

6 Literatur

- (1999) 'Random Walk: The President comes to Town', *Engineering & Science* 4.
- Abbott, K.W., D.J. Sylvester & G.E. Marchant (2010) 'Transnational Regulation of Nanotechnology: Reality or Romanticism?', in G.A. Hodge, et al. (eds), *International Handbook on Regulating Nanotechnologies* (Cheltenham, UK: Edward Elgar): 525-44.
- Abels, G. & A. Bora (2004) *Demokratische Technikbewertung* (Bielefeld: Transcript Verlag).
- Aitken, R.J., et al. (2011) *Specific Advice on Exposure Assessment and Hazard/Risk Characterisation for Nanomaterials under REACH (RIP-oN 3) – Final Project Report* (Brussels: Safe Nano, Nanotechnology Industries Association (NIA), Cefic, Soluzioni Informatiche (SIN)).
- Aitken, R.J., K.S. Creely & C.L. Tran (2004) *Nanoparticles: An Occupational Hygiene Review* (London: Health and Safety Executive/ HSE).
- Aitken, R.J., et al. (2009) *DEFRA Report CB0409: EMERGNANO - A Review of Completed and Near Completed Environment, Health and Safety Research on Nanomaterials* (London: DEFRA).
- Alderson, N.E., R. Lutter & e. al. (2007) 'Nanotechnology: A Report of the U.S. Food and Drug Administration Nanotechnology Task Force', in (Washington: FDA).
- Åm, H. (2011) *Regulating the Unknown: Governing Nanotechnologies by a Logic of Pre-emption* (Dissertation at the University of Vienna).
- Arnall, A.H. (2003) *Future Technologies, Today's Choices - Nanotechnology, Artificial Intelligence and Robotics; A Technical, Political and Institutional Map of Emerging Technologies*. (London: Greenpeace Environmental Trust).
- Ashford, N., et al. (1998) *Wingspread Statement on the Precautionary Principle* (Wingspread, Wisconsin: Wingspread Conference).
- Barben, D., E. Fisher, C. Selin & D.H. Guston (2008) 'Anticipatory Governance of Nanotechnology: Foresight, Engagement, and Integration', in E.J. Hackett, et al. (eds), *The Handbook of Science and Technology Studies: Third Edition* (Cambridge: MIT Press): 979-1000.
- BASF (2006) *Verhaltenskodex Nanomaterialien*: <http://www.bASF.com/group/corporate/nanotechnology/de/microsites/nanotechnology/safety/code-of-conduct> (22.08.2013)).
- BAuA, BfR & UBA (2007) *Nanotechnologie: Gesundheits- und Umweltrisiken von Nanopartikeln – Forschungsstrategie* (Berlin: Bundesanstalt für Arbeitsschutz und Arbeitssicherheit (BAuA), Bundesinstitut für Risikobewertung (BfR), Umweltbundesamt (UBA)).

6 Literatur

- BAuA, BfR & UBA (2013) *Gemeinsame Position der deutschen Bundesbehörden BAuA, BfR und UBA: Nanomaterialien mit der REACH-Verordnung wirksam regeln* (Berlin: Bundesanstalt für Arbeitsschutz und Arbeitssicherheit (BAuA), Bundesinstitut für Risikobewertung (BfR), Umweltbundesamt (UBA)).
- BAuA & VCI (2007) *Leitfaden für Tätigkeiten mit Nanomaterialien am Arbeitsplatz* (Berlin: Bundesanstalt für Arbeitsschutz und Arbeitssicherheit (BAuA), Verband der Chemischen Industrie (VCI)).
- BAuA & VCI (2012) *Empfehlung für die Gefährdungsbeurteilung bei Tätigkeiten mit Nanomaterialien am Arbeitsplatz* (Frankfurt am Main: Bundesanstalt für Arbeitsschutz und Arbeitssicherheit (BAuA), Verband der Chemischen Industrie (VCI)).
- Bauer, M. & G. Gaskell (eds) (2002) *Biotechnology: The Making of a Global Controversy* (London: Science Museum).
- Baum, R. (2003) 'Nanotechnology. Drexler and Smalley Make the Case for and Against "Molecular Assemblers"', in, *Chemical and Engineering News*: 37-42.
- Bayer (2007) *Bayer Code of Good Practice zum Umgang bei Herstellung und On-Site-Gebrauch von Nanomaterialien* (Leverkusen: Bayer).
- Beck, U. (1986) *Risikogesellschaft. Auf dem Weg in eine andere Moderne* (Frankfurt am Main: Suhrkamp).
- Beck, U. (1993) *Die Erfindung des Politischen: Zu einer Theorie reflexiver Modernisierung* (Frankfurt am Main: Suhrkamp).
- Beck, U., A. Giddens & S. Lash (1996) *Reflexive Modernisierung. Eine Kontroverse* (Frankfurt am Main: Suhrkamp).
- Beck, U. & P. Wehling (2012) 'The politics of non-knowing: An emerging area of social and political conflict in reflexive modernity', in F.D. Rubio & P. Baert (eds), *The Politics of Knowledge* (New York: Routledge): 33-57.
- Bensaude-Vincent, B. (2004) 'Two Cultures of Nanotechnology?', *HYLE - International Journal for Philosophy of Chemistry* 10(2):65-82.
- Benz, A. (ed) (2004) *Governance – Regieren in komplexen Regelsystemen: Eine Einführung* (Wiesbaden: Verlag für Sozialwissenschaften).
- Benz, A., S. Lütz, U. Schimank & G. Simonis (eds) (2007) *Handbuch Governance: Theoretische Grundlagen und empirische Anwendungsfelder* (Wiesbaden: Verlag für Sozialwissenschaften).
- Berger, P.L. & T. Luckmann (1969) *Die gesellschaftliche Konstruktion der Wirklichkeit. Eine Theorie der Wissenssoziologie*. (Frankfurt am Main: Fischer).
- Bergeson, L. & J.E. Plamondon (2007) 'TSCA and Engineered Nanoscale Substances', *Nanotechnology Law & Business* March 2007:617-40.
- Bimber, B. (1996) *The Politics of Expertise in Congress: The Rise and Fall of the Office of Technology Assessment* (New York: State University of New York Press).
- BLL (2009) *Sachstands- und Positionspapier: Nanotechnologie im Lebensmittelbereich* (Berlin: Bund für Lebensmittelrecht und Lebensmittelkunde e.V. (BLL)).
- BMBF (2002) 'Nanotechnologie in Deutschland. Standortbestimmung', in (Berlin, Bonn: Bundesministerium für Bildung und Forschung (BMBF), Referat Öffentlichkeitsarbeit).

- BMBF (2004a) *Nanotechnologie erobert Märkte: Deutsche Zukunftsoffensive für Nanotechnologie – Perspektiven und Handlungsfelder für das nächste Jahrzehnt* (Berlin, Bonn: Bundesministerium für Bildung und Forschung (BMBF)).
- BMBF (2004b) 'Nanotechnologie in Deutschland – Strategische Neuausrichtung', in (Berlin, Bonn: Bundesministerium für Bildung und Forschung (BMBF), Referat Öffentlichkeitsarbeit).
- BMBF (2007a) *Dialog NanoCare: Verantwortlicher Umgang mit Nanomaterialien: Tagungsunterlagen – Abstracts und Statements* (Berlin, Bonn: Bundesministerium für Bildung und Forschung (BMBF)).
- BMBF (2007b) *Nano-Initiative - Aktionsplan 2010* (Berlin, Bonn: Bundesministerium für Bildung und Forschung (BMBF)).
- BMBF (2008) *Hightech-Strategie: Nanopartikel – kleine Dinge, große Wirkung: Chancen und Risiken* (Berlin, Bonn: Bundesministerium für Bildung und Forschung (BMBF)).
- BMBF (2009) *Hightech-Strategie: Nano.DE-Report 2009: Status Quo der Nanotechnologie in Deutschland* (Berlin, Bonn: Bundesministerium für Bildung und Forschung (BMBF)).
- BMBF (2011a) *Aktionsplan Nanotechnologie 2015* (Berlin, Bonn: Bundesministerium für Bildung und Forschung).
- BMBF (2011b) *Hightech-Strategie: Nano.DE-Report 2001: Status Quo der Nanotechnologie in Deutschland* (Bonn, Berlin: Bundesministerium für Bildung und Forschung (BMBF)).
- BMU (2008) *Verantwortlicher Umgang mit Nanotechnologien: Bericht und Empfehlungen der Nano Kommission der deutschen Bundesregierung* (Bonn: Bundesministerium für Umwelt, Naturschutz und Reaktorsicherheit (BMU)).
- BMU (2011) *Verantwortlicher Umgang mit Nanotechnologien: Bericht und Empfehlungen der NanoKommission 2011* (Bonn: Bundesministerium für Umwelt, Naturschutz und Reaktorsicherheit (BMU)).
- Bodmer, W.S. & e. al. (1985) *The Public Understanding of Science* (London: The Royal Society).
- Boeing, N. (2004) *Nano ?! Die Technik des 21. Jahrhunderts* (Berlin: Rohwolt).
- Boekaerts, M. (2005) *Handbook of Self-Regulation* (Burlington: Academic Press).
- Bogner, A. (2007) 'Was heißt "Politisierung von Expertise"?", *Österreichische Zeitschrift für Politikwissenschaft* 36(3):319-35.
- Bogner, A. (2010) 'Partizipation als Laborexperiment – Paradoxien der Laiendeliberation in Technikfragen', *Zeitschrift für Soziologie* 39(2):87-105.
- Bogner, A. (2011) *Die Ethisierung von Technikkonflikten: Studien zum Geltungswandel des Dissenses* (Weilerwist: Velbrück Wissenschaft).
- Bogner, A. (2012) 'Wissenschaft und Öffentlichkeit: Von Information zu Partizipation', in S. Maasen, et al. (eds), *Handbuch Wissenschaftssoziologie* (Wiesbaden: Springer VS): 379-92.
- Bogner, A. (2013) *Ethisierung der Technik – Technisierung der Ethik* (Baden-Baden: Nomos).

6 Literatur

- Bogner, A. & W. Menz (2009) *Experteninterviews: Theorien, Methoden, Anwendungsfelder* (Wiesbaden: Verlag für Sozialwissenschaften).
- Bonss, W. (1995) *Vom Risiko: Unsicherheit und Ungewissheit in der Moderne* (Hamburg: Hamburger Edition).
- Bora, A. (2012) 'Wissenschaft und Politik: Von Steuerung über Governance zu Regulierung', in S. Maasen, et al. (eds), *Handbuch Wissenschaftssoziologie* (Wiesbaden: Springer VS): 341-54.
- Borràs, S. (2008) 'Policy Innovation in Innovation Policy: Policy System and Meta-Policy System Changes in Europe', *University of Tokyo Journal of Law and Politics* 5:103-19.
- Borràs, S. & H.K. Jacobson (2004) 'The Open Method of Coordination and the New Governance Patterns in the EU', *Journal of European Public Policy* 11(2):185-208.
- Böschen, S. & P. Wehling (2004) *Wissenschaft zwischen Folgenverantwortung und Nichtwissen: Aktuelle Perspektiven der Wissenschaftsforschung* (Wiesbaden: VS Verlag für Sozialwissenschaften).
- Böschen, S. & P. Wehling (2012) 'Neue Wissensarten: Risiko und Nichtwissen', in S. Maasen, et al. (eds), *Handbuch Wissenschaftssoziologie* (Wiesbaden: Springer VS): 317-28.
- Bowman, D.M. & G.A. Hodge (2009) 'Counting on Codes: An Examination of Transnational Codes as a Regulatory Governance Mechanism for Nanotechnologies', *Regulation and Governance* 3:145-64.
- Breggin, L.K., et al. (2009) *Securing the Promise of Nanotechnologies: Towards Transatlantic Regulatory Cooperation* (London and Washington: Chatham House, London Schools of Economics, The Project on Emerging Nanotechnologies, Environmental Law Institute).
- Brickman, R., S. Jasanoff & T. Ilgen (1985) *Controlling Chemicals: The Politics of Regulation in Europe and the United States* (New York: Cornell Univ. Press).
- BRTF (2003) *Scientific Research: Innovation with Controls* (London: Better Regulation Task Force/ BRTF).
- BSI (2007a) *Guidance on the Labeling of Manufactured Nanoparticles and Products Containing Manufactured Nanoparticles* (London: British Standards Institution).
- BSI (2007b) *Nanotechnologies – Good Practice Guide for Specifying Manufactured Nanomaterials* (London: British Standards Institution).
- BSI (2007c) *Nanotechnologies Part 2: Guide to Safe Handling and Disposal of Manufactured Nanomaterials* (London: British Standards Institution).
- Bueno, O. (2004) 'The Drexler-Smalley Debate on Nanotechnology: Incommensurability at Work?', *HYLE (International Journal for Philosophy of Chemistry)* 10(2): 83-98.
- Bullis, K. (2008) 'EPA's Lousy New Nanotech Program', *MIT Technology Review* (January 28, 2008).
- Burgess, M.M. (2014) 'From 'Trust Us' to Participatory Governance: Deliberative Publics and Science Policy', *Public Understanding of Science* 23(1):48-52.

- Bush, V. (1945) 'Science, The Endless Frontier – A Report to the President by Vannevar Bush, Director of the Office of Scientific Research and Development, July 1945', in (Washington: United States Government Printing Office).
- Callon, M., P. Lascoumes & Y. Barthe (2001) *Acting in an Uncertain World: An Essay on Technical Democracy* (Cambridge MA: MIT Press).
- Carson, R. (1962) *The Silent Spring* (Boston: Houghton Mifflin).
- Chaudhry, Q., et al. (2005a) *DEFRA Report CB01075: Review of Gaps in Environmental Regulation for the Products and Applications of Nanotechnologies* (London: DEFRA).
- Chaudhry, Q., H. Boumeester & R.F. Hertel (2010) 'The Current Risk Assessment Paradigm in Relation to the Regulation of Nanotechnologies', in G.A. Hodge, et al. (eds), *International Handbook on Regulating Nanotechnologies* (Cheltenham: Edward Elgar): 124-43.
- Chaudhry, Q., et al. (2005b) *DEFRA Report CB01070: The Manufacture and Use of Nanomaterials in the UK* (London: DEFRA).
- Chilvers, J. & M. Kearnes (2016) 'Science, Democracy and Emergent Publics', in J. Chilvers & M. Kearnes (eds), *Remaking Participation: Science, Environment and Emergent Publics* (London and New York: Earthscan-Routledge): 1-28.
- Christoforou, T. (2004) 'The Precautionary Principle, Risk Assessment, and the Comparative Role of Science in the European Community and the US Legal Systems', in N.J. Vig & M.G. Faure (eds), *Green Giants? Environmental Policies of the United States and the European Union* (Cambridge Massachusetts: MIT Press): 17-52.
- Cobb, M.D. & J. Macoubrie (2004) 'Public Perceptions About Nanotechnology: Risks, Benefits and Trusts', *Journal of Nanoparticle Research* 6(4):395-405.
- Coenen, C. (2004) 'Nanofuturismus: Anmerkungen zu seiner Relevanz, Analyse und Bewertung', *Technikfolgenabschätzung - Theorie und Praxis* 2 (Juni):78-85.
- Collingridge, D. (1980) *The Social Control of Technology* (New York: St. Martin's Press).
- Collins, H.M. (1987) 'Certainty and the Public Understanding of Science: Science on Television', *Social Studies of Science* 17(4):689-713.
- COM (2000) *Communication from the Commission on the Precautionary Principle* (Brussels: Commission of the European Communities (COM)).
- COM (2004a) *Communication from the Commission: Towards a European Strategy for Nanotechnology* (Brussels: Commission of the European Communities (COM)).
- COM (2004b) *Mitteilung der Kommission: Auf dem Weg zu einer europäischen Strategie für Nanotechnologie* (Brüssel: Kommission der Europäischen Gemeinschaften (COM)).
- COM (2005a) *Communication from the Commission to the Council, the European Parliament and the Economic and Social Committee: Nanosciences and Nanotechnologies: An Action Plan for Europe 2005-2009* (Brussels: Commission of the European Communities (COM)).

6 Literatur

- COM (2005b) *Mitteilung der Kommission an den Rat, das europäische Parlament und den Wirtschafts- und Sozialausschuss: Nanowissenschaften und Nanotechnologien: Ein Aktionsplan für Europa 2005-2009* (Brüssel: Kommission der Europäischen Gemeinschaften (COM)).
- COM (2007a) *Communication from the Commission to the Council, the European Parliament and the European Economic and Social Committee: Nanosciences and Nanotechnologies: An Action Plan for Europe 2005-2009. First Implementation Report 2005-2007* (Brussels: Commission of the European Communities (COM)).
- COM (2007b) *Mitteilung der Kommission an den Rat, das Europäische Parlament und den europäischen Wirtschafts- und Sozialausschuss: Nanowissenschaften und Nanotechnologien: Aktionsplan für Europa 2005-2009. Erster Durchführungsbericht 2005-2007* (Brüssel: Kommission der europäischen Gemeinschaften (COM)).
- COM (2008a) *Commission Recommendation on a Code of Conduct for Responsible Nanosciences and Nanotechnologies Research* (Brussels: Commission of the European Communities (COM)).
- COM (2008b) *Communication from the Commission to the European Parliament, the Council and the European Economic and Social Committee: Regulatory Aspects of Nanomaterials* (Brussels: Commission of the European Communities (COM)).
- COM (2009) *Communication from the Commission to the Council, the European Parliament and the European Economic and Social Committee: Nanosciences and Nanotechnologies: An Action Plan for Europe 2005-2009. Second Implementation Report 2007-2009* (Brussels: Commission of the European Communities (COM)).
- COM (2011) 'Commission Recommendation on the Definition of Nanomaterial', *Official Journal of the European Union L(275 (2011/696/EU))*:38-40.
- COM (2012a) *Commission Staff Working Paper: Types and Uses of Nanomaterials, Including Safety Aspects Accompanying the Communication from the Commission to the European Parliament, the Council and the European Economic and Social Committee on the Second Regulatory Review on Nanomaterials* (Brussels: Commission of the European Communities (COM)).
- COM (2012b) *Communication from the Commission to the European Parliament, the Council and the European Economic and Social Committee: Second Regulatory Review on Nanomaterials* (Brussels: Commission of the European Communities (COM)).
- COM-JRC (2012) *Scientific Technical Support on Assessment of Nanomaterials in REACH Registration Dossiers and Adequacy of Available Information* (Brussels: Commission of the European Communities, Joint Research Centre, Institute for Health and Consumer Protection).
- Crichton, M. (2002) *Prey* (New York: Harper Collins).
- Cronon, W. (1991) *Nature's Metropolis: Chicago and the Great West* (New York: Norton).
- CST (2007) *Nanosciences and Nanotechnologies: A Review of Government's Progress on its Policy Commitments* (London: Council for Science and Technology (UK)).
- Curran, G. & e. al. (2006) 'Innovative Regulatory Approaches', in (Chicago: American Bar Association Section of Environment, Energy, and Resources).

- Davies, C., M. Wetherall & E. Barnett (2006) *Citizens at the Centre: Deliberative Participation in Healthcare Decisions*. (London: Policy Press).
- Davies, C.J. (2006) *Managing the Effects of Nanotechnology* (Washington: The Woodrow Wilson International Center for Scholars).
- Davies, S.R., C. Selin, G. Gano & Â.G. Pereira (2012) 'Citizen Engagement and Urban Change: Three Case Studies of Material Deliberation', *Cities* 29:351–57.
- de Búrca, G. & J. Scott (2006) 'Introduction: New Governance, Law and Constitutionalism', in G. de Burca & J. Scott (eds), *Law and New Governance in the EU and the US* (Oxford: Hart Publishing): 1-12.
- de Solla Price, D.J. (1967) *Little Science, Big Science* (New York: Columbia University Press).
- Decker, M. (2006) 'Eine Definition der Nanotechnologie: Erster Schritt für ein interdisziplinäres "nanotechnology assessment"', in A. Nordmann, et al. (eds), *Nanotechnologien im Kontext* (Berlin: Akademische Verlagsgesellschaft).
- DEFRA (2006) *Characterising the Potential Risks Posed by Engineered Nanoparticles: UK Government Research – a Progress Report* (London: HM Government, Department for Environment, Food and Rural Affairs (DEFRA)).
- DEFRA (2011) *Characterising the Potential Risks posed by Engineered Nanoparticles* (London: Department for Environment, Food & Rural Affairs (DEFRA)).
- Denison, R.A. (2007) *Not That Innocent: A Comparative Analysis of Canadian, European Union and United States Policies on Industrial Chemicals* (Washington: Environmental Defense Fund).
- Department of Health (2010) *Government Response to the Lords Science and Technology Select Committee Report into Nanotechnologies and Food* (London: Department of Health).
- DGUV (2010) *Verantwortungsvoller Umgang mit Nanomaterialien — Position der gesetzlichen Unfallversicherung* (Aachen: Deutsche Gesetzliche Unfallversicherung Spitzenverband (DGUV)).
- DGUV (2012) *Nanomaterialien im Labor: Hilfestellungen für den Umgang* (Frankfurt am Main: Deutsche Gesetzliche Unfallversicherung (DGUV)).
- Donaldson, K., et al. (2004) 'Nanotoxicology', *Occupational and Environmental Medicine* 61(9):727-28.
- Doubtedly, R. & M. Welland (2005) *NanoJury UK: Reflections from the Perspective of the IRC in Nanotechnology and Frontiers* (Cambridge: IRC in Nanotechnology, University of Cambridge and FRONTIERS Network of Excellence in Nanotechnology).
- Douglas, M. & A. Wildavsky (1982) *Risk and Culture: an Essay on the Selection of Technological and Environmental Dangers* (Berkeley and Los Angeles: University of California Press).
- Drexler, E.K. (1986) *Engines of Creation: The Coming Era of Nanotechnology* (New York: Anchor Books).
- Drucksache 14/5443 (2001) *Antwort der Bundesregierung auf die Kleine Anfrage der Abgeordneten Ulrike Flach et al. und der Fraktion der F.D.P.* (Berlin: Deutscher Bundestag, 14. Wahlperiode, 2001).

6 Literatur

- Drucksache 16/2150 (2006) *Kleine Anfrage der Abgeordneten Hans-Josef Fell et al. und der Fraktion BÜNDNIS 90/DIE GRÜNEN: Potenziale und Risiken der Nanotechnologie* (Berlin: Deutscher Bundestag, 16. Wahlperiode, 2006).
- Drucksache 16/2322 (2006) *Antwort der Bundesregierung auf die Kleine Anfrage der Abgeordneten Hans-Josef Fell et al. und der Fraktion BÜNDNIS 90/DIE GRÜNEN: Potenziale und Risiken der Nanotechnologie* (Berlin: Deutscher Bundestag, 16. Wahlperiode, 2006).
- Drucksache 16/3867 (2006) *Kleine Anfrage der Abgeordneten Dr. Kirsten Tackmann, et al. und der Fraktion DIE LINKE* (Berlin: Deutscher Bundestag 16. Wahlperiode, 30.11.2006).
- Drucksache 16/3981 (2006) *Antwort der Bundesregierung auf die kleine Anfrage der Abgeordneten Dr. Kirsten Tackmann, et al. und der Fraktion DIE LINKE* (Berlin: Deutscher Bundestag 16. Wahlperiode, 30.11.2006).
- Drucksache 16/9163 (2008) *Unterrichtung durch die Bundesregierung: Verbraucherpolitischer Bericht 2008* (Berlin: Deutscher Bundestag 16. Wahlperiode, 24.04.2008).
- Durant, J., M. Bauer & G. Gaskell (eds) (1998) *Biotechnology in the Public Sphere: An European Source Book* (London: Science Museum).
- Eberlein, B. & D. Kerwer (2004) 'New Governance in the European Union: A Theoretical Perspective', *Journal of Common Market Studies* 42(1):121-42.
- EC 726 (2004) *Community Procedures for the Authorisation and Supervision of Medicinal Products for Human and Veterinary Use and Establishing a European Medicines Agency* (Brussels: European Parliament and Council of the European Union (EC)).
- EC 1907/2006 (2007) *Regulation Concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) 1907/2006* (Brussels: European Parliament and Council of the European Union (EC)).
- ECHA (2012) *Guidance for Identification and Naming of Substances under REACH and CLP* (Helsinki: European Chemicals Agency (ECHA)).
- EEA (2002) *Late Lessons from Early Warnings: The Precautionary Principle 1896-2000*: European Environment Agency (EEA)).
- EEA (2013) *Late Lessons from Early Warnings: Science, Precaution, Innovation*: European Environment Agency (EEA)).
- EGE (2007) *Opinion on the Ethical Aspects of Nanomedicine* (Brussels: The European Group on Ethics in Science and New Technologies to the European Commission (EGE)).
- Einsiedel, E.F. & L. Goldenberg (2004) 'Dwarfing the Social? Nanotechnology Lessons from the Biotechnology Front', *Bulletin of Science Technology Society* 24(1): 28-33.
- Einsiedel, E.F., E. Jelsoe & T. Breck (2001) 'Publics at the Technology Table: The Consensus Conference in Denmark, Canada, and Australia', *Public Understanding of Science* 10:83-98.
- Eisenberger, I., et al. (2010) 'Nano Regulation in the European Union', in ITA (ed), *NanoTrust-Dossiers* (Wien: Institut für Technikfolgen-Abschätzung (ITA)).

- Emerson, R.M., R.I. Fretz & L.L. Shaw (2001) 'Participant Observation and Fieldnotes', in P. Atkinson, et al. (eds), *Handbook of Ethnography* (Thousand Oaks: Sage).
- Emerson, R.M., R.I. Fretz & L.L. Shaw (2011) *Writing Ethnographic Fieldnotes* (Chicago: University of Chicago Press, second edition).
- EPA (2005) *Preliminary Risk Assessment of the Developmental Toxicity Associated with Exposure to Perfluorooctanoic Acid and its Salts* (Washington: Environmental Protection Agency (EPA)).
- EPA (2007) *Environmental Protection Agency Nanotechnology White Paper* (Washington: Prepared for the U.S. Environmental Protection Agency by members of the Nanotechnology Workgroup, a group of EPA's Science Policy Council).
- EPA (2008) *Environmental Protection Agency Nanoscale Materials Stewardship Program under TSCA* (Washington: Environmental Protection Agency (EPA)).
- EPA (2009) *Nanoscale Materials Stewardship Program: Interim Report* (Washington DC: Environmental Protection Agency (EPA): Office of Pollution, Prevention and Toxics).
- EPA (2012a) *Nanomaterial Case Study: A Comparison of Multiwalled Carbon Nanotube and Decabromodiphenyl Ether Flame-Retardant Coatings Applied to Upholstery Textiles* (Washington D.C.: Environmental Protection Agency (EPA)).
- EPA (2012b) *Nanomaterial Case Study: Nanoscale Silver in Disinfectant Spray* (Washington D.C.: Environmental Protection Agency (EPA)).
- EPSRC (2004) *EPSRC and Nanotechnology* (Swindon: Engineering and Physical Sciences Research Council (EPSRC)).
- ETC (2003a) *The Big Down: Atomtech - Technologies Converging at the Nano-scale* (Ottawa: Action Group on Erosion, Technology and Concentration (ETC)).
- ETC (2003b) *Green Goo: Nanotechnology Comes Alive!* (Ottawa: Action Group on Erosion, Technology and Concentration (ETC)).
- Evers, A. & H. Nowotny (1987) *Über den Umgang mit Unsicherheit: Die Entdeckung der Gestaltbarkeit von Gesellschaft* (Frankfurt am Main: Suhrkamp).
- Falkner, R. (ed) (2007) *The International Politics of Genetically Modified Food: Diplomacy, Trade and Law* (Basingstoke: Palgrave Macmillan).
- Falkner, R., et al. (2010) 'International Coordination and cooperation: The Next Agenda in nanomaterials Regulation', in G.A. Hodge, et al. (eds), *International Handbook on Regulating Nanotechnologies* (Cheltenham, UK: Edward Elgar): 508-24.
- Felt, U. (ed) (2003) *Optimising Public Understanding of Science and Technology in Europe* (Vienna: Final Report to the European Commission).
- Felt, U. (2010) 'Leben in Nanowelten: Zur Ko-Produktion von Nano & Gesellschaft', in P. Lucht, et al. (eds), *Technologisierung gesellschaftlicher Zukünfte. Nanotechnologien in wissenschaftlicher, politischer und öffentlicher Praxis* (Freiburg: Centaurus).
- Felt, U. (2015a) 'Keeping Technologies Out: Sociotechnical Imaginaries and the Formation of Austria's Technopolitical Identity ', in S. Jasanoff & S.-H. Kim (eds), *Dreamscapes of Modernity: Sociotechnical Imaginaries and the Fabrication of Power* (Chicago: Chicago University Press).

6 Literatur

- Felt, U. (2015b) 'The Temporal Choreographies of Participation. Thinking Innovation and Society from a Time-Sensitive Perspective', in J. Chilvers & M. Kearnes (eds), *Remaking Participation: Science, Environment and Emergent Publics* (London/New York: Routledge).
- Felt, U. (2016) 'The Temporal Choreographies of Participation: Thinking Innovation and Society from a Time-Sensitive Perspective', in J. Chilvers & M. Kearnes (eds), *Remaking Participation: Science, Environment and Emergent Publics* (London and New York: Earthscan-Routledge): 178-98.
- Felt, U. & M. Fochler (2008) 'The Bottom-Up Meanings of the Concept of Public Participation in Science and Technology', *Science and Public Policy* 35(7):489-99.
- Felt, U. & M. Fochler (2010a) 'Machineries for Making Publics: Inscribing and Describing Publics in Public Engagement', *Minerva* 48:219-38.
- Felt, U. & M. Fochler (2010b) 'Risikante Verwicklungen des Epistemischen, Strukturellen und Biographischen: Governance-Strukturen und deren mikropolitische Implikationen für das akademische Leben.', in P. Biegelbauer (ed), *Steuerung von Wissenschaft? Die Governance des österreichischen Innovationssystems. Innovationsmuster in der österreichischen Wirtschaftsgeschichte* (Innsbruck: Studienverlag): 297-327.
- Felt, U., J. Igelsböck, A. Schikowitz & T. Völker (2012) 'Challenging Participation in Sustainability Research', *International Journal of Deliberative Mechanisms in Science* 1(1):4-34.
- Felt, U., S. Schumann, C. Schwarz & M. Strassnig (2014) 'Technology of Imagination. A Card-based Public Engagement Method for Debating Emerging Technologies', *Qualitative Research* 14(2):233-51.
- Felt, U., et al. (2007) *Taking European Knowledge Society Seriously* (Luxembourg: European Commission).
- Fleck, L. (1935) *Entstehung und Entwicklung einer wissenschaftlichen Tatsache. Einführung in die Lehre vom Denkstil und Denkkollektiv* (Frankfurt am Main: Suhrkamp).
- Fleischer, T. (2011) *Tabelle empirischer Daten zu Deutschland. Entstanden im Rahmen des Projektes Nanopol: Vergleich der Nanotechnologiepolitiken der drei deutschsprachigen europäischen Länder Deutschland, Österreich und der Schweiz* ((unveröffentlicht) Karsruhe: Institut für Technikfolgenabschätzung und Systemanalyse ITAS).
- Fleischer, T., J. Jahnel & S.B. Seitz (2012) *NanoSafety - Risk Governance of Manufactured Nanoparticles (Study and Options Brief)* (Brussels: European Parliament: Science and Technology Options Assessment (STOA)).
- Florini, K., S. Walsh, J.M. Balbus & R. Denison (2006) 'Nanotechnology: Getting it Right the First Time', *Sustainable Development Law & Policy* 6(3):46-53.
- Fogelberg, H. & H. Glimell (2003) *Bringing Visibility to the Invisible: Towards a Societal Understanding of Nanotechnology* (Goteborg: Section for Science and Technology Studies).
- Foss Hansen, S. (2013) 'The European Union's Chemical Legislation Needs Revision', *Nature Nanotechnology* 8(7. Mai 2013):305-06.

- Foucault, M. (1972) *L'ordre du discours: Leçon inaugurale au Collège de France prononcée le 2 décembre 1970* (Paris: Gallimard).
- Foucault, M. (1978) *Dispositive der Macht: über Sexualität, Wissen und Wahrheit* (Berlin: Merve).
- FSA (2008) *Report of FSA Regulatory Review* (London: Food Standards Agency (FSA)).
- Führ, M., et al. (2006) *Rechtsgutachten Nano-Technologie — ReNaTe: Bestehender Rechtsrahmen, Regulierungsbedarf sowie Regulierungsmöglichkeiten auf europäischer und nationaler Ebene* (Darmstadt: Öko- Institut e.V. & Sonderforschungsgruppe Institutionenanalyse (sofia)).
- Gammel, S., A. Lösch & A. Nordmann (eds) (2009) *Jenseits von Regulierung: Zum politischen Umgang mit der Nanotechnologie* (Heidelberg: AKA).
- GAO (2008a) *Accuracy of Data on Federally Funded Environmental, Health, and Safety Research Could Be Improved* (Washington DC: United States Government Accountability Office (GAO)).
- GAO (2008b) *Nanotechnology: Better Guidance Is Needed to Ensure Accurate Reporting of Federal Research Focused on Environmental, Health, and Safety Risks* (Washington DC: United States Government Accountability Office (GAO)).
- GAO (2010) *Nanotechnology: Nanomaterials are Widely Used in Commerce, but EPA Faces Challenges in Regulating Risk* (Washington DC: United States Government Accountability Office (GAO)).
- GAO (2014) *Emergence and Implications for U.S. Competitiveness, The Environment, and Human Health* (Washington DC: United States Government Accountability Office (GAO)).
- Gaskell, G. & M. Bauer (eds) (2001) *Biotechnology 1996-2000: The Years of Controversy* (London: Science Museum).
- Gaskell, G., T. Ten Eyck, J. Jackson & G. Veltri (2004) 'Public Attitudes to Nanotechnology in Europe and the United States', *Nature materials* 3(August 2004):496.
- Gaskell, G., T. Ten Eyck, J. Jackson & G. Veltri (2005) 'Imagining Nanotechnology: Cultural Support for Technological Innovation in Europe and the United States', *Public Understanding of Science* 14(1):81-90.
- Gavelin, K., R. Wilson & R. Doubleday (2007) *Democratic Technologies? The Final Report of the Nanotechnology Engagement Group (NEG)* (London: Involve).
- Gibbons, M., et al. (1994) *The New Production of Knowledge: The Dynamics of Science and Research in Contemporary Societies* (London: Sage).
- Giddens, A. (1992) *The Transformation of Intimacy* (Cambridge Polity Press).
- Glimell, H. (2004) 'Grand Visions and Lilliput Politics: Staging the Exploration of the "Endless Frontier", in D. Baird, Schummer, J., & Nordmann, A. (ed), *Discovering the Nanoscale* (Amsterdam: IOS Press).
- Gottweis, H. (1998) *Governing Molecules: The Discursive Politics of Genetic Engineering in Europe and the United States* (Cambridge: The MIT Press).
- Gottweis, H. & A. Petersen (eds) (2008) *Biobanks: Governance in Comparative Perspective* (London: Routledge).

6 Literatur

- Gregory, J. & S. Miller (1998) *Science in Public: Communication, Culture, and Credibility* (New York, London: Plenum Trade).
- Grin, J., H. van de Graaf & R. Hoppe (eds) (1997) *Technology Assessment through Interaction: A Guide* (Den Haag: Rathenau Institute).
- Große, A., O. Renn & A. Jäger (2008) 'Risk Governance of Nanotechnology Applications in Food and Cosmetics', in (Geneva: International Risk Governance Council (IRGC)).
- Gross, M. & L. McGaughy (eds) (2015) *Routledge International Handbook of Ignorance Studies* (London: Routledge).
- Grove-White, R., et al. (2004) *Bio-to-Nano? Learning the Lessons, Interrogating the Comparison* (Lancaster: Demos/Lancaster University).
- Grunwald, A. (2006) 'Nanotechnologie als Chiffre der Zukunft', in A. Nordmann, et al. (eds), *Nanotechnologien im Kontext: Philosophische, gesellschaftliche und ethische Perspektiven* (Berlin: AKA): 49-80.
- Guston, D.H. (1992) 'The Demise of the Social Contract for Science: Misconduct in Science and the Nonmodern World', *Working Paper Number 19, Program in Science, Technology, and Society, Massachusetts Institute of Technology (MIT)*.
- Guston, D.H. (1999) 'Evaluating the First US Consensus Conference: The Impact of the Citizens' Panel on Telecommunications and the Future of Democracy', *Science, Technology, & Human Values* 24(4):451-82.
- Guston, D.H. (2014) 'Building the Capacity for Public Engagement with Science in the United States', *Public Understanding of Science* 23(1):53-59.
- Guston, D.H. & D. Sarewitz (2002) 'Real-time Technology Assessment', *Technology in Society* 24:93-109.
- Hagendijk, R. & A. Irwin (2006) 'Public Deliberation and Governance: Engaging with Science and Technology in Contemporary Europe', *Minerva* 44:167-84.
- Hagendijk, R.P. (2004) 'The Public Understanding of Science and Public Participation in Regulated Worlds', *Minerva* 42:41-59.
- Hagendijk, R.P. & E. Kallerud (2003) *Changing Conceptions and Practices of Governance in Science and Technology in Europe: A Framework for Analysis* (Amsterdam: Amsterdam University).
- Hamburg, M.A. (2012) 'FDA's Approach to Regulation of Products of Nanotechnology', *Science* 336(6079):299-300.
- Hankin, S.M., et al. (2011) *Specific Advice on Fulfilling Information Requirements for Nanomaterials under REACH (RIP-on 2) – Final Project Report* (Brussels: Nanotechnology Industries Association, Safe Nano, Cefic).
- Hanson, D. (2008) 'Regulation: Nanotech Stewardship: Voluntary EPA Program Criticized for not Giving Agency the Data it Needs to Regulate Nanoscale Materials', *Chemical & Engineering News* (January 28, 2008).
- Haraway, D. (1991) *Simians, Cyborgs and Nature* (London: Free Association Books).
- Hellmann-Große, A. (2000) *Dialogprozesse, Gestaltungsansätze für Dialoge im globalisierten Umfeld* (Bamberg: Dissertation an der Universität St.Gallen).

- HM Government (2005a) *The Goverment's Outline Programme for Public Engagement on Nanotechnologies* (London: UK Department of Trade and Industry (DTI)).
- HM Government (2005b) *Response to the Royal Society and Royal Society of Engineering report: Nanoscience and Nanotechnologies: Opportunities and Uncertainties* (London: Her Majesty's Stationery Office (HMSO)).
- HM Government (2006) *A Scoping Study to Identify Gaps in Environmental Regulation for the Products and Applications of Nanotechnologies* (London: Defra).
- HM Government (2007a) *Characterising the Potential Risks Posed by Engineered Nanoparticles: A Second UK Government Research Report* (London: Defra).
- HM Government (2007b) *UK Voluntary Reporting Scheme for Engineered Nanoscale Materials* (London: Defra).
- HM Government (2009) *UK Government Response to The Royal Commission on Environmental Pollution (RCEP) Report "Novel Materials in the Environment: The Case Of Nanotechnology"* (London: Presented to Parliament by Command of Her Majesty).
- HM Government (2010) *UK Nanotechnologies Strategy: Small Technologies, Great Opportunities* (London: HM Government).
- Horst, M. (2014) 'On the Weakness of Strong Ties', *Public Understanding of Science* 23(1):43-47.
- House of Lords (2000) *Science and Technology Committee - Science and Society* (Third Report, London: House of Lords Science and Technology Committee).
- House of Lords (2010) *Science and Technology Committee - Nanotechnologies and Food* (London: The Stationery Office).
- HRH The Prince of Wales (2004) 'Menace in the Minutiae: New Nanotechnology Has Potential Dangers as Well as Benefits', *The Independent on Sunday* 3:25.
- HSAC (2009) *Report on Nanosilver* (London: Hazardous Substances Advisory Committee (HSAC)).
- HSAC (2012) *Nanomaterials: Physico-Chemical Properties and Dose Considerations Required before Assessment of Biological Behaviour* (London: Hazardous Substances Advisory Committee (HSAC)).
- HSE (2013) *Using Nanomaterials at Work* (London: Prepared by the Institute of Occupational Medicine for the Health and Safety Executive (HSE) (HSG272)).
- IRGC (2006) *White Paper on Nanotechnology Risk Governance* (Geneva: International Risk Governance Council).
- IRGC (2007) *Nanotechnology Risk Governance: Recommendations for a Global, Coordinated Approach to the Governance of Potential Risks, Policy Brief* (Geneva: International Risk Governance Council (IRGC)).
- IRGC (2009) *Policy Brief: Appropriate Risk Governance: Strategies for Nanotechnology Applications in Food and Cosmetics* (Geneva: International Risk Governance Council (IRGC)).
- Irwin, A. (2001) 'Constructing the Scientific Citizen: Science and Democracy in the Biosciences', *Public Understanding of Science* 10(1):1-18.

6 Literatur

- Irwin, A. (2006) 'The Politics of Talk: Coming to Terms with the 'New' Scientific Governance', *Social Studies of Science* 36(2):299-320.
- Irwin, A. (2014) 'From Deficit to Democracy (Re-Visited)', *Public Understanding of Science* 23(1):71-76.
- Irwin, A. (2015) 'On the Local Constitution of Global Futures : Science and Democratic Engagement in a Decentred World', *Nordic Journal of Science and Technology* 3(2):24-32.
- Irwin, A. & M. Horst (2016) 'Engaging in a decentred world: overflows, ambiguities and the governance of climate change', in J. Chilvers & M. Kearnes (eds), *Re-making Participation: Science, Environment and Emergent Publics* (London and New York: Earthscan-Routledge): 64-80.
- Irwin, A., T.E. Jensen & K.E. Jones (2013) 'The Good, the Bad and the Perfect: Criticizing Engagement Practice', *Social Studies of Science* 43(1):118-35.
- Irwin, A. & M. Michael (2003) *Sience, Social Theory and Public Knowledge* (Maidenhead, Berks: Open University Press).
- Irwin, A. & B. Wynne (1996) *Misunderstanding Science? The Public Reconstruction of Science and Technology* (Cambridge: Cambridge University Press).
- ISO (2011) *Nanotechnologies - Nanomaterial Risk Evaluation* (Vernier: International Organization for Standardization (ISO/TR 31321)).
- Japp, K.P. (2002) 'Struktureffekte öffentlicher Risikokommunikation auf Regulierungsregime. Zur Funktion von Nichtwissen im BSE-Konflikt', in C. Engel, et al. (eds), *Wissen, Nichtwissen, Unsicheres Wissen* (Baden-Baden: Nomos).
- Jasanoff, S. (1990) *The Fifth Branch: Science Advisers as Policymakers* (Cambridge Massachusetts, London: Harvard University Press).
- Jasanoff, S. (1995) 'Product, Process or Programme: Three Cultures and the Regulation of Biotechnology', in M. Bauer (ed), *Resistance to New Technology: Nuclear Power, Information Technology and Biotechnology* (Cambridge: Cambridge University Press): 311-31.
- Jasanoff, S. (2003) 'Technologies of Humility: Citizen Participation in Governing Science', *Minerva* 41:223-44.
- Jasanoff, S. (2004) 'Heaven and Earth: the Politics of Environmental Images', in S. Jasanoff & M. Long Martello (eds), *Earthly Politics: Local and Global in Environmental Governance* (Cambridge, Massachusetts; London, England: The MIT Press): 31-54.
- Jasanoff, S. (2005) *Designs on Nature: Science and Democracy in Europe and the United States* (Princeton: Princeton University Press).
- Jasanoff, S. (2014) 'A Mirror for Science', *Public Understanding of Science* 23(1): 21-26.
- Jones, R. (2004) *Soft Machines: Nanotechnology and Life* (Oxford: Oxford University Press).
- Jones, R. (2008) 'When it Pays to Ask the Public', *Nature Nanotechnology* 3:578.
- Jones, R.E.L. (2014) 'Reflecting on Public Engagement and Science Policy', *Public Understanding of Science* 23(1):27-31.

- Joss, S. & J. Durant (1994) *Consensus Conferences: A Review of the Danish, Dutch and UK Approaches to this Special Form of Technology Assessment, and an Assessment of the Options for a Proposed Swiss Consensus Conference* (London and Basel: Science Museum and BATS).
- Joss, S. & J. Durant (eds) (1995) *Public Participation in Science: The Role of Consensus Conferences in Europe* (London: Science Museum).
- Joy, B. (2000) 'Why the Future Doesn't Need Us', *Wired* 8.04.
- Kaiser, M. (2009) 'Futures Assessed: How Technology Assessment, Ethics and Think Tanks Make Sense of an Unknown Future', in M. Kaiser, et al. (eds), *Sociology of the Sciences Yearbook — Assessment Regimes of Technology: Regulation, Deliberation & Identity Politics of Nanotechnology* (Dordrecht: Springer).
- Kaiser, M. (2012) *Über Folgen: Die politische Korrektur der Gegenwart durch die Abschätzung technologischer Zukünfte* (Philosophisch-historische Fakultät der Universität Basel: Dissertation zur Erlangung der Würde eines Doktors der Philosophie).
- Kaiser, M. (2015) *Über Folgen – technische Zukunft und politische Gegenwart* (Weilerwist: Velbrück Wissenschaft).
- Kaiser, M., M. Kurath, S. Maasen & C. Rehmann-Sutter (eds) (2009) *Governing Future Technologies: Nanotechnology and the Rise of an Assessment Regime* (Berlin: Springer).
- Kaiser, M. & S. Maasen (2007) 'Vertrauen ist gut. Verantwortung ist besser. Die Herstellung von Verantwortlichkeit in der partizipativen Technikfolgenabschätzung', in C. Rehmann-Sutter, et al. (eds), *Gekauftes Gewissen – Zur Rolle der Bioethik in Institutionen* (Paderborn: Mentis): 71-87.
- Kearnes, M. (2009) 'The Time of Science: Deliberation and the 'New Governance' of Nanotechnology', in M. Kaiser, et al. (eds), *Governing Future Technologies: Nanotechnology and the Rise of an Assessment Regime* (Berlin: Springer).
- Kearnes, M. & R. Doubleday (2010) 'United Kingdom', in D. Guston (ed), *Encyclopedia of Nanoscience and Society* (Thousand Oaks: Sage).
- Kearnes, M., et al. (2006a) 'From Bio to Nano: Learning Lessons from the UK Agricultural Biotechnology Controversy', *Science as Culture* 15(4):291-307.
- Kearnes, M., P. Macnaghten & J. Wilsdon (2006b) 'Governing at the Nanoscale. People, Policies and Emerging Technologies', in (London: Demos).
- Kearnes, M. & A. Rip (2009) 'The Emerging Governance Landscape of Nanotechnology', in S. Gammel, et al. (eds), *Jenseits von Regulierung: Zum politischen Umgang mit der Nanotechnologie* (Heidelberg: AKA-Verlag).
- Kearnes, M. & B. Wynne (2007) 'On Nanotechnology and Ambivalence: The Politics of Enthusiasm', *NanoEthics* 1(2):131-42.
- Keller, R. (2011) *Wissenssoziologische Diskursanalyse: Grundlegung eines Forschungsprogramms. 3. Auflage* (Wiesbaden: VS Verlag für Sozialwissenschaften).
- Khushf, G. (2004) 'The Ethics of Nanotechnology. Vision and Values for a New Generation of Science and Engineering', in National Academy of Engineering (ed), *Emerging Technologies and Ethical Issues in Engineering. Papers from a Workshop, October 14-15, 2003* (Washington, DC: National Academies Press).

6 Literatur

- Kirton, J.J. & M.J. Trebilcock (eds) (2004) *Soft Law: Voluntary Standards in Global Trade, Environment and Social Governance* (Burlington: Ashgate).
- Kleinman, D.L., J.A. Delborne & A.A. Anderson (2011) 'Engaging Citizens: The High Cost of Citizen Participation in High Technology', *Public Understanding of Science* 20(2):221–40.
- Knorr Cetina, K. (1981) *The Manufacture of Knowledge: An Essay on the Constructivist and Contextual Nature of Science* (Oxford, UK: Pergamon).
- Knorr Cetina, K. (1995) 'Laboratory Studies: The Cultural Approach to the Study of Science', in S. Jasanoff, et al. (eds), *Handbook of Science and Technology Studies* (Thousand Oaks: Sage Publications): 140-66.
- Knorr Cetina, K. (2002) *Wissenskulturen* (Frankfurt am Main: Suhrkamp).
- Köberle, S., F. Gloede & L. Hennen (1997) *Diskursive Verständigung? Mediation und Partizipation in Technikkontroversen* (Baden-Baden: Nomos).
- Krug, H., K. Kern & S. Diabaté (2004) 'Toxikologische Aspekte der Nanotechnologie. Versuch einer Abwägung', in T. Fleischer, et al. (eds), *Grosse Aufmerksamkeit für kleine Welten – Nanotechnologie und ihre Folgen* (Karlsruhe: Forschungszentrum Karlsruhe in der Helmholtz-Gemeinschaft): 58-64.
- Kühling, W. & P. Cameron (2006) *Nanotechnologie nachhaltig gestalten – Konzept für einen verantwortungsvollen Umgang mit der Entwicklung und Anwendung von Nanotechnologien* (Memorandum: Evangelische Akademie Iserlohn: Berlin, Bund für Umwelt und Naturschutz Deutschland BUND/Freunde der Erde).
- Kulinowski, K. (2004) 'Nanotechnology: From "Wow" to "Yuck"?", *Bulletin of Science, Technology & Society* 24(1):13-20.
- Kurath, M. (2005) *Wissenschaft in der Krise? Risikodiskurse über Gentechnik im transatlantischen Vergleich* (Zürich: Chronos).
- Kurath, M. (2009) 'Nanotechnology Governance: Accountability and Democracy in New Modes of Regulation and Deliberation', *Science, Technology and Innovation Studies* 5(2):87-110.
- Kurath, M. & P. Gisler (2009) 'Informing, Involving or Engaging? Science Communication, in the Ages of Atom-, Bio- and Nanotechnology', *Public Understanding of Science* 18(5):559-73.
- Kurath, M. & M. Kaiser (2010) 'Fragile Disziplinen: Identitäts-Diskurse und Transformationsprozesse in den Nanowissenschaften und Nanotechnologien', in M. Erlenmann, et al. (eds), *Technologisierung gesellschaftlicher Zukünfte. Nanotechnologien in wissenschaftlicher, politischer und öffentlicher Praxis* (Herbolzheim: Centaurus): 93-108.
- Kurath, M. & S. Maasen (2006) 'Toxicology as a nanoscience? - Disciplinary identities reconsidered', *Particle and Fibre Toxicology* 3(1):6.
- Kurath, M., M. Nentwich, T. Fleischer & I. Eisenberger (2014a) 'Cultures and Strategies in the Regulation of Nanotechnology in Germany, Austria, Switzerland and the European Union', *NanoEthics* 8(2):121-40.

- Kurath, M., M. Nentwich, T. Fleischer & I. Eisenberger (2014b) 'Regulierungskulturen und Strategien der Nanotechnologie in Deutschland, Österreich, der Schweiz und der Europäischen Union', in A. Gazsó & J. Haslinger (eds), *Nano Risk Governance: Der gesellschaftliche Umgang mit Nanomaterialien* (Berlin: Springer).
- Labor Coalition (2007) *An Open Letter to the International Nanotechnology Community at Large: Civil Society-Labor Coalition Rejects Fundamentally Flawed DuPont-ED Proposed Framework and Urges All Parties To Reject The Public Relations Campaign* (Washington DC: Civil Society-Labor Coalition).
- Lacour, S. (2010) 'European Union', in D. Guston (ed), *Encyclopedia of Nanoscience and Society* (Thousand Oaks: Sage): 220-24.
- Lamneck, S. (1995) *Qualitative Sozialforschung: Band 2 Methoden und Techniken* (Weinheim: Beltz).
- Latour, B. (1987) *Science in Action. How to Follow Scientists and Engineers through Society* (Keynes: Milton).
- Latour, B. (1995) *Wir sind nie modern gewesen. Versuch einer symmetrischen Anthropologie* (Berlin: Akademie-Verlag).
- Latour, B. (2005) *Reassembling the Social: An Introduction to Actor-Network-Theory* (New York: Oxford Univ. Press).
- Latour, B. & S. Woolgar (1979) *Laboratory Life: The Social Construction of Scientific Facts* (Beverly Hills: Sage).
- Laurent, B. (2013) 'Nanomaterials in Political Life: In the Democracies of Nanotechnology', in R. Brayner, et al. (eds), *Nanomaterials: A Danger or a Promise? A Chemical and Biological Perspective* (London: Springer): 379-99.
- Law, J. & J. Hassard (eds) (1999) *Actor Network Theory and After* (Oxford: Blackwell).
- Law, J. & A. Mol (2001) 'Situating Technoscience: An Inquiry into Spatialities', *Environment and Planning D: Society and Space* 19:609-21.
- Lerer, D. (2013) 'Big Things in Small Packages: Evaluating the City of Berkeley's Nanotechnology Ordinance Effectiveness as a Model of Targeted Transparency', *Pace Environmental Law Review* 30(2):6.
- Lewenstein, B.V. (1987) 'Was There Really a Popular Science 'Boom'? ', *Science, Technology & Human Values* 12(2):29-41.
- Lewenstein, B.V. (1992) 'The Meaning of 'Public Understanding of Science' in the United States after World War II', *Public Understanding of Science* 1(1):45-68.
- Lösch, A. (2009) 'Technologien jenseits ihrer Regulierbarkeit: Soziologische Fallstudien zur Formierung und Regierung der Nanotechnologie', in, *Gesellschafts und Geschichtswissenschaften* (Darmstadt: Technologische Universität): 369.
- Lösch, A. (2010) 'Visual Dynamics: The Defuturization of the Popular 'Nano-Discourse' as an Effect of Increasing Economization', in M. Kaiser, et al. (eds), *Governing Future Technologies: Nanotechnology and the Rise of an Assessment Regime*. (Dordrecht: Springer): 89-108.

6 Literatur

- Lösch, A. (2012) 'Risiko als Medium zur Kommunikation von Nichtwissen. Eine soziologische Fallstudie zur Selbstregulierung der Nanotechnologie', in N. Janich, et al. (eds), *Nichtwissenskommunikation in den Wissenschaften. Interdisziplinäre Zugänge* (Frankfurt am Main: Peter Lang).
- Lösch, A. (2014) *Die diskursive Konstruktion einer Technowissenschaft: Wissenssoziologische Analytik am Beispiel der Nanotechnologie* (Baden Baden: Nomos).
- Lösch, A., S. Gammel & A. Nordmann (2008) 'Observieren—Sondieren—Regulieren: Zur gesellschaftlichen Einbettung nanotechnologischer Entwicklungsprozesse (Bestandesaufnahme und Modellentwurf)', in (Darmstadt: Technische Universität Darmstadt, Büro für Interdisziplinäre Nanotechnikforschung—Nanobüro mit Unterstützung des Bundesministeriums für Bildung und Forschung (BMBF)).
- Luhmann, N. (1984) *Soziale Systeme: Grundriss einer allgemeinen Theorie* (Frankfurt am Main: Suhrkamp).
- Luhmann, N. (1986) *Ökologische Kommunikation: Kann die moderne Gesellschaft sich auf ökologische Gefährdungen einstellen?* (Opladen: Westdeutscher Verlag).
- Luhmann, N. (1991) *Soziologie des Risikos* (Berlin, New York: de Gruyter).
- Lyall, C. & J. Tait (eds) (2005) *New Modes of Governance: Developing an Integrated Policy Approach to Science, Technology, Risk and the Environment* (Hants/UK: Ashgate).
- Lynch, M. (1985) *Art and Artifact in Laboratory Science: A Study of Shop Work and Shop Talk in a Research Laboratory* (London: Routledge & Kegan Paul).
- Maasen, S. (1999) *Wissenssoziologie – Eine Einführung* (Bielefeld: Transkript).
- Maasen, S. (2009) 'Converging Technologies – Diverging Reflexivities? Intellectual Work in Knowledge-Risk-Media-Audit Societies', in M. Kaiser, et al. (eds), *Assessment Regimes of Technology: Regulation, Deliberation & Identity Politics of Nanotechnology* (Dordrecht: Springer).
- Maasen, S. & P. Weingart (2000) *Metaphors and the Dynamics of Knowledge* (New York/London: Routledge).
- Maasen, S. & P. Weingart (eds) (2005) *Democratization of Expertise? Exploring Novel Forms of Scientific Advice in Political Decision-Making* (Dordrecht, NL: Springer).
- Maasen, S. & P. Weingart (2007) *Unternehmerische Universität und neue Wissenschaftskultur* (Wiesbaden: VS Verlag).
- Mac Naghten, P., M. Kearnes & B. Wynne (2005) 'Nanotechnology, Governance and Public Deliberation: What Role for the Social Sciences', *Science Communications* 21(2):1-24.
- Macoubrie, J. (2005) 'Informed Public Perceptions of Nanotechnology and Trust in Government', in (Washington DC: Woodrow Wilson International Center for Scholars).
- Marchant, G.E., D.J. Sylvester & K.W. Abbott (2007) 'Nanotechnology Regulation: The United States Approach', in G.A. Hodge, et al. (eds), *New Global Frontiers in Regulation: The Age of Nanotechnology* (Cheltenham: Edward Elgar): 189-211.
- Marres, N. (2012) *Material Participation: Technology, the Environment and Everyday Publics* (Basingstoke: Palgrave).

- Marris, C. & N. Rose (2010) 'Open Engagement: Exploring Public Participation in the Biosciences', *PLoS Biology* 8(11):e1000549.
- Mayer, S. (2002) 'From Genetic Modification to Nanotechnology: The Dangers of "Sound Science"', in T. Gilland (ed), *Science: Can We Trust the Experts?* (London: Hodder and Stoughton): 1-15.
- Maynard, A.D. (2011) *International Standards Organisation guidelines for evaluating nanomaterial risks – are they any good?* (Blog: <http://2020science.org/tag/nano-risk-framework/>; 10.07.2014).
- Mayntz, R. (2004) 'Governance im modernen Staat', in A. Benz (ed), *Governance, Regieren in komplexen Regelsystemen* (Wiesbaden: Verlag für Sozialwissenschaften): S. 65-75.
- Mayntz, R. (2005) 'Governance-Theorie als fortentwickelte Steuerungs-Theorie', in G.F. Schuppert (ed), *Governance Forschung: Vergewisserung über Stand und Entwicklungslinien* (Baden-Baden: Nomos): 11-20.
- Mayntz, R. (2008) 'Von der Steuerungstheorie zu Global Governance', in G.F. Schuppert & M. Zürn (eds), *Governance in einer sich wandelnden Welt* (Wiesbaden: VS Verlag für Sozialwissenschaften).
- Mayntz, R. & F.W. Scharpf (eds) (1995) *Gesellschaftliche Selbstregelung und Steuerung* (Frankfurt am Main: Campus).
- Mayring, P. (1988) *Qualitative Inhaltsanalyse: Grundlagen und Techniken* (Weinheim: Deutscher Studienverlag).
- McCormick, J. (2001) *Environmental Policy in the European Union* (New York: Palgrave).
- McGoey, L. (2012) 'Strategic Unknowns: Towards a Sociology of Ignorance', *Economy and Society* 41(1):1-16.
- McGoey, L. (ed) (2014) *An Introduction to the Sociology of Ignorance: Essays on the Limits of Knowing* (London: Routledge).
- Meadows, D., D. Meadows & J. Randers (1972) 'The Limits to Growth: A Report for the Club of Rome's Project on the Predicament of Mankind', in (London: Potomac).
- Medley, T. & S. Walsh (2007) *Nano Risk Framework: Environmental Defense Fund-DuPont Nano Partnership* (Washington: Environmental Defense Fund and DuPont).
- Mehta, M.D. (2004) 'From Biotechnology to Nanotechnology: What Can we Learn from Earlier Technologies', *Bulletin of Science, Technology & Society* 24(1):34-39.
- Meili, C. (2006) *Nano Regulation: A Multi-Stakeholder-Dialogue-Approach Towards a Sustainable Regulatory Framework for Nanotechnologies and Nanosciences* (St. Gallen: Die Innovationsgesellschaft).
- Merton, R.K. (1987) 'Three Fragments from a Sociologist's Notebook: Establishing the Phenomenon, Specified Ignorance, and Strategic Research Materials', *Annual Review of Sociology* 13:1-28.
- Merz, M. (2010) 'Reinventing a Laboratory: Nanotechnology as a Resource for Organizational Change', in M. Kaiser, et al. (eds), *Governing Future Technologies. Sociology of the Sciences Yearbook* 27 (Dordrecht: Springer): 3-19.

6 Literatur

- Merz, M. (2015) 'Dynamique locale des nanosciences au croisement de disciplines établies', in A. Gorga & P. Leresche (eds), *Disciplines académiques en transformation: Entre innovation et résistance* (Paris: Editions des Archives Contemporaines): 105-18.
- Merz, M. & P. Biniok (2014) 'The Local Articulation of Contextual Resources: From Metallic Glasses to Nanoscale Research', in M. Merz & P. Sormani (eds), *The Local Configuration of New Research Fields: On Regional and National Diversity. Sociology of the Sciences Yearbook* (Vol. 29, Dordrecht: Springer).
- Merz, M. & P. Sormani (eds) (2014) *The Local Configuration of New Research Fields: On Regional and National Diversity* (Dordrecht: Springer).
- Michael, M. (1986) 'Ignoring Science: Discourses of Ignorance in the Public Understanding of Science', in A. Irwin & B. Wynne (eds), *Misunderstanding Science?* (Cambridge: Cambridge University Press): 107-25.
- Michael, M. (2006) *Technoscience and Everyday Life* (Berkshire: Open University Press).
- Milburn, C. (2002) 'Nanotechnology in the Age of Posthuman Engineering: Science Fiction as Science', *Configurations* 10:261-95.
- Milburn, C. (2004) 'Nanotechnology in the Age of Posthuman Engineering: Science Fiction as Science', in K. Hayles (ed), *Nanoculture - Implications of the New Technoscience* (Bristol, UK & Portland, Oregon: Intellect Books): 109-29.
- Milburn, C. (2008) *Nanovision: Engineering the Future* (Durham NC: Duke University Press).
- Miller, J. (1987) *Scientific Literacy in the United States: Communicating Science to the Public* (New York: Wiley).
- Miller, S. (2001) 'Public Understanding of Science at the Crossroads', *Public Understanding of Science* 10(1):115-20.
- NAS (1996) *Biomolecular Self-Assembling Materials: Scientific and Technological Frontiers* (Washington DC: National Research Council, National Academy of Sciences).
- Nasser, S., H. (2008) *Sources and Norms of International Law: A Study on Soft Law* (Gienicke/Berlin: Galda + Wilch).
- Nature (2004) 'Going Public', *Nature* 431(7011 October 2004):883.
- Nelkin, D. (1976) 'Changing Images of Science: New Pressures on Old Stereotypes', *Newsletter of the Program on Public Conceptions of Science* 14(January 1976): 21-31.
- Nelson, M. & C. Shipbaugh (1995) *The Potential of Nanotechnology for Molecular Manufacturing* (Santa Monica, CA: RAND Corporation).
- NIA (2008) *Responsible Nano Code* (Brussels: Nanotechnology Industries Association).
- NIOSH (2007) *Progress Toward Safe Nanotechnology in Workplace* (Washington DC: National Institute for Occupational Safety and Health (NIOSH)).

- NIOSH (2008) *Safe Nanotechnology in the Workplace: An Introduction for Explorers, Managers, and Safety and Health Professionals* (Washington DC: National Institute for Occupational Safety and Health (NIOSH)).
- NIOSH (2009) *Approaches to Safe Nanotechnology: Managing the Health and Safety Concerns Associated with Engineered Nanomaterials* (Washington DC: National Institute for Occupational Safety and Health (NIOSH)).
- NIOSH (2010) *Strategic Plan for NIOSH Nanotechnology Research and Guidance: Filling the Knowledge Gaps* (Washington DC: National Institute for Occupational Safety and Health (NIOSH)).
- NIOSH (2013) *Filling the Knowledge Gaps for Safe Nanotechnology in the Workplace* (Washington DC: National Institute for Occupational Safety and Health (NIOSH)).
- NIOSH (2014a) *Current Strategies for Engineering Controls in Nanomaterial Production and Downstream Handling Processes* (Washington DC: National Institute for Occupational Safety and Health (NIOSH)).
- NIOSH (2014b) *Protecting the Nanotechnology Workforce: NIOSH Nanotechnology Research and Guidance Strategic Plan, 2013-2016* (Washington DC: National Institute for Occupational Safety and Health (NIOSH)).
- Nordmann, A. (2003) 'Shaping the World Atom by Atom: Eine nanowissenschaftliche WeltBildanalyse', in A. Grunwald (ed), *Technikgestaltung zwischen Wunsch und Wirklichkeit* (Berlin: Springer): 191-2002.
- Nordmann, A. (2005) 'Was ist TechnoWissenschaft? Zum Wandel der Wissenschaftskultur am Beispiel von Nanoforschung und Bionik', in T. Rossmann & C. Tropea (eds), *Bionik: Aktuelle Forschungsergebnisse in Natur-, Ingenieur- und Geisteswissenschaft* (Berlin: Springer): 210.
- Nordmann, A. (2007) 'If and Then: A Critique of Speculative NanoEthics', *NanoEthics* 1(1):31-46.
- Nordmann, A. (2009) 'Invisible Origins of Nanotechnology: Herbert Gleiter, Materials Science, and Questions of Prestige', *Perspectives on Science* 17(2):123-43.
- Nordmann, A. (2010) 'Was wissen die Technowissenschaften?', in F. Gethmann (ed), *Lebenswelt und Wissenschaft. Kolloquiumsband des XXI Deutschen Kongresses für Philosophie* (Hamburg: Meiner).
- Nordmann, A. (2011) 'The Age of Technoscience', in A. Nordmann & e. al. (eds), *Science Transformed? Debating Claims of an Epochal Break* (Pittsburgh: Pittsburgh University Press): 19-30.
- Nordmann, A., J. Schummer & D. Baird (eds) (2004) *Discovering the Nanoscale — Societal Shaping of Nanotechnologies* (Amsterdam: IOS).
- Nowotny, H. (1993) 'Socially Distributed Knowledge: Five Spaces for Science to Meet the Public', *Public Understanding of Science* 2(4):307-19.
- Nowotny, H. (2014) 'Engaging with the Political Imaginaries of Science: Near Misses and Future Targets', *Public Understanding of Science* 23(1):16-20.
- Nowotny, H., P. Scott & M. Gibbons (2001) *Re-Thinking Science: Knowledge and the Public in an Age of Uncertainty* (London: Polity Press).
- NRC (2002) *Small Wonders, Endless Frontiers: A Review of the National Nanotechnology Initiative* (Washington DC: The National Academies Press).

6 Literatur

- NRC (2007) *Rising Above the Gathering Storm: Energizing and Employing America for a Brighter Economic Future*. (Washington, DC: National Research Council (NRC): The National Academies Press).
- NRC (2009) *Review of Federal Strategy for Nanotechnology-Related Environmental, Health, and Safety Research* (Washington DC: The National Academies: Committee for Review of the Federal Strategy to Address Environmental, Health, and Safety Research Needs for Engineered Nanoscale Materials, Committee on Toxicology, National Research Council (NRC)).
- NRC (2011) *A Matter of Size: Triennial Review of the National Nanotechnology Initiative* (Washington DC: The National Academies: Committee to Review the National Nanotechnology Initiative, National Research Council).
- NRC (2013) *Triennial Review of the National Nanotechnology Initiative* (Washington DC: The National Academies: Committee to Review the National Nanotechnology Initiative, National Research Council).
- NSET (2000) *National Nanotechnology Initiative: The Initiative and its Implementation Plan* (Washington DC: National Science and Technology Council (NSTC), Committee on Technology (CT) Subcommittee on Nanoscale Science, Engineering and Technology (NSET)).
- NSET (2003) *Nanotechnology and the Environment: NNI Workshop Report (2003)* (Washington DC: National Science and Technology Council Committee on Technology (CT) Subcommittee on Nanoscale Science, Engineering, and Technology (NSET)).
- NSET (2004) *The National Nanotechnology Initiative Strategic Plan, December 2004* (Washington DC: Nanoscale Science, Engineering and Technology Subcommittee (NSET); Committee on Technology (CT), National Science and Technology Council (NSTC)).
- NSET (2006) *Environmental, Health, and Safety Research Needs for Engineered Nanoscale Materials, September 2006* (Washington DC: National Science and Technology Council Committee on Technology (CT) Subcommittee on Nanoscale Science, Engineering, and Technology (NSET) Nanotechnology Environmental and Health Implications (NEHI) Working Group).
- NSET (2007) *National Nanotechnology Initiative Strategic Plan, December 2007* (Washington DC: Nanoscale Science, Engineering and Technology Subcommittee (NSET); Committee on Technology (CT), National Science and Technology Council (NSTC)).
- NSET (2008) *National Nanotechnology Initiative: Strategy for Nanotechnology-Related Environmental, Health, and Safety Research* (Washington, DC: National Science and Technology Council Committee on Technology (CT), Subcommittee on Nanoscale Science, Engineering, and Technology (NSET), Nanotechnology Environmental and Health Implications (NEHI) Working Group).
- NSET (2011a) *National Nanotechnology Initiative Environmental, Health, and Safety (EHS) Research Strategy* (Washington DC: National Science and Technology Council (NSTC), Committee on Technology (CT), Subcommittee on Nanoscale Science, Engineering, and Technology (NSET)).

- NSET (2011b) *National Nanotechnology Initiative Strategic Plan, December 2011* (Washington DC: Nanoscale Science, Engineering and Technology Subcommittee (NSET); Committee on Technology (CT), National Science and Technology Council (NSTC)).
- NSTC (1999) *Nanotechnology: Shaping the World Atom by Atom* (Washington DC: National Science and Technology Council (NSTC), Committee on Technology (CT), The Interagency Working Group on Nanoscience, Engineering and Technology).
- NSTC (2000) *National Nanotechnology Initiative: Leading to the Next Industrial Revolution* (Washington DC: Interagency Working Group on Nanoscience, Engineering and Technology, Committee on Technology (CT), National Science and Technology Council (NSTC)).
- Oberdörster, G. (2001) 'Pulmonary Effects of Inhaled Ultrafine Particles', *Int. Arch. Occup. Environ. Health* 74:1-8.
- Oberdörster, G., E. Oberdörster & J. Oberdörster (2005) 'Nanotoxicology: An Emerging Discipline Evolving from Studies of Ultrafine Particles', *Environmental Health Perspectives* 113(7):823-39.
- Offe, C. (2008) 'Governance "Empty Signifier" oder sozialwissenschaftliches Forschungsprogramm?', in G.F. Schuppert & M. Zürn (eds), *Governance in einer sich wandelnden Welt* (Wiesbaden: VS Verlag für Sozialwissenschaften).
- Öko-Institut (2010) *Rechtliche Machbarkeitsstudie zu einem Nanoproduktregister* (Berlin: Gefördert durch das Umweltbundesamt mit Mitteln des Bundesministeriums für Umwelt, Naturschutz und Reaktorsicherheit).
- OTA (1991) *Miniaturization Technologies* (Washington DC: Congress of the United States Office of Technology Assessment).
- P6_TA (2009) *Entschließung des Europäischen Parlaments vom 24. April 2009 zu Regelungsspekten bei Nanomaterialien (2008/2208(INI))* (Brüssel: Europäisches Parlament, P6_TA(2009)0328).
- P.L. 91-190 (1969) *The U.S. National Environmental Policy Act (NEPA) of 1969* (Washington D.C.: 91st United States Congress).
- P.L. 91-596 (1970) *Occupational Safety and Health Act (OSHA Act)* (Washington DC: 91th United States Congress).
- P.L. 94-469 (1976) *Toxic Substances Control Act (TSCA)* (Washington DC: 94th United States Congress).
- P.L. 108-153 (2003) *21st Century Nanotechnology Research and Development Act* (Washington DC: 108th United States Congress).
- P.L. 110-69 (2007) *America Creating Opportunities to Meaningfully Promote Excellence in Technology, Education, and Science (COMPETES) Act* (Washington DC: 111th United States Congress).
- P.L. 113-100 (2012) *The U.S. Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)* (Washington DC: 113. United States Congress).
- P.L. S 2942 (2010) *Nanotechnology Safety Act* (Washington DC: 111. United States Congress).

6 Literatur

- Paschen, H., et al. (2003) *TA-Projekt Nanotechnologie Endbericht* (Berlin: Büro für Technikfolgenabschätzung des deutschen Bundestags).
- Paschen, H., et al. (2004) *Nanotechnologie – Forschung, Entwicklung, Anwendung* (Berlin: Springer).
- PCAST (2005) *The National Nanotechnology Initiative at Five Years: Assessment and Recommendations of the National Nanotechnology Advisory Panel* (Washington DC: the President's Council of Advisors on Science and Technology).
- PCAST (2008) *Report to the President and Congress on the Second Assessment of the National Nanotechnology Initiative* (Washington DC: Executive Office of the President; President's Council of Advisors of Science and Technology (PCAST)).
- PCAST (2010) *Report to the President and Congress on the Third Assessment of the National Nanotechnology Initiative* (Washington DC: Executive Office of the President; President's Council of Advisors of Science and Technology (PCAST)).
- PCAST (2012) *Report to the President and Congress on the Fourth Assessment of the National Nanotechnology Initiative* (Washington DC: President's Council of Advisors on Science and Technology).
- Perlman, D. (1982) 'Responses and Reconsiderations', *Science, Technology and Human Values* 7(38):103-04.
- Peters, A. (2011) 'Soft Law as a New Mode of Governance', in U. Diedrichs, et al. (eds), *The Dynamics of Change in EU Governance* (Cheltenham, UK, Northampton, MA, USA: Edward Elgar): 21-51.
- Peters, A. & I. Pagotto (2006) 'Soft Law as a New Mode of Governance: a Legal Perspective', *report of the project NEWGOV New Modes of Governance. Integrated Project. Priority 7 - Citizens and Governance in the Knowledge-Based Society* 04(D11).
- Ploeger, J. (2009) *The Boundaries of the New Frontier: Rhetoric and Communication at Fermi National Accelerator Laboratory* (Columbia: University of South Carolina Press).
- Popper, K. (1989) *Logik der Forschung* (Tübingen: Mohr).
- Raffensperger, C. & J.A. Tickner (eds) (1999) *Protecting Public Health and the Environment: Implementing the Precautionary Principle* (Washington DC: Island Press).
- Ravetz, J.R. (1987) 'Uncertainty, Ignorance and Policy', in H. Brooks & C. Cooper (eds), *Science for Public Policy* (Oxford: Pergamon Press): 77-89.
- RCEP (1998) *Setting Environmental Standards* (London: Royal Commission on Environmental Pollution).
- RCEP (2008) *Novel Materials in the Environment: The Case of Nanotechnology* (London: Royal Commission of Environmental Pollution).
- Renn, O., H. Kastenholz, P. Schild & U. Wilhelm (1998) *Affallpolitik im kooperativen Diskurs* (Zürich: ETH vdf).
- Rhodes, R.A.W. (1997) *Understanding Governance: Policy Networks, Governance, Reflexivity and Accountability* (Buckingham, Philadelphia: Open University Press).
- Rip, A. (2006) 'Folk Theories of Nanotechnologists', *Science as Culture* 15(4):349-65.

- Rip, A., T. Misa & J. Schot (eds) (1995) *Managing Technology in Society: The Approach of Constructive Technology Assessment* (London, New York: Pinter).
- Rip, A. & M. van Amerom (2009) 'Emerging De Facto Agendas Surrounding Nanotechnology: Two Cases Full of Contingencies, Lock-Outs, and Lock-Ins', in M. Kaiser, et al. (eds), *Governing Future Technologies: Nanotechnology and the Rise of an Assessment Regime* (Dordrecht: Springer).
- Rip, A. & J.-P. Voss (2013) 'Umbrella Terms in the Governance of Emerging Science and Technology', *Science, Technology & Innovation Studies* 9(2):39-59.
- Roco, M.C. (2000) *Nanotechnology Research Directions: IWGN Workshop Report: Vision for Nanotechnology in the Next Decade* (New York: Springer).
- Roco, M.C. (2004) 'The US National Nanotechnology Initiative after 3 Years (2001-2003)', *Journal of Nanoparticle Research* 6:1-10.
- Roco, M.C. & W.S. Bainbridge (2003) *Converging Technologies for Improving Human Performance: Nanotechnology, Biotechnology, Information Technology and Cognitive Science* (Norwell: Kluwer).
- Roco, M.C. & W.S.e. Bainbridge (2001) 'Societal Implications of Nanoscience and Nanotechnology', in (Dordrecht: Kluwer).
- Rodgers, P. (2003) 'Nano Threats and Challenges', *Physics World* Juli 1.
- Rogers-Hayden, T. & N. Pidgeon (2007) 'Moving Engagement 'upstream'? Nanotechnologies and the Royal Society and Royal Academy of Engineering's inquiry', *Public Understanding of Science* 16:345-64.
- Rose, N. & P. Miller (1992) 'Political Power Beyond the State: Problematics of Government', *British Journal of Sociology* 43(2):173-205.
- Rowe, G. & L.J. Frewer (2000) 'Public Participation Methods: A Framework for Evaluation', *Science, Technology & Human Values* 25(3):3-29.
- RS&RAE (2004) 'Nanoscience and Nanotechnologies: Opportunities and Uncertainties', in (London: Royal Society and Royal Academy of Engineering).
- Savolainen, K., et al. (2013) *Nanosafety in Europe 2015 - 2025: Towards Safe and Sustainable Nanomaterials and Nanotechnology Innovations*. (Brussels: European Nanosafety Cluster).
- SCCP (2007) *Safety of Nanomaterials in Cosmetic Products* (Brussels: Scientific Committee on Consumer Products).
- SCENIHR (2007a) *Opinion on: The Appropriateness of the Risk Assessment Methodology in Accordance with the Technical Guidance Documents for New and Existing Substances for Assessing the Risks of Middlematerials* (Brussels: Scientific Committee on Emerging and Newly Identified Health Risks).
- SCENIHR (2007b) *Opinion on: The Scientific Aspects of the Existing and Proposed Definitions Relating to Products of Nanoscience and Nanotechnologies* (Brussels: Scientific Committee on Emerging and Newly Identified Health Risks).
- SCENIHR (2009) *Risk Assessment of Products of Nanotechnologies* (Brussels: European Commission, Directorate-General for Health & Consumers: Scientific Committee on Emerging and Newly Identified Health Risks (SCENIHR)).

6 Literatur

- SCENIHR (2010) *Scientific Basis for the Definition of the Term "Nanomaterial"* (Brussels: Scientific Committee on Emerging and Newly Identified Health Risks).
- SCENIHR (2013) *Preliminary Opinion on Nanosilver: Safety, Health and Environmental Effects and Role in Antimicrobial Resistance* (Brussels: Scientific Committee on Emerging and Newly Identified Health Risks).
- SCENIHR, SCCS & SCHER (2009) *Addressing the New Challenges for Risk Assessment* (Brussels: European Commission, Scientific Committee on Emerging and Newly Identified Health Risks (SCENIHR), Scientific Committee on Consumer Safety (SCCS), Scientific Committee on Health and Environmental Risks (SCHER)).
- Schaper-Rinkel, P. (2006) 'Governance von Zukunftsversprechen: Zur politischen Ökonomie der Nanotechnologie', *PROKLA* 36(4):473-96.
- Schaper-Rinkel, P. (2010a) 'Nanotechnologiepolitik: Die Antizipation potentieller Umwelt- und Technikkonflikte in der Governance der Nanotechnologie', in P.H. Feindt & T. Saretzki (eds), *Umwelt- und Technikkonflikte* (Wiesbaden: VS Verlag für Sozialwissenschaften): 317-34
- Schaper-Rinkel, P. (2010b) 'Nanotechnologiepolitik: The discursive Making of Nanotechnology', in P. Lucht, et al. (eds), *Technologisierung gesellschaftlicher Zukünfte: Nanotechnologie in wissenschaftlicher, politischer und öffentlicher Praxis* (Horbzheim: Centaurus): 33-47.
- Schaper-Rinkel, P. (2013) 'The Role of Future-Oriented Technology Analysis in the Governance of Emerging Technologies: The Example of Nanotechnology', *Technological Forecasting and Social Change* 80(3):444-52.
- Schmid, G., et al. (2003) *Small Dimensions and Material Properties. A Definition of Nanotechnology* (Bad Neuenahr-Ahrweiler: Europäische Akademie zur Erforschung von Folgen wissenschaftlich-technischer Entwicklungen).
- Schummer, J. (2004) 'Societal and Ethical Implications of Nanotechnology: Meanings, Interest Groups, and Social Dynamics', *Techné: Research in Philosophy and Technology* 8(2):56-87.
- Schummer, J. (2009) *Nanotechnologie. Spiele mit Grenzen* (Frankfurt am Main: Suhrkamp).
- Schummer, J. & D. Baird (eds) (2006) *Nanotechnology Challenges: Implications for Philosophy, Ethics and Society* (New Jersey: World Scientific).
- Schuppert, G.F. (2008) 'Governance – auf der Suche nach Konturen eines "anerkannt uneindeutigen Begriffs"', in G.F. Schuppert & M. Zürn (eds), *Governance in einer sich wandelnden Welt* (Wiesbaden: Verlag für Sozialwissenschaften): 13-42.
- Schuppert, G.F. & M. Zürn (eds) (2008) *Governance in einer sich wandelnden Welt* (Wiesbaden: Verlag für Sozialwissenschaften).
- Slove, R. (2010) *Reinventing Technology Assessment. Report* (Washington DC: Woodrow Wilson International Center for Scholars).
- Scott, J. & D.M. Trubek (2002) 'Mind the Gap: Law and New Approaches to Governance in the European Union', *European Law Journal* 8(1):1-18.
- Selin, C. (2007a) 'Expectations and the Emergence of Nanotechnology', *Science, Technology & Human Values* 32(2):196-220.

- Selin, H. (2006) *Transatlantic Politics of Chemicals Management* (De Hague, Netherlands).
- Selin, H. (2007b) 'Coalition Politics and Chemicals Management in a Regulatory Ambitious Europe', *Global Environmental Politics* 7(3):63-93.
- Shapira, P. & J. Wang (2007) *R&D Policy in the United States: The Promotion of Nanotechnology R&D* (Atlanta GA: Case Study, Program in Science, Technology and Innovation Policy, Georgia Institute of Technology).
- Shapira, P. & J. Youtie (2010) 'United States', in D. Guston (ed), *Encyclopedia of Nanoscience and Society* (Thousand Oaks CA: Sage): 782-88.
- Shils, E. (1974) 'Public Understanding of Science', *Minerva* 12(2, April 1974):153-58.
- Siegel, R.W., E. Hu & M.C. Roco (eds) (1999) *Nanostructure Science and Technology: A Worldwide Study* (Dordrecht: Kluwer Academic Publishers).
- Singh, J. (2007) 'Polluted Waters: The UK Nanojury as Upstream Public Engagement', in (Newcastle: Policy, Ethics and Life Sciences Research Centre (PEALS)).
- Smalley, R.E. (2001) 'Of Chemistry, Love and Nanobots', in, *Scientific American: Scientific American Inc.*: 76-78.
- Smith, R.H.I. (1998) *A Policy Framework for Developing a National Nanotechnology Programme. Science and Technology Studies* (Blacksburg, Virginia: Virginia Polytechnic Institute and State University).
- Smithson, M. (1985) 'Toward a Social Theory of Ignorance', *Journal of the Theory of Social Behaviour* 15:151-71.
- Smithson, M. (1989) *Ignorance and Uncertainty: Emerging Paradigms* (New York: Springer).
- Smithson, M. (1993) 'Ignorance and Science: Dilemmas, Perspectives, and Prospects', *Knowledge Creation, Diffusion, Utilization* 15:133-56.
- Stehr, N. (2002) *Wissenschaftspolitik. Die Überwachung des Wissens* (Frankfurt am Main: Suhrkamp).
- Stichweh, R. (1988) 'Differenzierung des Wissenschaftssystems', in R. Stichweh, et al. (eds), *Differenzierung und Verselbständigung. Zur Entwicklung gesellschaftlicher Teilsysteme* (Frankfurt am Main: Campus).
- Stilgoe, J. (2007) *Nanodialogues: Experiments in Public Engagement with Science* (London: Demos).
- Stilgoe, J., S.J. Lock & J. Wilsdon (2014) 'Why Should we Promote Public Engagement with Science?', *Public Understanding of Science* 23(1):4-15.
- Stilgoe, J., R. Owen & P. Mac Naghten (2013) 'Developing a Framework for Responsible Innovation', *Research Policy* recherchieren.
- Stirling, A. (2008) "Opening Up' and 'Closing Down': Power, Participation, and Pluralism in the Social Appraisal of Technology', *Science, Technology & Human Values* 33(262-294).
- Stocking, S.H. & L. Holstein (1993) 'Constructing and Reconstructing Scientific Ignorance: Ignorance Claims in Science and Journalism', *Knowledge: Creation, Ignorance, Diffusion, Utilization* 15:186-210.

6 Literatur

- Sturgis, P. (2014) 'On the Limits of Public Engagement for the Governance of Emerging Technologies', *Public Understanding of Science* 23(1):38-42.
- Swiss Re (2004) *Nanotechnology. Small Matter, Many Unknowns* (Zurich: Swiss Reinsurance Company (Swiss Re)).
- Swiss Re (2006) *Conference Report: The Risk Governance of Nanotechnology: Recommendations for Managing a Global Issue. 6–7 July 2006* (Rueschlikon: Swiss Re Centre for Global Dialogue).
- Tajani, A. (2013) 'Substance Identification of Nanomaterials not Key to Ensuring their Safe Use', *Nature Nanotechnology* 8(7. Mai 2013):306-07.
- Taylor, J. (2002) *New Dimensions for Manufacturing: A UK Strategy for Nanotechnology* (London: Department of Trade and Industry, Office of Science and Technology).
- Tickner, J.A. (2003) 'Introduction', in J.A. Tickner (ed), *Precaution, Environmental Science and Preventive Public Policy* (Washington: Island Press): xii-xix.
- Torgersen, H. (2005) 'Wozu Umfragen? Über die Rolle der Eurobarometer-Umfragen in der Kontroverse über die Nutzung der Gentechnik', *TATuP* 14(3):20-29.
- Trachtman, L.E. (1981) 'The Public Understanding of Science Effort: A Critique', *Science, Technology and Human Values* 6(36):10-15.
- Turney, J. (1996) 'Public Understanding of Sciences', *Lancet* 347:1087-90.
- UBA (2006) *Nanotechnik: Chancen und Risiken für Mensch und Umwelt: Hintergrundpapier* (Berlin: Umweltbundesamt).
- UBA (2009) *Nanotechnik für Mensch und Umwelt – Chancen fördern und Risiken mindern* (Dessau-Roßlau: Umweltbundesamt).
- UBA, et al. (2013) *Nanotechnologie – Gesundheits- und Umweltrisiken von Nanomaterialien: Erste Bilanz zur gemeinsamen Forschungsstrategie der Ressortforschungseinrichtungen des Bundes (2007-2011)* (Berlin: Umweltbundesamt, Bundesinstitut für Risikobewertung, Bundesanstalt für Arbeitsschutz und Arbeitsmedizin, Bundesanstalt für Materialforschung und -prüfung und Physikalisch-Technische Bundesanstalt).
- VCI (2006) *Empfehlungen zum sicheren Umgang mit Nanopartikeln und nanoskaligen Stoffen bei der Erfüllung der bestehenden gesetzlichen Vorschriften* (Frankfurt am Main: Verband der Chemischen Industrie).
- VDL (2010) *VdL-Leitfaden für den Umgang mit Nanoobjekten am Arbeitsplatz* (Frankfurt am Main: Verband der deutschen Lack- und Druckfarbenindustrie e.V.).
- Vogel, D. (1986) *National Styles of Regulation: Environmental Policy in Great Britain and the United States* (Ithaca: Cornell University Press).
- Vogel, D. (2003) 'The Hare and the Tortoise Revisited: The New Politics of Consumer and Environmental Regulation in Europe', *British Journal of Political Science* 33:557-80.
- vzvb (2009) *Nanotechnologien – neue Herausforderungen für den Verbraucherschutz – Positionspapier der Verbraucherzentralen und des Verbraucherzentrale Bundesverbandes* (Berlin: Verbraucherzentrale Bundesverband e.V. (vzvb)).

- Wehling, P. (2001) 'Jenseits des Wissens? Wissenschaftliches Nichtwissen aus soziologischer Perspektive', *Zeitschrift für Soziologie* 30(6):465-84.
- Wehling, P. (2003) 'Die Schattenseite der Verwissenschaftlichung: Wissenschaftliches Nichtwissen in der Wissensgesellschaft', in S. Böschen & I. Schulz-Schaeffer (eds), *Wissenschaft in der Wissensgesellschaft* (Wiesbaden: VS Verlag für Sozialwissenschaften): 119-42.
- Wehling, P. (2004) 'Weshalb weiss die Wissenschaft nicht, was sie nicht weiss? — Umrisse einer Soziologie des wissenschaftlichen Nichtwissens', in S. Böschen & P. Wehling (eds), *Wissenschaft zwischen Folgenverantwortung und Nichtwissen: Aktuelle Perspektiven der Wissenschaftsforschung* (Wiesbaden: VS Verlag für Sozialwissenschaften): 35-105.
- Wehling, P. (2006) *Im Schatten des Wissens? Perspektiven der Soziologie des Nichtwissens* (Konstanz: UVK).
- Weingart, P. (1983) 'Verwissenschaftlichung der Gesellschaft — Politisierung der Wissenschaft', *Zeitschrift für Soziologie* 12:225-41.
- Weingart, P. (2001) *Die Stunde der Wahrheit? Vom Verhältnis der Wissenschaft zu Politik, Wirtschaft und Medien in der Wissensgesellschaft* (Weilerswist: Velbrück Wissenschaft).
- Weingart, P. (2003) *Wissenschaftssoziologie* (Bielefeld: transcript).
- Weingart, P. (2006) "Demokratisierung" der wissenschaftlichen Politikberatung - Eine Antwort auf die Legitimationsdilemmata im Verhältnis von Wissenschaft und Politik?", in Heidelberger Akademie der Wissenschaften (ed), *Politikberatung in Deutschland* (Wiesbaden: Verlag für Sozialwissenschaften): 73-84.
- Whitley, R. (1985) 'Knowledge Producers and Knowledge Acquirers: Popularisation as a Relation Between Scientific Fields and their Publics', in T. Shinn & R. Whitley (eds), *Expository Science: Form and Functions of Popularisation* (Dordrecht & Boston, MA: Reidel): 3-28.
- Wiedemann, P.M., S. Femers & L. Hennen (1991) *Bürgerbeteiligung bei entsorgungswirtschaftlichen Vorhaben* (Berlin, Erich Schmidt).
- Wienroth, M. & M.B. Kearnes (2010) 'Science Policy as Discourse: The Governance of Nanotechnology in the United Kingdom', in U. Fiedeler & e. al. (eds), *Understanding Nanotechnology* (Heidelberg: AKA).
- Wilsdon, J. (2005) *Small Talk: New Ways of Democratising Science and Technology* (London: Open Democracy).
- Wilsdon, J. & R. Willis (2004) *See-Through Science: Why Public Engagement Needs to Move Upstream* (London: DEMOS).
- Wolfson, J.R. (2003) 'Social and Ethical Issues in Nanotechnology: Lessons from Biotechnology and Other High Technologies', *Biotechnology Law Report* 22(4):376-96.
- Wood, S.J., R.A.L. Jones & A. Geldart (2003) *The Social and Economic Challenges of Nanotechnology* (London: Economic and Social Research Council).
- Wright, S. (1994) *Molecular Politics* (Chicago: University of Chicago Press).
- Wullweber, J. (2009) 'Der Nanotechnologie-Diskurs: Eine hegemonie- und diskurstheoretische politisch-ökonomische Analyse', in, *Fachbereich Gesellschaftswissenschaften* (Kassel: Universität Kassel): 375.

6 Literatur

- Wynne, B. (1987) *Risk Management and Hazardous Waste: Implementation and the Dialectics of Credibility* (Berlin: Springer).
- Wynne, B. (1991a) 'Knowledges in Context', *Science, Technology and Human Values* 16(1):111-21.
- Wynne, B. (1991b) 'Knowledges in context', *Science, Technology and Human Values* (16):111-21.
- Wynne, B. (1995) 'Public Understanding of Science', in S. Jasianoff, et al. (eds), *Handbook of Science and Technology Studies* (Thousand Oaks: Sage): 361-88.
- Wynne, B. (1996) 'May the Sheep Safely Graze? A Reflexive View of the Expert-Lay Knowledge Divide', in S. Lash, et al. (eds), *Risk, Environment and Modernity: Towards a New Ecology* (London: Sage).
- Wynne, B. (2001) 'Creating Public Alienation: Expert Cultures of Risk and Ethics on GMO's', *Science as Culture* 10(4):445-81.
- Wynne, B. (2004) 'Learning the Real Lessons from GM', *The Edge* 16(June 2004).
- Wynne, B. (2014) 'Further Disorientation in the Hall of Mirrors', *Public Understanding of Science* 23(1):60-70.
- Yaziji, M. (2006) *Getting a Competitive Advantage by Sleeping with the Enemy: Corporation & NGO Partnerships* (Lausanne: IMD).
- Ziman, J. (1992) 'Not Knowing, Needing to Know, and Wanting to Know', in B.V. Lewenstein (ed), *When Science Meets the Public* (Washington D.C.: American Association for the Advancement of Science).
- Zimmer, R., R. Hertel & G.-F. BöI (eds) (2008) *BfR-Verbraucherkonferenz Nanotechnologie: Modellprojekt zur Erfassung der Risikowahrnehmung bei Verbrauchern* (Berlin: Bundesinstitut für Risikobewertung (BfR)).
- Zimmer, R., R. Hertel & G.-F. BöI (eds) (2009) *BfR-Delphi-Studie zur Nanotechnologie: Expertenbefragung zum Einsatz von Nanomaterialien in Lebensmitteln und Verbraucherprodukten* (Berlin: Bundesinstitut für Risikobewertung (BfR)).