

Literatur

- Abbate, Janet*: The Electric Century Getting Small: A Short History of the Personal Computer, Proceedings of the IEEE 1999, S. 1695-1698.
- Abdulkader, Sarah N./Atia, Ayman/Mostafa, Mostafa-Sami M.*: Brain computer interfacing: Applications and challenges, Egyptian Informatics Journal 2015, S. 213-230.
- Acciarini, Chiara/Cappa, Francesco/Boccardelli, Paolo/Oriani, Raffaele*: How can organizations leverage big data to innovate their business models? A systematic literature review, Technovation 2023, S. 1-18.
- Adamowsky, Natascha*: Vom Internet zum Internet der Dinge, in: Florian Sprenger/Christoph Engemann (Hrsg.), Internet der Dinge, Bielefeld 2015, S. 119-135.
- Agarwal, Anisha/Dowsley, Rafael/McKinney, Nicholas D./Wu, Dongrui/Lin, Chin-Teng/De Cock, Martine/Nascimento, Anderson C. A.*: Protecting Privacy of Users in Brain-Computer Interface Applications, IEEE Transactions on Neural Systems and Rehabilitation Engineering 2019, S. 1546-1555.
- Aggrawal, Swati/Chugh, Nupur*: Signal processing techniques for motor imagery brain computer interface: A review, Array 2019, S. 1-12.
- Agrò, Maurizio*: Music and Astronomy, Cham 2023.
- Aharoni, Eyal/Vincent, Gina M./Harenski, Carla L./Calhoun, Vince D./Sinnott-Armstrong, Walter/Gazzaniga, Michael S./Kiehl, Kent A.*: Neuroprediction of future rearrest, PNAS 2012, S. 6223-6228.
- Akindote, Odunayo Josephine/Adegbite, Abimbola Oluwatoyin/Dawodu, Samuel Onimisi/Omosho, Adedolapo/Anyanwu, Anthony/Maduka, Chinedu Paschal*: Comparative review of big data analytics and GIS in healthcare decision-making, World Journal of Advanced Research and Reviews 2023, S. 1293-1302.
- Albers, Marion/Veit, Raoul-Darius, 2020*, in: Wolff, Heinrich Amadeus/ Brink, Stefan (Hrsg.), Stefan: BeckOK Datenschutzrecht, 36. Aufl.
- Albrecht, Jan Philipp/Jotzo, Florian*: Das neue Datenschutzrecht der EU, 1. Aufl., Baden-Baden 2017.
- Alhazmi, Abdulrahman/Arachchilage, Nalin Asanka Gamagedara*: I'm all ears! Listening to software developers on putting GDPR principles into software development practice, Personal and Ubiquitous Computing 2021, S. 879-892.
- Al-Naffjan, Abeer/Aldayel, Mashaal*: Predict Students' Attention in Online Learning Using EEG Data, Sustainability 2022, S. 1-12.
- Al-Taair, Suaad Hadi Hassan/Kanber, Huda Abbas/al-Dulaimi, Waleed Abood Mohammed*: The Importance of Using the Internet of Things in Education, International Journal of Emerging Technologies in Learning 2023, S. 19-39.
- Anderson, Bonnie/Vance, Anthony/Kriwan, Brock/Eargle, David/Howard, Seth*: Users Aren't (Necessarily) Lazy: Using NeuroIS to Explain Habituation to Security Warnings, ICIS 2014 Proceedings 2014, S. 1-15.

Literatur

- Andow, Benjamin/Mahmud, Samir Yaseer/Wang, Wenyu/Whitaker, Justin/Enck, William/Reaves, Bradley/Singh, Kapil/Xie, Tao*: PolicyLint: Investigating Internal Privacy Policy Contradictions on Google Play, Proceedings of the 28th USENIX Security Symposium 2019, S. 585-602.
- Anke, Jürgen/Fischer, Uwe/Lemke, René*: Integration digitaler Sprachassistenten in den Kundenservice am Beispiel der Stadtwerke Leipzig, in: Michael Räckers/Sebastian Halsbenning/Detlef Rätz/David Richter/Erich Schweighofer (Hrsg.), Digitalisierung von Staat und Verwaltung, Bonn 2019, S. 25-36.
- Aristoteles*: Die Kategorien, Stuttgart 2009.
- Aristoteles*: Die Nikomachische Ethik, Hamburg 1985. (Verlag: Felix Meiner)
- Arning, Marian Alexander/Rothkegele, Tobias*, 2019, in: *Taeger, Jürgen/Gabel, Detlev* (Hrsg.): DSGVO – BDSG, 3. Aufl.
- Art.-29-Gruppe*: Leitlinien Datenschutz-Folgenabschätzung (DSFA) (WP 248), Brüssel 2017.
- Art.-29-Gruppe*: Leitlinien zu automatisierten Entscheidungen im Einzelfall einschließlich Profiling für die Zwecke der Verordnung 2016/679 (WP 251 1 rev. 01), Brüssel 2017.
- Art.-29-Gruppe*: Opinion 03/2013 on purpose limitation (WP 203), Brüssel 2013.
- Art.-29-Gruppe*: Stellungnahme 02/2012 zur Gesichtserkennung bei Online- und Mobilfunkdiensten (WP 192), Brüssel 2012.
- Art.-29-Gruppe*: Stellungnahme 4/2007 zum Begriff „personenbezogene Daten“ (WP 136), Brüssel 2007.
- Auda, Jonas/Heger, Roman/Kosch, Thomas/Gruenefeld, Uwe/Schneegaß, Stefan*: EasyEG: A 3D-printable Brain-Computer Interface, Adjunct Publication of the 33rd Annual ACM Symposium on UIST 2020, S. 70-72.
- Bäcker, Matthias*, 2020, in: *Kühling, Jürgen/Buchner, Benedikt* (Hrsg.): Datenschutz-Grundverordnung/BDSG, 3. Aufl.
- Baek, Hyun Jae/Chang, Min Hye/Heo, Jeong/Park, Kwang Suk*: Enhancing the Usability of Brain-Computer Interface Systems, Computational Intelligence and Neuroscience 2019, S. 1-12.
- Bajwa, Garima/Dantu, Ram*: Neurokey: Towards a new paradigm of cancelable biometrics-based key generation using electroencephalograms, Computers & Security 2016, S. 95-113.
- Ballsun-Stanton, Brian*: Asking About Data, Sydney 2012.
- Bansal, Dipali/Mahajan, Rashima*: EEG-Based Brain-Computer Interfaces: Cognitive Analysis and Control Applications, London 2019.
- Barth, Susanne/de Jong, Menno D.T.*: The Privacy Paradox – Investigating discrepancies between expressed privacy concerns and actual online behavior – A systematic literature review, Telematics and Informatics 2017, S. 1038-1058.
- Battle-Fisher, Michele*: Transhuman, posthuman and complex humanness in the 21st century, Ethics, Medicine and Public Health 2020, S. 1-8.
- Baumgartner, Ulrich*, 2018, in: *Ehmann, Eugen/ Selmayr, Martin* (Hrsg.): Datenschutz-Grundverordnung DS-GVO.

- Baumgartner, Ulrich/Gausling, Tina*: Datenschutz durch Technikgestaltung und datenschutzfreundlichen Voreinstellungen – Was Unternehmen jetzt nach der DS-GVO beachten müssen, ZD 2017, S. 308-313.
- Bechmann, Anja*: Non-Informed Consent Cultures: Privacy Policies and App Contracts on Facebook, Journal of Media Business Studies 2014, S. 21-38.
- Beck, Laura*: BIM im Facility Management, Wiesbaden 2023.
- Benjumea, Jaime/Ropero, Jorge/Rivera-Romero, Octavio/Dorronzoro-Zubiete, Enrique/Carrasco, Alejandro*: Assessment of the Fairness of Privacy Policies of Mobile Health Apps: Scale Development and Evaluation in Cancer Apps, JMIR Mhealth Uhealth 2020, S. 1-20.
- Bensch, Michael/Karim, Ahmed A./Mellinger, Jürgen/Hinterberger, Thilo/Tangermann, Michael/Bogdan, Martin/Rosenstiel, Wolfgang/Birbaumer, Niels*: Nessi: An EEG-Controlled Web Browser for Severely Paralyzed Patients, Computational Intelligence and Neuroscience 2007, S. 1-5.
- Berger, Hans*: Über das Elektroencephalogramm des Menschen. Archiv für Psychiatrie und Nervenkrankheiten 1929, S. 527-570.
- Bergram, Kristoffer/Bezencon, Valery/Maingot, Paul/Gjerlufsen, Tony/Holzer, Adrian*: Digital Nudges for Privacy Awareness: From consent to informed consent?, ECIS 2020 Research Papers 2020, S. 1-16.
- Bernal, Sergio Lopez/Celedrán, Alberto Huertas/Pérez, Gregorio Martínez/Barros, Michael Taynnan/Balalabramaniam, Sasitharan*: Security in Brain-Computer Interfaces: State-Of-The-Art, Opportunities, and Future Challenges, ACM Computing Surveys 2022, S. 1-31.
- Beyer, Reinhard/Gerlach, Rebekka*: Sprache und Denken, 2. Aufl., Wiesbaden 2018.
- Binnendijk, Anika/Marler, Timothy/Bartels, Elizabeth M.*: Brain-Computer Interfaces U.S. Military Applications and Implications, Kalifornien 2020.
- Birbaumer, N./Ghanayim, N./Hinterberger, T./Iversen, I./Kotchoubey, B./Kübler, A./Perelmouter, J./Taub, E./Flor, H.*: A spelling device for the paralysed, Nature 1999, S. 297-298.
- Bitkom*: Datenschutz in der digitalen Welt, Berlin 2015.
- Bitkom*: DS-GVO und Corona – Datenschutz Herausforderungen für die Wirtschaft, Berlin 2020.
- Bitkom*: Leitlinien für den Big-Data-Einsatz, Berlin 2015.
- Bockbrader, Marcia*: Upper limb sensorimotor restoration through brain-computer interface technology in tetraparesis, Current Opinion in Biomedical Engineering 2019, S. 85-101.
- Boehme-Neßler, Volker*: Das Ende der Anonymität, Datenschutz und Datensicherheit 2016, S. 419-423.
- Boehme-Neßler, Volker*: Gläserne Prostituierte?, DuD 2019, S. 342-346.
- Boehme-Neßler, Volker*: Pictorial Law, Heidelberg 2011.
- Boehme-Neßler, Volker*: Privacy: a matter of democracy. Why democracy needs privacy and data protection, International Data Privacy Law 2016, S. 222-229.

- Bogard, William*: Welcom to the Society of Control: The Simulation of Surveillance Revisited, in: Kevin D Haggerty/Richard V. Ericson (Hrsg), *The New Politics of Surveillance and Visibility*, Toronto 2006, S. 55-78.
- Bonaci, Tamara/Calo, Ryan/Chizeck, Howard Jay*: App Stores for the Brain: Privacy and Security in Brain-Computer Interfaces, *IEEE Technology and Society Magazine* 2015, S. 32-39.
- Bonnet, Laurent/Lotte, Fabien/Lécuyer, Anatole*: Two Brains, One Game: Design and Evaluation of a Multiuser BCI Video Game Based on Motor Imagery, *IEEE Transactions on Computational Intelligence and AI in Games* 2013, S. 185-198.
- Bousseta, R./El Ouakouak, I./Gharbi, M./Regragui, F.*: EEG Based Brain Computer Interface for Controlling a Robot Arm Movement Through Thought, *IRBM* 2018, S. 129-135.
- boyd, danah/Crawford, Kate*: Critical Questions for Big Data, *Information, Communication & Society* 2012, S. 662-679.
- Bravo-Lillo, Cristian/Komanduri, Saranga/Cranor, Lorrie Faith/Reeder, Robert W./ Sleeper, Manya/Downs, Julie/Schechter, Stuart*: Your attention please: designing security-decision UIs to make genuine risks harder to ignor, *Proceedings of the Ninth Symposium on Usable Privacy and Security* 2013, S. 1-12.
- Brennan, Emily/Maloney, Erin K./Ophir, Yotam/Cappella, Joseph*: Potential Effectiveness of Pictorial Warning Labels That Feature the Images and Personal Details of Real People *Nicotine & Tobacco Research* 2017, S. 1138-1148.
- Brink, Stefan/Eckhardt, Jens*: Wann ist ein Datum ein personenbezogenes Datum? Anwendungsbereich des Datenschutzrechts, *ZD* 2015, S. 205-212.
- Browning, John G./Tuma, Shawn*: If Your Heart Skips a Beat, it May Have Been Hacked: Cyber Security Concerns with Implanted Medical Devices, *South Carolina Law Review* 2016, S. 637-677.
- Brusseau, James*: Mapping AI avant-gardes in time: posthumanism, transhumanism, genhumanism, *Discover Artificial Intelligence* 2023, S. 1-11.
- Buchner, Benedikt/Petri, Thomas, 2020, in: Kühling, Jürgen/Buchner, Benedikt (Hrsg.): *Datenschutz-Grundverordnung/BDSG*, 3. Aufl.
- Buchner, Benedikt/Tinnfeld, Marie-Theres, 2020, in: Kühling, Jürgen/Buchner, Benedikt (Hrsg.): *Datenschutz-Grundverordnung/BDSG*, 3. Aufl.
- Cabañas, José González/Cuevas, Ángel/Arrate, Aritz/Cuevas, Rubén*: Does Facebook Use Sensitive Data for Advertising Purposes?, *Communications of the ACM* 2021, S. 62-69.
- Cao, Lei/Li, Jie/Li, Hongfei/Jiang, Changjun*: A hybrid brain computer interface system based on neurophysiological protocol and brain-actuated switch for wheelchair control, *Journal of Neuroscience Methods* 2014, S. 33-43.
- Caton, Richard*: The electrical currents of the brain, *British Medical Journal* 1875, S. 278.
- Chen, Min/Mao, Shiwen/Liu, Yunhao*: Big Data: A Survey, *Mobile Networks and Applications* 2014, S. 171-209.
- Chester, Jeff/Montgomery, Kathryn C.*: The role of digital marketing in political campaigns, *Internet Policy Review* 2017, S. 1-20.

- Chester, Jeff/Montgomery, Kathryn C.*: The role of digital marketing in political campaigns, *Internet Policy Review* 2017, S. 1-20.
- Chi, Nguyen Thi Khanh/Vu, Nam Hoang*: Investigating the customer trust in artificial intelligence: The role of anthropomorphism, empathy response, and interaction, *CAAI Transactions on Intelligence Technology* 2023, S. 260-273.
- Chittaranjan, Gokul/Blom, Jan/Gatica-Perez, Daniel*: Who's Who with Big-Five: Analyzing and Classifying Personality Traits with Smartphones, *IEEE* 2011, S. 29-36
- Christl, Wolfie*: *Kommerzielle digitale Überwachung im Alltag*, Wien 2014.
- Christl, Wolfie*: Microtargeting: Persönliche Daten als politische Währung, *Aus Politik und Zeitgeschichte* 2019, S. 42-48.
- Cinel, Caterina/Valeriani, Davide/Poli, Riccardo*: Neurotechnologies for Human Cognitive Augmentation: Current State of the Art and Future Prospects, *Frontiers in Human Neuroscience* 2019, S. 8-24.
- Clément, Claude*: *Brain-Computer Interface Technologies*, Cham 2019.
- Culik, Nicolai/Döpke, Christian*: Zweckbindungsgrundsatz gegen unkontrollierten Einsatz von Big Data-Anwendungen, *ZD* 2017, S. 226-230.
- Danezis, George/Domingo-Ferrer, Josep/Hansen, Marit/Hoepman, Jaap-Henk/Le Métayer, Rodica Tirtea/Schiffner, Stefan*: *Privacy and Data Protection by Design – from policy to engineer-ring*, Athen 2014.
- Das, Gitanjali/Cheung, Cynthia/Nebeker, Camille/Bietz, Matthew/Bloss, Cinnamon*: Privacy Policies for Apps Targeted Toward Youth: Descriptive Analysis of Readability, *JMIR Mhealth Uhealth* 2018, S. 1-12.
- Datenschutzkonferenz*: Orientierungshilfe der Aufsichtsbehörden für Anbieter von Telemedien, 2019.
- Deloitte*: *Smart Home Consumer Survey 2018*, München, 2018.
- Denning, Tamara/Matsuoka, Yoky/Kohno, Tadayoshi*: Neurosecurity: security and privacy for neural devices, *Journal of Neurosurgery* 2009, S. 1-4.
- Dessauer, Friedrich*: *Philosophie der Technik*, Bonn 1927.
- Ditai, J./Kanyago, J./Nambozo, M. R./Odeke, N.M./Abeso, J./Dusabe-Richards, J./Olupot-Olupot, P./Carrol, E. D./Medina-Lara, A./Gladstone, M./Storr, J./Faragher, B./Weeks, A. D.*: Optimising informed consent for participants in a randomised controlled trial in rural Uganda: a comparative prospective cohort mixed-methods study, *Trials* 2018, S. 1-11.
- Dix, Alexander*, 2019, in: *Smitis, Spiros/Hornung, Gerrit/Spiecker gen. Döhmman, Indra* (Hrsg.): *Datenschutzrecht DSGVO mit BDSG*, 1. Aufl.
- Dong, Yuanrui/Wang, Shirong/Huang, Qiang/Berg, Rune W./Li, Guanghui/He, Jiping*: Neural Decoding for Intercortical Brain-Computer Interfaces, *Cyborg and Bionic Systems* 2023, S. 1-12.
- Drew, Liam*: Decoding the business of brain-computer interfaces, *Nature Electronics* 2023, S. 90-95.
- Droste, Wiebke/Hoffmann, Klaus-Peter/Olze, Heidi/Kneist, Werner/Krüger, Thilo/Rupp, Rüdiger/Ruta, Marc*: Interactive Implants: Ethical, legal and social implications, *Current Directions in Biomedical Engineering* 2018, S. 1-16.

- EDPB: Guidelines 4/2019 on Article 25 Data Protection by Design and by Default, Brüssel 2020 (Version 2.0).
- Emanuel, Ezekiel J./Boyle, Connor W.: Assessment of Length and Readability of Informed Consent Documents for COVID-19 Vaccine Trials, *JAMA Network Open* 2021, S. 1-5.
- Engels, Barbara/Grunewald, Mara: Das Privacy Paradoxon: Digitalisierung versus Privatsphäre, *IW-Kurzberichte* 2017, S. 1-3.
- Engels, Barbara: Datenschutzpräferenzen von Jugendlichen in Deutschland, *IW-Trends* 2018, S. 3-26.
- Erden, Yasemin J./Brey, Philip: Neurotechnology and ethics guidelines for human enhancement: The case of the hippocampal cognitive prosthesis, *Artificial Organs* 2023, S. 1235-1241.
- Ernst, Stefan, 2021, in: Paal, Boris P./Pauly, Daniel A. (Hrsg.): *Datenschutz-Grundverordnung Bundesdatenschutzgesetz*, 3. Aufl.
- Europäische Kommission: Special Eurobarometer 487a: The General Data Protection Regulation, Brüssel 2019.
- Faaïque, Muhammad: Overview of Big Data Analytics in Modern Astronomy, *International Journal of Mathematics, Statistics, and Computer Science* 2024, S. 96-113.
- Farahany, Nita A.: Incriminating Thoughts, *Stanford Law Review* 2011, S. 11-17.
- Ferracuti, Francesco/Iarlori, Sabrina/Mansour, Zahra/Monteriù, Andrea/Porcaro, Camillo: Comparing between Different Sets of Preprocessing, Classifiers, and Channels Selection Techniques to Optimise Motor Imagery Pattern Classification System from EEG Pattern Recognition, *Brain Sciences* 2022, S. 1-16.
- Fichte, Johann Gottlieb: *Grundlagen des Naturrechts und Principien der Wissenschaftslehre* Jena/Leipzig 1796.
- Filippi, Massimo/Riccitelli, Gianna/Falini, Andrea/Di Salle, Francesco/Vuilleumier, Patrik/Comi, Giancarlo/Rocca, Maria A.: The Brain Functional Networks Associated to Human and Animal Suffering Differ among Omnivores, Vegetarians and Vegans, *PLoS One* 2010, S. 1-9.
- Forbrukerrådet*: *Deceived by Design*, Oslo 2018.
- Franck, Lorenz, 2018, in: Gola, Peter (Hrsg.): *Datenschutz-Grundverordnung*, 2. Aufl.
- Franzen, Martin, 2018, in: *Franzen, Martin/Gallner, Inken/Oetker, Hartmut (Hrsg.): Kommentar zum europäischen Arbeitsrecht*, 2. Aufl.
- Frege, Gottlob: *Der Gedanke. Eine logische Untersuchung, Beiträge zur Philosophie des deutschen Idealismus 1918-1919*, S. 58-77.
- Frenzel, Eike Michael, 2021, in: Paal, Boris P./Pauly, Daniel A. (Hrsg.): *Datenschutz-Grundverordnung Bundesdatenschutzgesetz*, 3. Aufl.
- Gandy, Oscar: Data Mining, Surveillance, and Discrimination in the Post-9/11 Environment, in: Kevin D. Haggerty/Richard V. Ericson (Hrsg.), *The New Politics of Surveillance and Visibility*, Toronto 2006, S. 363-384.
- Gasson, Mark N./Koops, Bert-Jaap: *Attacking Human Implants: A New Generation of Cybercrime*, Law, Innovation and Technology 2013, S. 248-277.
- Glaser, Barney G.: All is Data, *The Grounded Theory Review* 2007, S. 1-22.

- Gluck, Joshua/Schaub, Florian/Friedman, Amy/Habib, Hana/Sadeh, Norman/Cranor, Lorrie Faith/Agarwal, Yuvraj: How Short Is Too Short? Implications of Length and Framing on the Effectiveness of Privacy Notices, Proceedings of the Twelfth Symposium on Usable Privacy and Security 2016, S. 321-340.
- Gola, Peter, 2018, in: Gola, Peter (Hrsg.): Datenschutz-Grundverordnung, 2. Aufl.
- Gola, Peter/Schomerus, Rudolf, 2012, in: Gola, Peter/Schomerus, Rudolf (Hrsg.)/
Schomerus, Rudolf (Hrsg.): BDSG Bundesdatenschutzgesetz, 11. Aufl.
- Gräßler, Florian: War die DDR totalitär?, Baden-Baden 2014.
- Greenberg, Anastasia: Inside the Mind's Eye: An International Perspective on Data Privacy Law in the Age of Brain-Machine Interfaces, Journal of Science and Technology 2019, S. 79-122.
- Greve, Holger, 2020, in: Eßer, Martin/Kramer, Philipp/von Lewinski, Kai (Hrsg.): DSGVO BDSG, 7. Aufl.
- Groves, Katie/Kennett, Steffan/Gillmeister, Helge: Evidence for ERP biomarkers of eating disorder symptoms in women, Biology Psychology 2017, S. 205 - 219.
- Grübler, Gerd/Hildt, Elisabeth/Various Authors: The User's Perspective, in: Gerd Grübler/Elisabeth Hildt (Hrsg.), Brain-Computer Interfaces in their ethical, social and cultural contexts, Dordrecht 2014, S. 115-126.
- Guger, Christoph/Allison, Brendan Z./Edlinger, Günther: Emerging BCI Opportunities from a Market Perspective, in: Gerd Grübler/Elisabeth Hildt (Hrsg.), Brain-Computer Interfaces in their ethical, social and cultural contexts, Dordrecht 2014, S. 85-98.
- Guger, Christoph/Allison, Brendan Z./Mrachacz-Kersting, Natalie: Brain-Computer Interface Research: A State-of-the-Art Summary 7, in: Christoph Guger/Brendan Z. Allison/Natalie Mrachacz-Kersting (Hrsg.), Brain-Computer Interface Research, Cham 2019, S. 1-10.
- Guger, Christoph/Ince, Nuri Firat/Korostenskaja, Milena/Alloson, Brendan Z.: Brain-Computer Interface Research: A State-of-the-Art Summary 11, in: Christoph Guger, Bendan Allison, Tomasz M. Rutkowski, Milena Korostenskaja (Hrsg.), Brain-Computer Interface Research, Cham 2024, S. 1-11.
- Hallinan, Dara/Schütz, Philip/Friedewald, Michael/de Hert, Paul: Neurodata and Neuprivacy: Data Protection Outdated?, Surveillance & Society 2014, S. 55-72.
- Hallinan, Dara/Schütz, Philip/Friedewald, Michael/de Hert, Paul: Neurodata and Neuprivacy: Data Protection Outdated?, Surveillance & Society 2014, S. 55-72.
- Hammlton, Lisa Dawn/Meston, Cindy M.: Differences in Neural Response to Romantic Stimuli in Monogamous and Non-Monogamous Men, Archive of Sexual Behavior 2017, S. 2289-2299.
- Hansen, Marit, 2019, in: Smitis, Spiros/Hornung, Gerrit/Spiecker gen. Döhmann, Indra (Hrsg.): Datenschutzrecht DSGVO mit BDSG, 1. Aufl.
- Hansen, Marit, 2020, in: Wolff, Heinrich Amadeus/ Brink, Stefan (Hrsg.), Stefan: BeckOK Datenschutzrecht, 36. Aufl.
- Hartung, Jürgen, 2020, in: Kühling, Jürgen/Buchner, Benedikt (Hrsg.): Datenschutz-Grundverordnung/BDSG, 3. Aufl.

- Hassija, Vikas/Chamola, Vinay/Bajpai, Balindam Chandra/Zeadall, Naren/Zeadally, Sherali: Security Issues in Implantable Medical Devices: Fact or Fiction, Sustainable Cities and Society 2020, S. 1-12.
- Haynes, John-Dylan/Sakai, Katsuyuki/Rees, Geraint/Gilbert, Sam/Frith, Chris/Passingham, Richard E.: Reading Hidden Intentions in the Human Brain, Current Biology 2007, S. 323-328.
- Heberlein, Horst, 2018, in: Ehmann, Eugen/ Selmayr, Martin (Hrsg.): Datenschutz-Grundverordnung DS-GVO.
- Hellmann, Roland: IT-Sicherheit, Berlin 2018.
- Herbst, Tobias, 2020, in: Kühling, Jürgen/Buchner, Benedikt (Hrsg.): Datenschutz-Grundverordnung/BDSG, 3. Aufl.
- Herweg, Andreas/Gutzeit, Julian/Kleih, Sonja/Kübler Andrea: Wheelchair control by elderly participants in a virtual environment with a brain-computer interface (BCI) and tactile stimulation, Biological Psychology 2016, S. 117-124.
- Hladjk, Jörg, 2018, in: Ehmann, Eugen/ Selmayr, Martin (Hrsg.): Datenschutz-Grundverordnung DS-GVO.
- Hobbes, Thomas: Leviathan, Hamburg 1996.
- Hochberg, Leigh R./Anderson, Kim D.: BCI Users and their Needs, in: Jonathan R. Wolpaw/Elizabeth Winter Wolpaw (Hrsg.), Brain-Computer Interfaces, Oxford 2012, S. 317-323.
- Hofmann, Kai/Hornung, Gerrit: Rechtliche Herausforderungen des Internets der Dinge, in: Florian Sprenger/Christoph Engemann (Hrsg.), Internet der Dinge, Bielefeld 2015, S. 181-203.
- Hossain, Khondoker Murad/Islam, Md. Ariful/Hossain, Shahera/Nijholt, Anton/Ahad, Md Atiqur Rahman: Status of deep learning for EEG-based brain-computer interface applications, Frontiers in Computational Neuroscience 2023, S. 1-17.
- Hoy, Matthew B.: Alexa, Siri, Cortana, and More: An Introduction to Voice Assistants, Medical Reference Services Quarterly 37, S. 81-88.
- Huckvale, Kit/Torous, John/Larsen, Mark E.: Assessment of the Data Sharing and Privacy Practices of Smartphone Apps for Depression and Smoking Cessation, JAMA Network Open 2019, S. 1-10.
- Hume, David: Eine Untersuchung über den menschlichen Verstand, 6. Aufl., Leipzig 1097.
- Humphreys, Rebekah: Animals, Ethics, and Language, Cham 2023.
- Inca, Marcello/Andorno, Roberto: Towards new human rights in the age of neuroscience and neurotechnology, Life Sciences, Society and Policy 2017, S. 1-27.
- Inca, Marcello/Haselager, Pim: Hacking the brain: brain-computer interfacing technology and the ethics of neurosecurity, Ethics and Information Technology 2016, S. 117-129.
- Inca, Marcello/Malgieri, Gianclaudio: Mental data protection and the GDPR, Journal of Law and the Biosciences 2022, S. 1-19.
- International Telecommunication Union: Overview of the Internet of Things, Geneva 2013.

- International Telecommunication Union: Overview of the Internet of Things*, Geneva 2013.
- Islam, Nayeem/Want, Roy: Smartphones: Past, Present and Future*, PERVASIVE computing 2014, S. 89-92.
- Jade, Laura/Gentle, Sam: New Ways of Knowing Ourselves. BCI Facilitating Artistic Exploration of Our Biology, in: Anton Nijholt (Hrsg.), *Brain Art*, 2019, S. 229-262.
- Jana, Gopal Chandra/Swetapadma, Aleena/Pattnaik, Prasant Kumar: Enhancing the performance of motor imagery classification to design a robust brain computer interface using feed forward back-propagation neural network*, *Ain Shams Engineering Journal* 2018, S. 2871-2878.
- Jandt, Silke, 2020, in: Kühling, Jürgen/Buchner, Benedikt (Hrsg.): *Datenschutz-Grundverordnung/BDSG*, 3. Aufl.
- Jiang, Linxing/Stocco, Andrea/Lozey, Darby M./Abernethy, Justin A./Prat Cantel S./Rao, Rajesh P. N.: BrainNet: A Multi-Person Brain-to-Brain Interface for Direct Collaboration Between Brains*, *Scientific Reports* 2019, S. 1-11.
- Jöns, Johanna: Daten als Handelsware*, Hamburg 2016.
- Kamiya, Joe: Operant control of the EEG alpha rhythm and some of its reported effects*, in: Charles Tart (Hrsg.), *Altered States of Consciousness: A Book of Readings*, New York 1969, S. 489–501.
- Kamlah, Wulf, 2018, in: Plath, Kai-Uwe (Hrsg.): *DSGVO BDSG*, 3. Aufl.
- Kampert, David, 2018, in: Sydow (Hrsg.), Gernot: *Europäische Datenschutzgrundverordnung*, 2. Aufl.
- Kant, Immanuel: Die Metaphysik der Sitten*, 2. Aufl., Berlin 2013.
- Karg, Moritz, 2019, in: Smitis, Spiros/Hornung, Gerrit/Spiecker gen. Döhmman, Indra (Hrsg.): *Datenschutzrecht DSGVO mit BDSG*, 1. Aufl.
- Karikari, Evelyn/Koshechkin, Konstantin A.: Review on brain-computer interface technologies in healthcare*, *Biophysical Reviews* 2023, S. 1351-1358.
- Kasera, Shruti/Gehlot, Anita/Uniyal, Varibhav/Pandey, Shweta/Chhabra, Gunjan/Joshi, Kapil: Right to Digital Privacy: A Technological Intervention of Blockchain and Big Data Analytics*, 2023 International Conference on Innovative Data Communication Technologies and Application 2023, S. 1122-1127.
- Kawala-Sterniuk, Aleksandra/Browarska, Natalia/Al-Bakri, Amir/Pelc, Mariusz/Zygarlicki, Jaroslaw/Sidikova, Michaeleá/Matinec, Radek/Gorzalanczyk, Edward Jacek: Summary of over Fifty Years with Brain-Computer Interfaces – A Review*, *Brain Sciences* 2021, S. 1-41.
- Kim, Joohee/Im, Il: Anthropomorphic response: Understanding interactions between humans and artificial intelligence agents*, *Computers in Human Behavior* 2023, S. 1-19.
- Klabunde, Achim, 2018, in: Ehmann, Eugen/ Selmayr, Martin (Hrsg.): *Datenschutz-Grundverordnung DS-GVO*.
- Klar, Manuel/Kühling, Jürgen, 2020, in: Kühling, Jürgen/Buchner, Benedikt (Hrsg.): *Datenschutz-Grundverordnung/BDSG*, 3. Aufl.

- Klement, Jan Henrik, 2019, in: Smitis, Spiros/Hornung, Gerrit/Spiecker gen. Döhmann, Indra (Hrsg.): Datenschutzrecht DSGVO mit BDSG, 1. Aufl.
- Knierim, Michael Thomas/Bleichner, Martin Georg/Reali, Pierluigi: A Systematic Comparison of High-End and Low-Cost EEG Amplifiers for Concealed, Around-the-Ear EEG Recordings, *Sensors* 2023, S. 1-23.
- Knutson, Kristine M./Mah, Linda/Manly, Charlotte F./Grafman, Jordan: Neural Correlates of Automatic Beliefs About Gender and Race, *Human Brain Mapping* 2007, S. 915-930.
- Kohli, Varun/Tripathi, Utkarsh/Camola, Vinay/Rout, Bijay Kumar/Kanhere, Salil S.: A review on Virtual Reality and Augmented Reality use-cases of Brain Computer Interface based applications for smart cities, *Microprocessors and Microsystems* 2022, S. 1-13.
- Korovesis, Nikolaos/Kandris, Dionisis/Koulouras, Grigorios/Alexandridis, Alex: Robot Motion Control via an EEG-Based Brain-Computer Interface by Using Neural Networks and Alpha Brainwaves, *Electronics* 2019, S. 1-16.
- Kosinski, Michal/Stillwell, David/Graepelb, Thore: Private Traits and Attributes Are Predictable from Digital Records of Human Behavior, *PNAS* 2013, S. 5802-5805.
- Kosinski, Michal/Stillwell, David/Graepel, Thore: Private traits and attributes are predictable from digital records of human behavior, *PNAS* 2013, S. 5802-5805.
- Kosinski, Michal/Stillwell, David/Kohli, Pushmeet/Bachrach, Yoram/Graepel, Thore: Personality and Website Choice, *ACM Web Sciences* 2012, S. 1-4.
- Kosmyna, Nataliya/Lécuyer, Anatole: A conceptual space for EEG-based brain-computer interfaces, *PLoS One* 2019, S. 1-30.
- Kosmyna, Nataliya/Tarpin.Bernard, Franck/Bonnefond, Nicolas/Rivet, Bertrand: Feasibility of BCI Control in a Realistic Smart Home Environment, *Frontiers in Human Neuroscience* 2016, S. 1-10.
- Krishna, S. Rama/Rathor, Ketan/Ranga, Jarabala/Soni, Anita/D, Srinivas/Kumar N, Anil: Artificial Intelligence Integrated with Big Data Analytics for Enhanced Marketing, 2023 International Conference on Inventive Computation Technologies 2023, S. 1073-1077.
- Krohm, Niclas: Abschied vom Schriftformgebot der Einwilligung Lösungsvorschläge und künftige Anforderungen, *ZD* 2016, S. 368-373.
- Kronemann, Bianca/Kizgin, Hatice/Rana, Nripendra/Dwivedi, Yogesh K.: How AI encourages consumers to share their secrets? The role of anthropomorphism, personalisation, and privacy concerns and avenues for future research, *Spanish Journal of Marketing* 2023, S. 3-19.
- Krusienski, Dean J./McFarland, Dennis J./Principe, José C.: BCI Signal Processing: Feature Extraction, in: Jonathan R. Wolpaw/Elizabeth Winter Wolpaw (Hrsg.), *Brain-Computer Interfaces*, Oxford 2012, S. 123-145.
- Landau, Ofir/Cohen, Aviad/Gordon, Shirley/Nissim, Nir: Mind your privacy: Privacy leakage through BCI applications using machine learning methods, *Knowledge-Based Systems* 2020, S. 1-21.

- Landau, Ofir/Puzis, Rami/Nissim, Nir*: Mind Your Mind: EEG-Based Brain-Computer Interfaces and Their Security in Cyber Space, *ACM Computing Surveys* 2020, S. 1-38.
- Lang, Markus*, 2019, in: *Taeger, Jürgen/Gabel, Detlev (Hrsg.): DSGVO – BDSG, 4. Aufl.*
- Latini, Sara*: To the edge of data protection: How brain information can push the boundaries of sensitivity, *Tilburg* 2018.
- Laue, Philip*, 2019, in: *Spindler, Gerald/Schuster, Fabian: Recht der elektronischen Medien, 4. Aufl.*
- Lee, Hongmi/Kuhl, Brice A.*: Reconstructing Perceived and Retrieved Faces from Activity Patterns in Lateral Parietal Cortex, *The Journal of Neuroscience* 2016, S. 6069-6082.
- Li, Xin/Feng, Min/Ran, Youhua/Su, Yang/Liu, Feng/Huang, Chunlin/Shen, Huanfeng/Xiao, Qing/Su, Jianbin/Yuan, Shinwei/Guo, Huadong*: Big Data in Earth system science and progress towards a digital twin, *Nature Reviews Earth & Environment* 2023, S. 319-332.
- Liang, Fan/Das, Vishnupriya/Kostyuk, Nadiya/Hussain, Muzammil M.*: Constructiong a Data-Driven Society: China's Social Credit System as a State Surveillance Infrastructure, *Policy & Internet* 2018, S. 415-453.
- Lilley, Stephen*: *Transhumanism and Society*, New York 2013.
- Lim, Choon Guan/Soh, Chui Pin/Lim, Shernice Shi Yun/Fung, Daniel Shuen Sheng/Guan, Cuntai/Lee, Tih-Shih*: Home-based brain-computer interface attention training program for attention deficit hyperactivity disorder: a feasibility trial, *Child and Adolescent Psychiatry and Mental Health* 2023, S. 1-11.
- Lindegren, Daniel/Karegar, Farzaneh/Kane, Bridget/Pettersson, John Sören*: An evaluation of three designs to engage users when providing their consent on smartphones, *Behaviour & Information Technology* 2019, S. 398-414.
- Liu, Hong*: *Philosophical Reflections on Data*, *Procedia Computer Science* 2014, S. 60-65.
- Liyanage, S. R./Bhatt, Chintan*: Wearable electroencephalography technologies for brain-computer interfacing, in: *Nilanjan Dey/Amira S. Shour/Simon James Fong, Wearable and Implantable Medical Devices*, London 2020, S. 55-78.
- Loukides, Grigorios/Denny, Joshua C./Malin, Bradley*: The disclosure of diagnosis codes can breach research participants' privacy, *Journal of the American Medical Informatics Association* 2010, S. 322 (323 ff.).
- Loy, Carolin/Baumgartner, Ulrich*: Consent-Banner und Nudging, *ZD* 2021, S. 404-408.
- Machuletz, Dominique/Böhme, Rainer*: Multiple Purposes, Multiple Problems: A User Study of Consent Dialogs after GDPR, *Proceedings in Privacy Enhancing Technologies* 2020, S. 481-498.
- Magee, Patrick/Ienca, Marcello/Farahany, Nita*: *Beyond neural data: Cognitive biometrics and mental privacy*, *Neuron* 2024, S. 3017-3028.

- Mahmood, Musa/Mzurikwao, Deogratias/Kim, Yun-Soung/Lee, Yongkuk/Mishra, Saswat/Herbert, Robert/Duarte, Audrey/Ang, Chee Siang/Yeo, Woon-Hong: Fully portable and wireless universal brain-machine interfaces enabled by flexible scalp electronics and deep learning algorithm, *Nature Machine Intelligence* 2019, S. 412-422.
- Mailsele, Baraka/Abdall, Abdi T./Massawe, Liebe V./Mbise, Mercy/Mkocha, Khadija/Nassor, Nassor Ally/Ismail, Moses/Michael, James/Kimambo, Samwel: Brain-computer interface: trend, challenges, an threats, *Brain Informatics* 2023, S. 1-16.
- Mak, Joseph N./Wolpaw, Jonathan R.: Clinical Applications of Brain-Computer Interfaces: Current State and Future Prospects, *IEEE Reviews in Biomedical Engineering* 2009, S. 187-199.
- Malgieri, Gianclaudio/Comandé, Giovanni: Sensitive-by-distance: quasi-health data in the algorithmic era, *Information & Communications Technology Law* 2017, S. 229-249.
- Mantz, Reto, 2018, in: Sydow (Hrsg.), Gernot: Europäische Datenschutzgrundverordnung, 2. Aufl.
- Martini, Mario, 2021, in: Paal, Boris P./Pauly, Daniel A. (Hrsg.): Datenschutz-Grundverordnung Bundesdatenschutzgesetz, 3. Aufl.
- Martini, Mario/Drews, Christian/Seeliger, Paul/Weinzierl, Quirin: Dark Patterns, *ZfDR* 2021, S. 47-74.
- Martini, Mario/Kemper, Carolin: Cybersicherheit von Gehirn-Computer-Schnittstellen, *International Cybersecurity Law Review* 2022, S. 191-243.
- Martinovic, Ivan/Davies, Doug/Frank, Mario/Perito, Daniele/Ros, Tomas/Song, Dawn: On the Feasibility of Side-Channel Attacks with Brain-Computer Interfaces, *Proceedings of the 21st USENIX Security Symposium* 2012, S. 1-16.
- Mattia, Donatella/Molinari, Marco: Brain-Computer Interfaces and Therapy, in: Gerd Grübler/Elisabeth Hildt (Hrsg.), *Brain-Computer Interfaces in their ethical, social and cultural contexts*, Dordrecht 2014, S. 49-59.
- McCane, Lynn M./Heckmann, Susan M./McFarland, Dennis J./Townsend, George/Mak, Joseph N./Sellers, Eric W./Zeitlin, Debra/Tenteromano, Laura M./Wolpaw Jonathan R./Vaughan, Theresa M.: P300-based brain-computer interface (BCI) event-related potentials (ERPs): People with amyotrophic lateral sclerosis (ALS) vs. Age-matched controls, *Clinical Neurophysiology* 2015, S. 2124-2131.
- McCullagh, Karen: Data Sensitivity: Proposals of Resolving the Conundrum, *Journal of International Commercial Law and Technology* 2007, S. 190-201.
- McDonald, Aleecia M./Cranor, Lorrie Faith: The Cost of Reading Privacy Policies, *A Journal of Law and Policy of the Information Society* 2008, S. 543-568.
- McFarland, D. J./Wolpaw, J. R.: EEG-based brain-computer interfaces, *Current Opinion in Biomedical Engineering* 2017, S. 194-200.
- McFarland, Dennis J./Krusienski, Dean J.: BCI Signal Processing: Feature Translation, in: Jonathan R. Wolpaw/Elizabeth Winter Wolpaw (Hrsg.), *Brain-Computer Interfaces*, Oxford 2012, S. 147-163.
- Mehta, Ranjana K./Parasuraman, Raja: Neuroergonomics: a review of applications to physical and cognitive work, *Frontiers in Human Neuroscience* 2013, S. 1-10.

- Mester, Britta Alexandra, 2019, in: Taeger, Jürgen/Gabel, Detlev (Hrsg.): *DSGVO – BDSG*, 3. Aufl.
- Meyer, Hermann Joseph: *Die Technisierung der Welt*, Tübingen 1961.
- Millet, David: Hans Berger: From Psychic Energy to the EEG, *Perspectives in Biology and Medicine* 2001, S. 522-542.
- Miralles, Felip/Vargiu, Eloisa/Dauwalder, Stefan/Solà, Marc/Müller-Pütz, Ger- not/Wriesnegger, Selina C./Pinegger, Andreas/Kübler, Anderea/Halder, Sebastian/Käthner, Ivo/Martin, Suzanne/Daly, Jean/Armstrong, Elaine/Guger, Christoph/ Hintermüller, Christoph/Lowish, Hannah: Brain Computer Interface on Track to Homes, *The Scientific World Journal* 2015, S. 1-17.
- Moore Jackson, Melody/Mappus, Rudolph: Applications for Brain-Computer Interfaces, in: Desney Tan/Anton Nijholt (Hrsg.), *Brain Computer Interfaces Applying our Minds to Human-Computer Interaction*, London 2010, S. 89-104.
- Morales-Trujillo, Miguel Ehécatl/García-Mireles, Gabriel Alberto/Matla-Cruz, Erick Or- lando/Piattini, Mario: A Systematic Mapping Study of Privacy by Design in Software Engineering, *CLEI Electronic Journal* 2019, S. 1-29.
- Moses, David A./Leonard, Matthew K./Makin, Joseph G./Chang, Edward F.: Real-time decoding of question-and-answer speech dialogue using human cortical activity, *Nature Communications* 2019, S. 1-14.
- Mugdhal, Shiv Kumar/Sharma, Suresh K/Chaturvedi, Jitender/Sharma, Anil: Brain com- puter interface advancement in neurosciences: Applications and issues, *Interdisci- plinary Neurosurgery* 2020, S. 1-8.
- Mugler, Emily M./Ruf, Carolin A./Halder, Sebastian/Bensch, Michael/Kübler, Andrea: Design and Implementation of a P300-Based Brain-Computer Interface for Control- ling an Internet Browser, *IEEE Transactions on Neural Systems and Rehabilitation Engineering* 2010, S. 599-609.
- Musk, Elon/Neuralink: *An Integrated Brain-Machine Interface Platform with Thou- sands of Channels*, 2019.
- Müßfänger, Jana I./Halder, Sebastian/Kleih, Sonja C./Furdea, Adrian/Raco, Valerio/ Hösle, Adi/Kübler, Andrea: Brain Painting: first evaluation of a new brain-computer interface application with ALS-patients and healthy volunteers, *Frontiers in Neuro- science* 2010, S. 1-11.
- Nagel, Thomas: What Is It Like to Be a Bat?, *The Philosophical Review* 1974, S. 435-450.
- Nemrodov, Dan/Niemeier, Matthias/Patel, Ashutosh/Nestor, Adrian: The Neural Dy- namics of Facial Identity Processing: Insights from EEG-Based Pattern Analysis and Image Reconstruction, *eNeuro* 2018, S. 1-17.
- Nestor, Liam J./McCabe, Ella/Jones, Jennifer/Clancy, Luke/Garavan, Hugh: Smokers and ex-smokers have shared differences in the neural substrates for potential mone- tary gains and losses, *Addiction Biology* 2016, S. 369 (375 ff.).
- Neves, Flávio/Souza, Rafael/Sousa, Juliana/Bonfim, Michel/Garcia, Vinicius: Data pri- vacy in the Internet of Things based on anonymization: A review, *Journal of Com- puter Security* 2023, S. 261-291.
- Niedermann, Anne: IfD-Umfrage 8201, *Freiwillige und informierte Einwilligung? Die Nutzerperspektive*, Allensbacher Archiv 2019, S. 1-11.

- Nijboer, F./Sellers, E.W./Mellinger, J./Jordan, M. A./Matuz, T./Furdea, A./Halder, S./Mochty, U./Krusienski, D. J./Vaughan, T. M./Wolpaw, J. R./Birbaumer, N./Kübler, A.: A P300-based brain-computer interface for people with amyotrophic lateral sclerosis, *Clinical Neurophysiology* 2008, S. 1909-1916.
- Nink, Judith, 2019, in: Spindler, Gerald/Schuster, Fabian (Hrsg.): *Recht der elektronischen Medien*, 4. Aufl.
- Nishimoto, Shinji/Vu, An T./Naselaris, Thomas/Benjamini, Yuval/Yu, Bin/Gallant, Jack L.: Reconstructing Visual Experiences from Brain Activity Evoked by Natural Movies, *Current Biology* 2011, S. 1641-1646.
- Nolte, Norbert/Werkmeister, Christopher, 2018, in: Gola, Peter (Hrsg.): *Datenschutz-Grundverordnung*, 2. Aufl.
- Nomura, Tomomi/Mitsukura, Yasue: EEG-Based Detection of TV Commercials Effects, *Procedia Computer Science* 2015, S. 131-140.
- Nouwens, Midas/Liccardi, Ilaria/Veale, Michael/Karger, David/Kagal, Lalana: Dark patterns after the GDPR: Scraping Consent Pop-ups and Demonstrating their Influence, *Proceedings of the 2020 CHI Conference in Human Factors in Computing Systems* 2020, S. 1-13.
- Nyholm, Sven: Artificial Intelligence and Human Enhancement: Can AI Technologies Make Us More (Artificially) Intelligent?, *Cambridge Quarterly of Healthcare Ethics* 2023, S. 76-88.
- Obar, Jonathan A./Oeldorf-Hirsch, Anne: The Biggest Lie on the Internet: Ignoring the Privacy Policies and Terms of Service Policies of Social Networking Services, *Information, Communication & Society* 2016, S. 1-20.
- OECD, *Skills Matter: Additional Results from the Survey of Adult Skills*, Paris 2019.
- Oettel, Maurice: Einwilligung per Gedanke, *PinG* 2022, S. 136-138.
- Oettel, Maurice: Smart Human und der Schutz der Gedanken, *DuD* 2020, S. 386-389.
- Oettel, Maurice: Wesensdaten: Regulierungslücke im derzeitigen Datenschutzrecht, *DuD* 2021, S. 632-626.
- Ollhorst, Frank: *Big Data Analytics*, Hoboken 2013.
- Olson, Karin: What Are Data? *Qualitative Health Research* 2021, S. 1567-1569.
- Opaschowski, Horst W.: Die Wünsche der Verbraucher, in: Helmut Bäumler/Albert von Mutius, *Datenschutz als Wettbewerbsvorteil*, 1. Aufl., Braunschweig 2002, S. 13-19.
- Orban, Mostafa/Elsamanty, Mahmoud/Guo, Kai/Zhang, Senhao/Yang, Hongbo: A Review of Brain Activity and EEG-Based Brain-Computer Interfaces for Rehabilitation Application, *Bioengineering* 2022, S. 1-22.
- Otto, Kevin J./Ludwig, Kip A./Kipke, Daryl R.: BCI Design, Implementation, and Operation, in: Jonathan R. Wolpaw/Elizabeth Winter Wolpaw (Hrsg.), *Brain-Computer Interfaces*, Oxford 2012, S. 79-212.
- Paal, Boris, 2021, in: Paal, Boris P./Pauly, Daniel A. (Hrsg.): *Datenschutz-Grundverordnung Bundesdatenschutzgesetz*, 3. Aufl.
- Paal, Boris/Hennemann, Moritz, 2021, in: Paal, Boris P./Pauly, Daniel A. (Hrsg.): *Datenschutz-Grundverordnung Bundesdatenschutzgesetz*, 3. Aufl.

- Pampaloni, Niccolò Paolo/Giugliano, Michele/Scaini, Denis/Ballerini, Laura/Rauti, Rossana*: Advances in Nano Neuroscience: From Nanomaterials to Nanotools, *Frontiers in Neuroscience* 2019, S. 1-16.
- Paszkiel, Szczepan/Rojek, Ryszard/Lei, Ningrong/Castro, Maria António*: A Pilot Study of Game Design in the Unity Environment as an Example of the Use of Neurogaming on the Basis of Brain-Computer Interface Technology to Improve Concentration, *NeuroSci* 2021, S. 109-119.
- Peksa, Janis/Mamchur, Dmytro*: State-of-the-Art on Brain-Computer Interface Technology, *Sensors* 2023, S. 1-28.
- Petri, Thomas, 2019, in: Smitis, Spiros/Hornung, Gerrit/Spiecker gen. Döhmman, Indra (Hrsg.): *Datenschutzrecht DSGVO mit BDSG*, 1. Aufl.
- Petrlc, Ronald/Sorge, Christoph*: *Datenschutz: Einführung in technischen Datenschutz, Datenschutzrecht und angewandte Kryptographie*, Wiesbaden 2017.
- Phillips, Elizabeth/Zhao, Xuan/Ullman, Daniel/Malle, Bertram F.*: What is Human-like?: Decomposing Robots' Human-like Appearance Using the Anthropomorphic roBOT (ABOT) Database, *HRI '18: Proceedings of the 2018 ACM/IEEE International Conference on Human-Robot Interaction* 2018, S. 105-113.
- Pichiorri, Floriana/Morone, Giovanni/Petti, Manuela/Toppi, Jlenia/Pisotta, Iolanda/Molinari, Marco/Paolucci, Stefano/Inghilleri, Maurizio/Astolfi, Laura/Cincotti, Febo/Mattia, Donatella*: Brain-computer interface boosts motor imagery practice during stroke recovery, *Annals of Neurology* 2015, S. 851-865.
- Piltz, Carlo, 2018, in: Gola, Peter (Hrsg.): *Datenschutz-Grundverordnung*, 2. Aufl.
- Pires, Gabriel/Torres, Mario/Casaleiro, Nuno/Nunes, Urbano/Castelo-Branco, Miguel*: Playing Tetris with Non-Invasive BCI, *Proceedings of the 2013 IEEE 2nd International Conference on Serious Games and Applications for Health* 2011, S. 1-6.
- Plath, Kai-Uwe, 2018, in: Plath, Kai-Uwe (Hrsg.): *DSGVO BDSG*, 3. Aufl.
- Platon*: *Der Staat*, Düsseldorf 2000. (Verlag: Artemis & Winkler)
- Platon*: *Eutyphron*, Göttingen 2014.
- Pötters, Stephan, 2018, in: Gola, Peter (Hrsg.): *Datenschutz-Grundverordnung*, 2. Aufl.
- Pouillet, Yves/Dinant, Jean-Marc*: Report On The Application Of Data Protection Principles To The Worldwide Telecommunication Networks, *Strasbourg* 2004.
- Pratt, Jay/Radulescu, Petre V./Guo, Ruo Mu/Abrams, Richard A.*: It's Alive!: Animate Motion Captures Visual Attention, *Psychological Science* 2010, S. 1724-1730.
- Przybylski, Andrew K./Murayama, Kou/DeHaan, Cody R./Gladwell, Valerie*: Motivational, emotional, and behavioral correlates of fear of missing out, *Computers in Human Behavior* 2013, 1841-1848.
- Qui, Qiong/Ruiz-Blondet, Maria V./Laszlo, Sarah/Jin, Zhanpeng*: A Survey on Brain Biometrics, *ACM Computing Surveys* 2019, S. 1-38.
- Quinn, Paul/Malgieri, Gianclaudio*: The Difficulty of Defining Sensitive Data – The Concept of Sensitive Data in the EU Data Protection Framework, *German Law Journal* 2021, S. 1583-1612.
- Radbruch, Gustav*: *Rechtsphilosophie*, 2. Aufl., Heidelberg 2003.

- Rainey, Stephen/McGillivray, Kevin/Akintoye, Simi/Fothergill, Tyr/Bublitz, Christoph/Stahl, Bernd: Is the European Data Protection Regulation sufficient to deal with emerging data concerns relating to neurotechnology?, *Journal of Law and the Biosciences* 2020, S. 1-19.
- Rajaraman, Vaidyeswaran: Big Data Analytics, *Resonance* 2016, S. 695-716.
- Rajendra, Gove Nitinkumar/Rajeneesh, Bedi Kaur: A New Approach for Data Encryption Using Genetic Algorithms and Brain Mu Waves, *International Journal of Scientific and Engineering Research* 2011, S. 1-4.
- Ramírez-Moreno, Mauricio A./Carrillo-Tijerina, Patricio/Candela-Leal, Milton Osiel/Alanis-Espinosa, Myriam/Tudón-Martínez, Juan Carlos/Roman-Flores, Armando/Ramírez-Mendoza, Ricardo A./Lozoya-Santos, Jorge de J.: Evaluation of a Fast Test Based on Biometric Signals to Assess Mental Fatigue at the Workplace—A Pilot Study, *International Journal of Environmental Research and Public Health* 2021, S. 1-20.
- Rao, Rajesh P. N./Stocco, Andrea/Bryan, Matthew/Sarma, Devapratim, Youngquist/Wu, Joseph/Prat, Chantel S.: A Direct Brain-to-Brain Interface in Humans, *PLOS ONE* 2014, S. 1-12.
- Rasmussen, Robert Gregory/Acharya, Soumyadipta/Thakor, N.v.: Accuracy of a Brain-Computer Interfaces in Subjects with Minimal Training, *Proceedings of the IEEE 32nd Annual Northeast Bioengineering Conference* 2006, S. 167-168.
- Ravi, K. V. R./Palaniappan, Ramaswamy/Eswaran, C./Phon-Amnuaisuk, Somnuk: Data Encryption Using Event-related Brain Signals, *IEEE Conference on Computational Intelligence and Multimedia Applications* 2007, S. 1-5.
- Rawls, John: *A Theory of Justice*, Cambridge (USA) 1971.
- Reck Miranda, Eduardo/Brouse, Andrew/Boskamp, Bram/Mullaney, Hilary: Plymouth Brain-Computer Music Interface Project: Intelligent Assistive Technology for Music-Making, *Proceedings of International Computer Music Conference* 2005, S. 1-4.
- Reimer, Philipp, 2018, in: Sydow (Hrsg.), Gernot: *Europäische Datenschutzgrundverordnung*, 2. Aufl.
- Reinsel, David/Gantz, John/Rydning, John: *The Digitization of the World*, 2018.
- Reuderink, Boris/Nijholt, Anton/Poel, Mannes: Affective Pacman: A Frustrating Game for Brain-Computer Interface Experiments, in: Anton Nijholt/Dennis Reidsma/Hendri Hondorp (Hrsg.), *Intelligent Technologies for Interactive Entertainment*, Amsterdam 2009, S. 221-227.
- Richter, Matthias/Kliner, Karin//Rennert, Dirk: Ergebnisse der BKK Umfrage „Digitalisierung, Arbeit und Gesundheit“, in: Franz Knieps/Holger Pfaff (Hrsg.), *Digitale Arbeit – Digitale Gesundheit*, Berlin 2017, S. 107-124.
- Richter, Philipp: Datenschutz zwecklos? – Das Prinzip der Zweckbindung im Ratsentwurf der DSGVO, *DuD* 2015, S. 735-740.
- Rocher, Luc/Hendrickx, Julien M./de Montjoye, Yves-Alexandre: Estimating the success of re-identifications in incomplete datasets using generative models, *Nature Communications* 2019, S. 1-9.
- Rodríguez, Eva/Otero, Beatriz/Canal, Ramon: A Survey of Machine and Deep Learning Methods for Privacy Protection in the Internet of Things, *Sensors* 2023, S. 1-24.

- Ropohl, Günter: Allgemeine Technologie, 3. Aufl. Karlsruhe 2009.
- Rosenfeld, Lisa/Torous, John/Vahia, Ipsit V.: Data Security and Privacy in Apps for Dementia: An Analysis of Existing Privacy Policies, *The American Journal of Geriatric Psychiatry* 2017, S. 873-877.
- Roßnagel, Alexander, 2019., in: Smitis, Spiros/Hornung, Gerrit/Spiecker gen. Döhmman, Indra (Hrsg.): *Datenschutzrecht DSGVO mit BDSG*, 1. Aufl.
- Roßnagel, Alexander/Nebel, Maxi/Richter, Philipp: Was bleibt vom Europäischen Datenschutzrecht? Überlegungen zum Ratsentwurf der DS-GVO, *ZD* 2015, S. 455-460.
- Roy, Raphaëlle/Bonnet, Stéphane/Charbonnier, Sylvie/Campagne, Aurélie: Mental fatigue and working memory load estimation: Interaction and implications for EEG-based passive BCI, 35th Annual International Conference of the IEEE EMBS 2013, S. 6607-6610.
- Royer, Audrey/Doud, Alexander J./Rose, Minn L./He, Bin: EEG Control of a Virtual Helicopter in 3-Dimensional Space Using Intelligent Control Strategies, *IEEE Transactions on Neural Systems and Rehabilitation Engineering* 2010, S. 581-589.
- Rupp, Rüdiger/Kleih, Sonja C./Leeb, Robert/Millan, José del R./Kübler, Andrea/Müller-Putz, Gernot R.: Brain-Computer Interfaces and Assistive Technology, in: Gerd Grüber/Elisabeth Hildt (Hrsg.), *Brain-Computer Interfaces in their ethical, social and cultural contexts*, Dordrecht 2014, S. 7-38.
- Safron, Adam/Klimaj, Victoria/Sylva, David/Rosenthal, A. M./Li, Meng/Walter, Martin/Bailey, J. Michael: Neural Correlates of Sexual Orientation in Heterosexual, Bisexual, and Homosexual Woman, *Scientific Reports* 2018 (8), S. 1-14.
- Saha, Simanto/Mamun, Khondaker A./Ahmed, Khawza/Mostafa, Raqibul/Naik, Ganesh R./Darvishi, Sam/Khandoker, Ahsan H./Baumert, Mathias: Progress in Brain Computer Interface: Challenges and Opportunities, *Frontiers in Systems Neuroscience* 2021, S. 1-20.
- Salahuddin, Usman/Gao, Pu-Xian: Signal Generation, Acquisition, and Processing in Brain Machine Interfaces: A Unified Review, *Frontiers in Neuroscience* 2021, S. 1-21.
- Samhita, Laasya/Gross, Hans J.: The „Clever Hans Phenomenon“ revisited, *Communicative & Integrative Biology* 2013, S. 1-3.
- Sanna, Andrea/Manuri, Federico/Fiorenza, Jacopo/De Pace, Francesco: BARI: An Affordable Brain-Augmented Reality Interface to Support Human-Robot Collaboration in Assembly Tasks, *Information* 2022, S. 1-14.
- Santamaría-Vázquez, Eduardo/Martínez-Cagigal, Víctor/Marcos-Martínez, Diego/Rodríguez-González, Víctor/Pérez-Velasco, Sergio/Moreno-Calderón, Selene: MEDUSA©: A novel Python-based software ecosystem to accelerate brain-computer interface and cognitive neuroscience research, *Computer Methods and Programs in Biomedicine* 2023, S. 1-9.
- Schaar, Katrin: DS-GVO: Geänderte Vorgaben für die Wissenschaft, *ZD* 2016, S. 224-226.
- Schantz, Peter, 2017, in: Schantz, Peter/Wolff, Heinrich Amadeus (Hrsg.): *Das neue Datenschutzrecht*,
- Schantz, Peter, 2019, in: Smitis, Spiros/Hornung, Gerrit/Spiecker gen. Döhmman, Indra (Hrsg.): *Datenschutzrecht DSGVO mit BDSG*, 1. Aufl.

- Schantz, Peter, 2020, in: Wolff, Heinrich Amadeus/ Brink, Stefan (Hrsg.), *Stefan: BeckOK Datenschutzrecht*, 36. Aufl.
- Schefzig, Jens: Big Data = Personal Data? Der Personenbezug von Daten bei Big Data-Analysen, DSRITB 2014, S. 103-119.
- Schiff, Alexander, 2018, in: in: Ehmann, Eugen/ Selmayr, Martin (Hrsg.): *Datenschutz-Grundverordnung DS-GVO*. 2. Aufl.
- Schild, Hans Hermann, 2020, in: Wolff, Heinrich Amadeus/ Brink, Stefan (Hrsg.), *Stefan: BeckOK Datenschutzrecht*, 36. Aufl.
- Schmidt, Ingrid, 2021, in: Müller-Glög/Preis/Schmidt (Hrsg.): *ErfK zum Arbeitsrecht*, 21. Aufl.
- Schmidt-Wudy, Florian, 2020, in: Wolff, Heinrich Amadeus/ Brink, Stefan (Hrsg.), *Stefan: BeckOK Datenschutzrecht*, 36. Aufl.
- Schneider, Frank/Fink, Gereon R.: Einführung, in: Frank Schneider/ Gereon R. Fink (Hrsg.), *Funktionelle MRT in Psychiatrie und Neurologie*, 2. Aufl., 2013, S. 1-4.
- Schneider, Jana/Schindler, Stephan: Videoüberwachung als Verarbeitung besonderer Kategorien personenbezogener Daten, ZD 2018, S. 463-469.
- Schneider, Jochen: Schließt Art. 9 DS-GVO die Zulässigkeit der Verarbeitung bei Big Data aus?, ZD 2017, S. 303-307.
- Schreiber, Darren/Fonzo, Greg/Simmons, Alan N./Dawes, Christopher T./Flagan, Taru/ Fowler, James H./Paulus, Martin P.: Red Brain, Blue Brain: Evaluative Processes Differ in Democrats and Republicans, PLOS ONE 2013, S. 1-6.
- Schultze-Melling, Jyn, 2022, in: Taeger, Jürgen/Gabel, Detlev (Hrsg.): *DSGVO – BDSG*, 4. Aufl.
- Schulz, Sebastian, 2018, in: Gola, Peter (Hrsg.): *Datenschutz-Grundverordnung*, 2. Aufl.
- Schulz, Sebastian: *Privacy by Design*, CR 2012, S. 204-208.
- Schwartzmann, Rolf/Jaspers, Andreas/Thüsing, Gregor/Kugelmann, Dieter (Hrsg.): *DS-GVO/BDSG, Kommentar*, Heidelberg 2018.
- Schwarz, Christopher G./Kremers, Walter K./Therneau, Terry M./Sharp, Richard R./ Gunter, Jeffery L./Vemuri, Prashanthi/Arani, Arvin/Spychella, Anthony J./Kantarci, Kejal/Knopman, David S./Petersen, Ronald C./Jack Jr., Clifford R.: Identification of Anonymous MRI Research Participants with Face-Recognition Software, *The New England Journal of Medicine* 2019, S. 1684-1686.
- Schwemmer, Michael A./Skomrock, Nicholas D./Sederberg, Per B./Ting, Jordyn E./Sharma, Gaurav/Bockbrader, Marcia A./Friedenberg, David A.: Meeting brain-computer interface user performance expectations using a deep neural network decoding framework, *nature medicine* 2018, S. 1669-1679.
- Sebastián-Romagosá, Marc/Cho, Woosang/Ortner, Rupert/Murovec, Nensi/Von Oertzen, Tim/Kamada, Kyousuke/Allison, Brendan Z./Guger, Christoph: Brain Computer Interface Treatment for Motor Rehabilitation of Upper Extremity of Stroke Patients – A Feasibility Study, *Frontiers of Neuroscience* 2020, S. 1-12.

- Shah, Uzair/Alzubaidi, Mahmood/Mohsen, Farida/Abd-Alrazaq, Alaa/Alam, Tanvir/Househ, Mowafa*: The Role of Artificial Intelligence in Decoding Speech from EEG Signals: A Scoping Review, *Sensors* 2022, S. 1-15.
- Shan, Hongchang/Liu, Yu/Stefanov, Todor*: A Simple Convolutional Neural Network for Accurate P300 Detection and Character Spelling in Brain Computer Interface, *Proceedings of the Twenty-Seventh International Joint Conference on Artificial Intelligence* 2018, S. 1604-1610.
- Shih, Jerry J./Krusienski, Dean J./Wolpaw, Jonathan R.*: Brain-Computer Interfaces in Medicine, *Mayo Clinic Proceedings* 2012, S. 268-279.
- Smalley, Eric*: The business of brain-computer interfaces, *Nature Biotechnology* 2019, S. 978-982.
- Soekadar, Surjo R./Nann, Marius/Crea, Simona/Trigili, Emilio/Gómez, Cristina/Opisso, Eloy/Cohen, Leonardo G./Birbaumer, Niels/Vitiello, Nicola*: Restoration of Finger and Arm Movements Using Hybrid Brain/Neural Assistive Technology in Everyday Life Environments, in: Christoph Guger/Brendan Z. Allison/Natalie Mrachacz-Kersting (Hrsg.), *Brain-Computer Interface Research*, Cham 2019, S. 53-62.
- Soori, Mohsen/Arezo, Behrooz/Dastres, Roza*: Internet of things for smart factories in industry 4.0, a review, *Internet of Things and Cyber-Physical Systems* 2023, S. 192-204.
- Specht, Louisa*, 2018, in: Sydow (Hrsg.), *Gernot: Europäische Datenschutzgrundverordnung*, 2. Aufl.
- Spiekermann, Markus*: Chancen und Herausforderungen in der Datenökonomie, *Aus Politik und Zeitgeschichte* 2019, S. 16-21.
- Spindler, Gerald/Dalby, Lukas*, 2019, in: *Spindler, Gerald/Schuster, Fabian* (Hrsg.): *Recht der elektronischen Medien*, 4. Aufl.
- Spindler, Gerald/Horváth, Anna Zsófia*, 2019, in: *Spindler, Gerald/Schuster, Fabian* (Hrsg.): *Recht der elektronischen Medien*, 4. Aufl.
- Spindler, Gerald*: Big Data und Forschung mit Gesundheitsdaten in der gesetzlichen Krankenversicherung, *Medizinrecht* 2016, S. 691-699.
- Srijony, Tashnova Hasan/Rashid, Khalid Hasan Ur/Chakraborty, Utchash/Badsha, Imran/Morol, Kishor*: A Proposed Home Automation System for Disable People Using BCI System, *Proceedings of International Joint Conference on Advances in Computational Intelligence* 2021, S. 1-15.
- Stammler, Rudolf*: *Lehrbuch der Rechtsphilosophie*, 2. Aufl., Berlin 1923.
- Stawicki, Piotr/Gembler, Felix/Volosyak, Ivan*: Driving a Semiautonomous Mobile Robotic Car Controlled by an SSVEP-Based BCI, *Computational Intelligence and Neuro-science* 2016, S. 1-14.
- Steinfeld, Nili*: „I agree tot he terms and conditions“: (how) do users read privacy policies online? An eye-tracking experiment, *Computers in Human Behavior* 2016, S. 992-1000.
- Steinmüller/Lutterbeck/Mallmann/Harborn/Kolb/Schneider*: *Grundfragen des Datenschutzes*, BT-Drucksache VI/3826, Bonn 1971.

- Sterman, Maurice/Friar, Linda*: Suppression of seizures in an epileptic following sensorimotor EEG feedback training, *Electroencephalography and Clinical Neurophysiology* 1972, S. 89-95.
- Stollhoff, Susanne*, 2020, in: *Eßer, Martin/Kramer, Philipp/von Lewinski, Kai* (Hrsg.): *DSGVO BDSG*, 7. Aufl.
- Straebel, Volker/Thoben, Wilim*: Alvin Lucier's Music for Solo Performer: Experimental music beyond sonification, *Organised Sound* 2014, S. 17-29.
- Strahilevitz, Lior/Kugler, Matthew B.*: Is Privac Policy Language Irrelevant to Consumers?, *Coase-Sandor Working Paper Series in Law and Economics* 2016, S. 1-28.
- Tabassum, Madiha/Alqhatani, Abdulmajeed/Aldossari, Marran/Richter Lipford, Heather*: Increasing User Attention with a Comic-based Policy, *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems* 2018, S. 1-6.
- Taeger, Jürgen*, 2019, in: *Taeger, Jürgen/Gabel, Detlev* (Hrsg.): *DSGVO – BDSG*, 3. Aufl.
- Taeger, Jürgen*, 2022, in: *Taeger, Jürgen/Gabel, Detlev* (Hrsg.): *DSGVO – BDSG*, 4. Aufl.
- Takabi, Hassan*: Firewall for Brain: Towards a Privacy Preserving Ecosystem for BCI Applications, *IEEE Conference on Communications and Network Security* 2016, S. 1-2.
- Tang, Xin/Shen, Hao/Zhao, Siyuan/Li, Na/Liu, Jia*: Flexible brain-computer interfaces, *Nature Electronics* 2023, S. 109-118.
- Tang, Yuchun/Hojatkashain, Cornelius/Dinov, Ivo/Sun, Bo/Fan, Lingzhong/Lin, Xiangtao/Qi, Hengtao/Hua, Xue/Liu, Shuwei/Toga, Arthur W.*: The construction of a Chinese MRI brain atlas: A morphometric comparison study between Chinese and Caucasian cohorts, *NeuroImage* 2010, S. 33-41.
- Tangermann, Michael/Krauledat, Matthias/Grzeska, Konrad/Sagebaum, Max/Blankertz, Benjamin/Vidaurre, Carmen/Müller, Klaus-Robert*: Playing Pinball with non-invasive BCI, *Advances in Neural Information Processing Systems* 2008, S. 1641-1648.
- Teismann, Tobias/ Brailovskaia, Julia/Schaumburg, Svenja/Wannemüller, André*: High place phenomenon: prevalence and clinical correlates in two German samples, *BMC Psychiatry* 2020, S. 1-7.
- Teo, Sze-Hui Jane/Poh, Xue Wie Wendy/Lee, Tih Shih/Guan, Cuntai/Cheung, Yin Bun/Fung, Daniel Shuen Sheng/Zhang, Hai Hong/Chin, Zheng Yang/Wang, Chuan Chu/Sung, Min/Goh, Tze Jui/Wenig, Shih Jen/Tng, Xin Jie Jordon/Lim, Choon Guan*: Brain-computer interface based attention and social cognition training programme for children with ASD and co-occurring ADHD: A feasibility trial, *Research in Autism Spectrum Disorders* 2021, S. 1-14.
- Tonin, Luca/Carlos, Tom/Leeb, Robert/del R Millán, José*: Brain-controlled telepresence robot by motor-disabled people, *Proceedings of the annual international conference of the IEEE EMBS* 2011, S. 1-4.
- Torre, Damiano/Abualhaija, Sallam/Sabetzadeh, Mehrdad/Briand, Lionel/Baetens, Katrien/Goes, Peter/Forastier, Sylvie*: An AI-assisted Approach for Checking the Completeness of Privacy Policies Against GDPR, *IEEE 28th International Requirements Engineering Conference (RE)* 2020, S. 136-146.
- Tuchel, Klaus*: Herausforderung der Technik, *Bremen* 1967.

- Tudour, Mario/Tudor, Lorainne/Tudor, Katarina Ivana*: Hans Berger (1873-1941) - The history of electroencephalography, *Acta medica Croatica* 2005, S. 307-313;
- Ullah, Amin/Anwar, Syed Myhammad/Li, Jianqiang/Nadeem, Lubna/Mahmood, Tariq/Rehman, Amjad/Saba, Tanzila*: Smart cities: the role of Internet of Things and machine learning in realizing a data-centric smart environment, *Complex & Intelligent Systems* 2024, S. 1607-1637.
- van de Laar, Bram/Gürkök, Hayrettin/Plass-Oude Bos, Danny/Poel, Mannes/Nijholt, Anton*: Experiencing BCI Control in a Popular Computer Game, *IEEE Transactions on Computational Intelligence and AI in Games* 2013, S. 176-184.
- van Erp, Jan B.F./Lotte, Fabien/Tangermann, Michael*: Brain-Computer Interfaces: Beyond Medical Applications, *Computer* 2012, S. 26-34.
- Vargas Martin, Miguel/Cho, Victor/Aversano, Gabriel*: Detection of Subconscious Face Recognition Using Consumer-Grade Brain-Computer Interfaces, *ACM Transactions on Applied Perception* 2016, Article 7 S. 1-20.
- Vasa, Jalpesh/Thakkar, Amit*: Deep Learning: Differential Privacy Preservation in the Era of Big Data, *Journal of Computer Information Systems* 2023, S. 608-631.
- Vecchiato, Giovanni/Astolfi, Laura/De Vico Fallani, Fabrizio/Dalinari, Serenella/Cincotti, Febo/Aloise, Fabio/Mattia, Donatella/Marciani, Maria Grazia/Bianchi, Luigi/Soranzo, Ramon/Babiloni, Fabio*: The study of brain activity during the observation of commercial advertising by using high resolution EEG techniques, et al., 31st Annual International Conference of the IEEE EMBS 2009, S. 57-60.
- Veil, Winfried*: DS-GVO: Risikobasierter Ansatz statt rigides Verbotsprinzip Eine erste Bestandsaufnahme, *ZD* 2015, S. 347-353.
- Vidal, Jacques*: Toward Direct Brain-Computer Communication, *Annual Review of Biophysics and Bioengineering* 1973, S. 157-180.
- Vinothraj, Thangarajah/Alfred, Denshiya Dominic/Amarakeerthi, Senaka/Ekanayake, Jayalath B.*: BCI-Based Alcohol Patient Detection, et al., *Conference Papers IFSA-SCIS* 2017, S. 1-6.
- Voigt, Marlene*: Die datenschutzrechtliche Einwilligung, Baden-Baden 2020.
- Voigt, Paul*, 2019, in: *Taeger, Jürgen/Gabel, Detlev (Hrsg.): DSGVO – BDSG, 3. Aufl.*
- Voigt, Paul/von dem Bussche, Axel*: *EU-Datenschutz-Grundverordnung (DSGVO)*, Berlin 2018.
- von Aquin, Thomas*: *Summa Theologiae II-II, 2. Aufl.*, London 1920.
- Voß, Jakob*: Was sind eigentlich Daten?, *LIBREAS* 2013, S. 4-11.
- Vossenkuhl, Cosima*: *Der Schutz genetischer Daten*, München 2013.
- Wahlstrom, Kirsten/Fairweather, Ben/Ashman, Helen*: Brain-computer interfaces: A technical approach to supporting privacy, *Proceedings of the 12th Int. Ethicomp Conference* 2011, S. 471-479.
- Wang, Jing/Cherkassky, Vladimir L./Just, Marcel Adam*: Predicting the Brain Activation Pattern Associated With the Propositional Content of a Sentence: Modeling Neural Representations of Events and States, *Human Brain Mapping* 2017, S. 4865-4881.

- Wang, Ker-Jiun/Zhen, Caroline Yan/Shidjaman, Mohammad/Wairagkar, Maitreyee/von Mohr, Mariana: Jean Joseph v2.0 (REmotion): Make Remote Emotion Touchable, Seeable and Thinkable by Direct Brain-toBrain Telepathy Neurohaptic Interface Empowered by Generative Adversarial Network, IEEE International Conference on SMC 2020, S. 3488-3493.
- Wang, Yijun/Jung, Tzyy-Ping: A Collaborative Brain-Computer Interface for Improving Human Performance, PLOS ONE 2011, S. 1-11.
- Warner, Mark R./Fisher, Deb: Deceptive Experiences To Online Users Reduction (DETOUR) Act, 2019.
- Weber, Max: Wirtschaft und Gesellschaft, 5. Aufl., Tübingen 1921.
- Wedde, Peter, 2020, in: Däubler, Wolfgang/Wedde, Peter/Weichert, Thilo/Sommer, Imke (Hrsg.): EU-DSGVO und BDSG.
- Weichert, Thilo, 2020, in: Kühling, Jürgen/Buchner, Benedikt (Hrsg.): Datenschutz-Grundverordnung/BDSG, 3. Aufl.
- Weinzierl, Quirin: Dark Patterns als Herausforderung für das Recht, NvWZ 2020, S. 1-11.
- Westin, Alan F.: Privacy and Freedom, New York 1967.
- Williams, Lisa A./Brosnan, Sarah F./Clay, Zanna: Anthropomorphism in comparative affective science: Advocating a mindful approach, Neuroscience & Biobehavioral Reviews 2020, S. 299-307.
- Wolff, Heinrich Amadeus, 2017, in: Schantz, Peter/Wolff, Heinrich Amadeus (Hrsg.): Das neue Datenschutzrecht,
- Wolpaw, Jonathan R./Winter Wolpaw, Elizabeth: Brain-Computer Interfac-es: Something new under the sun, in: Jonathan R. Wolpaw/Elizabeth Winter Wolpaw (Hrsg.), Brain-Computer Interfaces, Oxford 2012, S. 3-12.
- Wong, Rebecca: Data Protection Online: Alternative Approaches to Sensitive Data?, Journal of International Commercial Law and Technology 2007, S. 9-16.
- Woyke, Andreas: Human Enhancement und seine Bewertung – eine kleine Skizze, In: Andreas Woyke/Reinhard Heil/Stefan Gammel/Christopher Coenen (Hrsg.), Die Debatte über »Human Enhancement«, Bielefeld 2010, S. 21-38.
- Xu, Baoguo/Li, Wenlong/He, Xiaohang/Wie, Zhiwei/Zhang, Dalin/Wu, Changcheng/Song, Aiguo: Motor Imagery Based Continuous Teleoperation Robot Control with Tactile Feedback, Electronics 2020 S. 1-16.
- Xu, Baoguo/Li, Wenlong/Liu, Deping/Zhang, Kun/Miao, Minmin/Xu, Gouzheng/Song, Aiguo: Continuous Hybrid BCI Control for Robotic Arm Using Noninvasive Electroencephalogram, Computer Vision, and Eye Tracking, Mathematics 2022, S. 1-20.
- Yanagisawa, Takufumi/Hirata, Masayuki/Saitoh, Youichi/Kishima, Haruhiko/Matsushita, Kojiro/Goto, Tetsu/Fukuma, Ryohei/Yokoi, Hiroshi/Kamitani, Yukiyasu/Yoshimine, Toshiki: Electro corticographic Control of aProsthetic Arm in Paralyzed Patients, Annals of Neurology 2012, S. 353-361.
- Yanagisawa, Takufumi/Hirata, Masayuki/Saitoh, Youichi/Kishima, Haruhiko/Matsushita, Kojiro/Goto, Tetsu/Fukuma, Ryohei/Yokoi, Hiroshi/Kamitani, Yukiyasu/Yoshimine, Toshiki: Electro corticographic Control of aProsthetic Arm in Paralyzed Patients, Annals of Neurology 2012, S. 353-361.

- Youyuo, Wu/Kosinski, Michal/Stillwell, David:* Computer-based personality judgments are more accurate than those made by humans, PNAS 2014, S. 1036-1040.
- Zhang, Biao/Wang, Jianjun/Fuhlbrigge, Thomas:* A Review of the Commercial Brain-Computer Interface Technology from Perspective of Industrial Robotics, Proceedings of the 2010 IEEE 2010, S. 379-384.
- Zhang, Meng/Raghunathan, Anand/Jha, Niraj K.:* MedMon: Securing Medical Devices Through Wireless Monitoring and Anomaly Detection, IEEE Transactions on Biomedical Circuits and Systems 2013, S. 871-881.
- Zhao, Zhi-Ping/Nie, Chuang/Jiang, Cheng-Teng/Cao, Sheng-Hao/Tian, Kai-Xi/Yu, Shan/Gu, Jian-Wen:* Modulating Brain Activity with Invasive Brain-Computer Interface: A Narrative Review, Brain Sciences 2023, S. 1-14.
- Zuboff, Shoshana:* Aus Politik und Zeitgeschichte 2019, S. 4-9.
- Zuiderveen Borgesius, Frederik J./Möller, Judith/Kruikemeier, Sanne/Ó Fathaigh, Ronan/Irion, Kristian/Dobber, Tom/Bodo, Balazs/de Vreese, Claes:* Online Political Microtargeting: Promises and Threats for Democracy, Utrecht Law Review 2018, S. 82-96.
- Zuse, Horst:* Der lange Weg zum Computer: Von Leibnitz' Dyadik zu Zuses Z3, in: Martin Grötschel/Eberhard Knobloch/Juliane Schiffrers/Mimmi Woisnitza/Günther M. Ziegler (Hrsg.), Vision als Aufgabe – das Leibnitz Universum im 21. Jahrhundert, Berlin 2016, S. 111-124.

