative nausea and vomiting	25 of 53 (47%)	Corresponding author Christian Apfel says this review was part of an early effort to flag work from the lab of Yoshitaka Fujii as anomalous. Fujii was later shown to be an academic fraudster, and his studies that this paper flags are now retracted.
10.1007/s12043-016-1271-1	2016	Springer Nature	Pramana	Analysis of tokamak plasma confinement modes using the fast Fourier transformation	15 of 33 (45%)	Corresponding author A. Salar Elahi did not respond to <i>Nature's</i> request for comment. Publisher Springer Nature says it is investigating.
10.1007/s11069-012-0413-0	2012	Springer Nature	Natural Hazards	How to manipulate interactive E-book on learning natural catastrophe—An example of structural mechanics using power machine	40 of 125 (32%)	Corresponding author Chen-Yuan Chen did not respond to <i>Nature's</i> request for comment. Publisher Springer Nature says it is investigating.

10.1109/tps.2012.2235186	2013	Institute of Electrical and Electronics Engineers (IEEE)	IEEE Transactions on Plasma Science	Magnetic-Based Measurements of Tokamak Plasma Equilibrium Parameters	18 of 57 (32%)	Corresponding author A. Salar Elahi did not respond to <i>Nature's</i> request for comment. Publisher Springer Nature says it is investigating.
10.1007/s11069-012-0318-y	2012	Springer Nature	Natural Hazards	Lego NXT information on test dimensionality using Kolb's innovative learning cycle	47 of 225 (21%)	Corresponding author Chen-Yuan Chen did not respond to <i>Nature's</i> request for comment. Publisher Springer Nature says it is investigating.
10.3233/kes-230106	2023	IOS Press	International Journal of Knowledge-based and Intelligent Engineering Systems	Grey relational analysis for online and offline blended teaching effectiveness evaluation of college English based on triangular fuzzy neutrosophic MADM	12 of 58 (21%)	Sole author Xueliang Wang did not respond to <i>Nature's</i> request for comment. Publisher SAGE (which acquired IOS Press) says it is investigating.

Method: *Nature* reporters analysed articles with more than 15 retracted, withdrawn or problematic references from the Feet of Clay Detector, and amended this dataset by only counting the retracted/withdrawn references. The articles with the highest proportion of retracted works in their reference lists were further hand-checked and figures altered where necessary, because detector data sources do not always give accurate counts.