

# PUBLICATIONS

Alexander Reutlinger

## Book

1. Reutlinger, A. (2013): *A Theory of Causation in the Biological and Social Sciences*, New York: Palgrave Macmillan.

## Edited Volumes

1. Reutlinger, A., and Saatsi, J. (2018): *Explanation Beyond Causation: Philosophical Perspectives on Non-Causal Explanations*, Oxford: Oxford University Press.
2. Reutlinger, A., and Unterhuber, M. (2014): *Ceteris Paribus Laws Revisited*, Special Issue of *Erkenntnis*, Volume 79, Issue 10.

## Research Articles in Journals

1. Reutlinger, A. (in progress): A paper on Otto Neurath's concept of utopia.
2. Reutlinger, A. (forthcoming): "Articulating Invariantism", *Episteme*.
3. Reutlinger, A. (2026): "Unreasonable Doubt. How Strategic Science Skeptics Exploit the Argument from Disagreement", *Philosophy of Science*, published online 2026: 1-47. DOI: 10.1017/psa.2026.10195
4. Reutlinger, A. (2024): "Objectivity as Independence", *Episteme* 21: 119-126, DOI: 10.1017/epi.2021.5. [published online in 2021; published in issue in 2024]
5. Reutlinger, A. (2022): "When Do Non-Epistemic Values Play an Epistemically Illegitimate Role in Science? How to Solve One Half of the New Demarcation Problem", *Studies in the History and Philosophy of Science* 92: 152-161.
6. Reutlinger, A., Colyvan, M., and Krzyżanowska, K. (2020): "The Prospects for a Monist Theory of Non-Causal Explanation in Science and Mathematics", *Erkenntnis*, DOI: <https://doi.org/10.1007/s10670-020-00273-w>. [A.R. is the first/lead author]
7. Reutlinger, A. (2020): "What is Epistemically Wrong With Research Affected by Sponsorship Bias? The Evidential Account", *European Journal for Philosophy of Science* 10: 1-26, 10.1007/s13194-020-00280-2.

8. Saatsi, J. and Reutlinger, A. (2018): “Taking Reductionism to the Limit. How to Rebut the Anti-Reductionist Argument from Infinite Limits”, *Philosophy of Science* 85: 455-482.
9. Reutlinger, A., Hangleiter, D., Hartmann, S. (2018): “Understanding (With) Toy Models”, *The British Journal for the Philosophy of Science* 69: 1069-1099. [A.R. is the first/lead author]
10. Thébault, K., Bradley, S., and Reutlinger, A. (2018): “Modeling Inequality”, *The British Journal for the Philosophy of Science* 69: 691–718.
11. Reutlinger, A. (2017): “Are Causal Facts Really Explanatorily Emergent? Ladyman and Ross on Higher-level Causal Facts and Renormalization Group Explanation“, *Synthese* 194: 2291-2305.
12. Reutlinger, A. (2017): “Do Renormalization Group Explanations Conform to the Commonality Strategy?”, *Journal for General Philosophy of Science* 48: 143-150.
13. Reutlinger, A. (2016): “Is There A Monist Theory of Causal and Non-Causal Explanations? The Counterfactual Theory of Scientific Explanation”, *Philosophy of Science* 83: 733-745.
14. Reutlinger, A. (2016): “Does the Counterfactual Theory of Explanation apply to Non-Causal Explanations in Metaphysics?”, *European Journal for Philosophy of Science* 7: 239–256.
15. Reutlinger, A., and Andersen, H. (2016): “Abstract versus Causal Explanations?”, *International Studies in the Philosophy of Science* 30.2: 129-146. [A.R. is the first/lead author]
16. Reutlinger, A. (2016): “Warum Atheisten den methodologischen Atheismus nicht brauchen”, *Zeitschrift für philosophische Forschung* 70: 550-561.
17. Reutlinger, A. (2014): “Why Is There Universal Macro-Behavior? Renormalization Group Explanation As Non-causal Explanation”, *Philosophy of Science* 81: 1157-1170.
18. Reutlinger, A. (2014): “Do Statistical Laws Solve the Problem of Provisos?”, *Erkenntnis* 79: 1759-1773.
19. Backmann, M. and Reutlinger, A. (2014): “Better Best Systems: Too Good To Be True”, *Dialectica* 68: 375-390. [fully co-authored]
20. Reutlinger, A. (2014): “Natural Law and Universality in the Philosophy of Biology”, *European Review* 22: 145-162.
21. Reutlinger, A. (2013): “Can Interventionists be Neo-Russellians? Interventionism, the Open Systems Argument and the Arrow of Entropy”, *International Studies in the Philosophy of Science* 27(3): 275-295.
22. Farr, M. and Reutlinger, A. (2013): “A Relic of a Bygone Age? Causation, Time Symmetry and the Directionality Argument”, *Erkenntnis* 78: 215-235. [fully co-authored]

23. Reutlinger, A. (2012): “Getting Rid of Interventions”, *Studies in the History and Philosophy of Science Part C* 43 (4): 787-795.
24. Reutlinger, A. (2012): “Is Non-Reductive Conceptual Analysis a Meta-Philosophical Problem for Theories of Causation?”, *Logique et Analyse* Vol. 54, No. 216: 517-536.
25. Reutlinger, A. (2011): “A Theory of Non-Universal Laws“, *International Studies in the Philosophy of Science* 25, 97-117.
26. Reutlinger, A. and Koch, H. (2008): “Methodological Individualism and the Epistemic Value of Social Macro-Explanations”, *Percipi* 2, S. 1-14. [fully co-authored]

### **Research Articles in Books and Proceedings**

1. Reutlinger, A. (in progress): „Zeit ist, was man an der Uhr abliest. Ein philosophischer Blick auf Gerhard Roths Essay über das Wiener Uhrenmuseum“.
2. Reutlinger, A. and Sandner, G. (2021): “Wissenschaftliche Expertise in der Demokratie. Zur Aktualität von Otto Neuraths politischer Wissenschaftsphilosophie”, G. Waldner (ed.), *Die Konturen der Welt. Geschichte und Gegenwart visueller Bildung nach Otto Neurath*, Vienna and Berlin: Mandelbaum Verlag, pp. 79-100.
3. Reutlinger, A. (2018): “Extending the Counterfactual Theory of Explanation. A Monist Account of Causal and Non-Causal Explanations”, A. Reutlinger and J. Saatsi (eds.), *Explanation Beyond Causation*, Oxford: Oxford University Press, pp. 74-95.
4. Reutlinger, A. (2013): “Ceteris Paribus Found? A Reply to Wang Wei”, F. Liu and J. van Benthem (eds.), *Logic Across the University*, New York and Berlin: Springer, pp. 88-91.
5. Hüttemann, A., and Reutlinger, A. (2013): “Against the Statistical Account of Special Science Laws”, In *EPSA11: Perspectives and Foundational Problems*, Vassilios Karakostas and Dennis Dieks (eds.), Dordrecht: Springer, 181-192.
6. Reutlinger, A. (2013): “Are the Generalizations of Biology Historical?”, In *Explanation in the Special Sciences. The Case of Biology and History*, *Synthese Library*, Andreas Hüttemann, Marie I. Kaiser, and Oliver Scholz (eds.), Dordrecht: Springer, 131-154. [contributed, refereed]
7. Reutlinger, A. (2012): “The Non-Universality of Special Science Laws – how Quasi-Newtonian Laws avoid Lange’s Dilemma”, *Proceeding of the GAP.7*, O. Petersen, D. Borchers, T. Spitzley & M. Stöckler (eds.), pp. 155-167. [contributed]
8. Reutlinger, A. (2011): “What’s Wrong with the Pragmatic-Ontic Account of Mechanistic Explanation?”, In *Explanation, Prediction, and*

- Confirmation*, D. Dieks et al. (eds.), Dordrecht: Springer, pp. 141-152. [invited, refereed]
9. Reutlinger, A. (2010): “Searle on Mental Causation. Biological Naturalism or something near enough”, In *John Searle. Thinking About the Real World*, D. Franken et al. (eds.), Frankfurt: Ontos, pp. 87-102, with B. Krickel. [contributed, refereed]
  10. Reutlinger, A. and Kirchhoff, D. (2006): “Vorarbeiten zu einer relationslogischen Rekonstruktion der marxschen Wertformanalyse”, In *Das Kapital neu lesen*, F. Wolf et al. (eds.), Münster, 200-227. [refereed, A.R. first author]

### Survey Articles

1. Reutlinger, A. (2020): “Strategischer Wissenschaftsskeptizismus”, M. Jungert et al. (ed.) *Wissenschaftsreflexion. Interdisziplinäre Perspektiven zwischen Philosophie und Praxis*, Paderborn: Mentis Verlag, 351-369.
2. Reutlinger, A. and Saatsi, J. (2018): “Entering a New Decade: Is There Explanation Beyond Causation?”, A. Reutlinger and J. Saatsi (eds.), *Explanation Beyond Causation*, Oxford: Oxford University Press: 1-11. [fully co-authored]
3. Reutlinger, A. (2017): “Explanation Beyond Causation? New Directions in the Philosophy of Scientific Explanation”, *Philosophy Compass* 12: e12395.
4. Reutlinger, A. (2017): “Kausalität”, In *Metzler Handbuch Metaphysik*, M. Schrenk (Hg.), Metzler Verlag, 306-311.
5. Reutlinger, A., Hüttemann, A., and Schurz, G. (2015): “Ceteris Paribus Laws”, *The Stanford Encyclopedia of Philosophy (Fall 2015 Edition)*, Edward N. Zalta (ed.).
6. Reutlinger, A. and Unterhuber, M. (2014): “Thinking about Non-Universal Laws” *Erkenntnis* 79: 1703-1713. [fully co-authored]
7. Reutlinger, A., Hüttemann, A., and Schurz, G. (2011): “Ceteris Paribus Laws”, *The Stanford Encyclopedia of Philosophy (Spring 2011 Edition)*, Edward N. Zalta (ed.).

### Book Reviews

1. Reutlinger, A. (2017): “Review of Marc Lange’s *Because Without Cause*”, *Notre Dame Philosophical Reviews*.
2. Reutlinger, A. and Hartmann, S. (2016): “Review of Margaret Morrison’s *Reconstructing Reality: Models, Mathematics and Simulations*”, *The British Journal for the Philosophy of Science*. [A.R. first author]
3. Reutlinger, A. (2015): “Metaphysics, Prescription, and Methodological Disagreement. A Comment on Mathias Frisch’s *Causal Reasoning in*

- Physics”, *Metascience* 24.3: 351-372. (Part of a book symposium on Frisch’s book *Causal Reasoning in Physics*.)
4. Reutlinger, A. (2013): “Review of John T. Roberts’s *The Law-Governed Universe*”, *Logical Analysis and History of Philosophy* 16: 390-394.
  5. Reutlinger, A. (2013): “Metaphysics as a Constraint on Science. Review of John Heil’s *The Universe As We Find It*” *Metascience* 22: 297-301.
  6. Reutlinger, A. (2012): “Lawful Patterns in an Orderless Universe. Review of Joe Rosen’s *Lawless Universe*”, *Metascience* 21: 653-656.
  7. Reutlinger, A. (2011): “Review of Marc Lange’s *Laws and Lawmakers*”, *Philosophical Quarterly* 61: 415-418.
  8. Reutlinger, A. (2009): “Markus Schrenk’s *The Metaphysics of Ceteris Paribus Laws*”, *The British Journal for the Philosophy of Science* 60: 229-233.
  9. Reutlinger, A. (2009): “Thomas Bartelborth ‘Erklären’”, *Kritikon* 2.

### **Conference Reports etc.**

1. Reutlinger, A. (2018): “Non-Causal Explanations. What’s Hot in Mathematical Philosophy?”, *The Reasoner*, Volume 12, Number 7 (July 2018), 58-59.
2. Reutlinger, A. (2016): “Just Playing? Toy Models in the Sciences”, *Jahresbericht der Münchner Universitätsgesellschaft*.
3. Reutlinger, A., and Unterhuber, M. (2012): “Semantics and Pragmatics of Ceteris Paribus Conditions”, *The Reasoner*, Volume 6, Number 11 (November 2012), 171-172.
4. Reutlinger, A. (2012): “Laws and Chances”, *The Reasoner*, Volume 6, Number 4 (April 2012), 64.
5. Reutlinger, A. (2012): “Dispositions, Causes, Modality”, *The Reasoner*, Volume 6, Number 4 (April 2012), 64-65.

### **Essays, Public Engagement, and Communicating Philosophy of Science**

1. Reutlinger, A. and Sandner, G. (forthcoming): „Isotype und Utopie. Wirklichkeitssinn und Möglichkeitssinn bei Otto Neurath“, *Wespennest. Zeitschrift für brauchbare Texte und Bilder*.
2. Reutlinger, A. and Sandner, G. (2022): “Warum demokratische Beteiligung mehr Wissenschaftskompetenz braucht”, *Aus Politik und Zeitgeschichte. Zeitschrift der Bundeszentrale für politische Bildung* 26-27 (issue on *Wissenschaft, Öffentlichkeit, Demokratie*): pp. 21-27.
3. Reutlinger, A. (2021): “Wir möchten philosophisch fundierte Wissenschaftskompetenz vermitteln”, an interview for *Wissenschaftskommunikation.de*, interviewer: Inga Dreyer, 20.12. 2021.

4. Reutlinger, A. (2021): “Wissenschaftsfreiheit? Nur dem Namen nach! Ein kritischer Kommentar zum ‚Netzwerk Wissenschaftsfreiheit‘”, *prae|faktisch – Ein Philosophieblog*, 9.3. 2021.
5. Reutlinger, A. (2021): “Falsche Freunde”, *Merkur. Deutsche Zeitschrift für europäisches Denken*, Merkur Blog, 25.02. 2021.
6. Kusch, M. and Reutlinger, A. (2021): “Criticising Science”, *Philosophy Now. A Magazine of Ideas* 142: 12-15.
7. Reutlinger, A. (2020): “Wissenschaftskommunikation in Krisenzeiten”, *AVISO. Magazin für Kunst und Wissenschaft in Bayern* 2/20: 16-17.
8. Reutlinger, A. (2020): “Expertenherrschaft oder Wissenschaftskommunikation? Wissenschaftliche Politikberatung in Zeiten der Corona-Krise”, *prae|faktisch – Ein Philosophieblog*, 10.5. 2020.
9. Reutlinger, A. (2020): “Otto Neurath. Über einen politisch engagierten Philosophen”, *Cogito* 13 („Moderne“).
10. Reutlinger, A. (2020): “Interview über Wissenschaftsskeptizismus und Werte in den Wissenschaften” (interview on science skepticism and values in science), *Die Funzel* 4: 39-41.
11. Reutlinger, A. (2019): “Die Wissenschaft als magische Glaskugel” (on the March For Science 2019), *Frankfurter Allgemeine Zeitung*, Online, 9.5. 2019.
12. Reutlinger, A. (2019): “Klimawandel? Welcher Klimawandel? Die Wissenschaft hat viele Feinde. Einige geben sich großzügig wie Freunde”, *Süddeutsche Zeitung*, No. 18, 22.1. 2019, p. 13.
13. Reutlinger, A. (2018): “Bedrohte akademische Freiheit. Der Fall Central European University”, *prae|faktisch – Ein Philosophieblog*, 18.7. 2018.
14. Kronfeldner, M. and Reutlinger, A. (2018): “Was sollen Philosoph/innen tun? Kommentar zur Podiumsdiskussion ‘Bedrohtes Denken’ (DGPhil Kongress 2017)”, *Zeitschrift für philosophische Forschung* 72.1: 114-118.
15. Reutlinger, A. (2018): “Evidenz trumpft! Eine Kritik am Begriff der alternativen Fakten”, *Cogito* 11: 21-22.
16. Reutlinger, A. (2016): “Zur Rebellion gegen die Intellektuellen”, *Neue Zürcher Zeitung*, 1.12. 2016, p. 14.