



FAKULTÄT FÜR
NATURWISSENSCHAFTEN

Publikationsbericht 2022

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Prodekan

Prof. Dr. rer. nat. habil. Jan Wiersig

Studiendekan

Prof. Dr. rer. nat. Fred Schaper

2. Veröffentlichungen

Begutachtete Zeitschriftenaufsätze

Schürmann, Hannes; Schmidt, Gordon; Bertram, Frank; Berger, Christoph; Metzner, Sebastian; Veit, Peter; Dadgar, Armin; Strittmatter, André; Christen, Jürgen

Desorption induced formation of low-density GaN quantum dots - nanoscale correlation of structural and optical properties

In: Journal of physics / D - Bristol: IOP Publ., Bd. 55 (2022), 14, insges. 7 S.; 10.25673/89845

[Imp.fact.: 3,207]

Trittel, Torsten; Klopp, Christoph; Harth, Kirsten; Stannarius, Ralf

Stability and rupture of liquid crystal bridges under microgravity

In: Crystals - Basel: MDPI, 2011, Bd. 12 (2022), 8, insges. 16 S.

[Imp.fact.: 2,67]

Habilitationen

Dürschmid, Stefan; Hinrichs, Hermann [AkademischeR BetreuerIn]; Ostwald, Dirk [AkademischeR BetreuerIn]

Voraussetzungen und Variationen der Informationsintegration im menschlichen Gehirn - Verknüpfung von externen und internen Informationen zur Verbesserung der Mensch-Umwelt-Interaktion. - Magdeburg: Universitätsbibliothek,

2022, 1 Online-Ressource (1 Band (verschiedene Seitenzählungen, 15,75 MB)), Illustrationen; <http://dx.doi.org/10.25673/88799>

Dissertationen

Bhattacharjee, Rituparna; Budinger, Eike [AkademischeR BetreuerIn]

Sequestration of infected red blood cells and reduced venous efflux precede excessive inflammatory responses in experimental cerebral malaria. - Magdeburg: Universitätsbibliothek, 2022, 1 Online-Ressource (VI, 92, VII-XVII, 4,73 MB), Illustrationen, Diagramme; <http://dx.doi.org/10.25673/79565>

Borgmeyer, Maximilian Karl; Dieterich, Daniela C. [AkademischeR BetreuerIn]

Regulation of synaptic signaling following environmental enrichment and local secretory trafficking in neuronal dendrites. - Magdeburg: Universitätsbibliothek, 2022, 1 Online-Ressource (97 Seiten, 6,99 MB), Illustrationen,

Diagramme; <http://dx.doi.org/10.25673/81103>

Brosch, Marcel; Ohi, Frank [AkademischeR BetreuerIn]

Development and application of a transparent ECoG array and optrode microdrive for combined electrophysiology and optophysiology. - Magdeburg: Universitätsbibliothek, 2022, 1 Online-Ressource (X, 137, i Seiten), Illustrationen; <http://dx.doi.org/10.25673/86171>

Cangalaya Lira, Carla Marcia; Dityatev, Alexander [AkademischeR BetreuerIn]

Microglia - neuron - extracellular matrix interactions in the adult mouse brain. - Magdeburg, 2022, v, 126 Seiten, Illustrationen, Diagramme, 30 cm

Chaithongyot, Supattra; Naumann, Michael [AkademischeR BetreuerIn]

Function of STAMBPL1 in Helicobacter pylori-associated cell death. - Magdeburg: Universitätsbibliothek, 2022, 1 Online-Ressource (ii, 82 Blätter, 3,89 MB), Illustrationen; <http://dx.doi.org/10.25673/92663>

De Boni, Carina; Wex, Thomas [AkademischeR BetreuerIn]

Wirkung einer Glutaminylylase-Hemmung auf Ausprägung einer experimentellen akuten Pankreatitis. - Magdeburg: Universitätsbibliothek, 2022, 1 Online-Ressource (iii, 99, I Seiten, 2,05 MB), Illustrationen; <http://dx.doi.org/10.25673/92644>

Frick, Vivian; Matthies, Ellen [AkademischeR BetreuerIn]

An environmental psychology perspective on sufficiency-oriented consumption in online environments. - Magdeburg: Universitätsbibliothek, 2022, 1 Online-Ressource (xiii, 171 Seiten, 2,18 MB), Illustrationen; <http://dx.doi.org/10.25673/85998>

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Modulation of allergic airway inflammation by Staphylococcus aureus enterotoxin B in a mouse model. - Magdeburg: Universitätsbibliothek, 2022, 1 Online-Ressource (XVI, 162 Seiten, 5,65 MB), Illustrationen; <http://dx.doi.org/10.25673/92611>

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Functional characterization of an LCK cysteine mutant. - Magdeburg: Universitätsbibliothek, 2022, 1 Online-Ressource (XV, 118 Seiten, 3,31 MB), Illustrationen; <http://dx.doi.org/10.25673/100839>

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Ma, Jing

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molecular imaging. - Magdeburg: Universitätsbibliothek, 2022, 1 Online-Ressource (IX, 135 Seiten, 3,5 MB), Illustrationen; <http://dx.doi.org/10.25673/86022>

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Enhancing the diagnostic security of periprosthetic joint infections by using dithiothreitol, next-generation-sequencing and C9 as a new biomarker. - Magdeburg: Universitätsbibliothek, 2022, 1 Online-Ressource (110 Seiten, 2,37 MB), Illustrationen; <http://dx.doi.org/10.25673/86446>

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Elucidating the roles of secretory immunoglobulins in asthma under homeostatic and infectious conditions. - Magdeburg: Universitätsbibliothek, 2022, 1 Online-Ressource (xiii, 124 Seiten, 8,92 MB), Illustrationen; <http://dx.doi.org/10.25673/96508>

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Rose, Angela

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Shah, Aneri; Mertens, Peter Rene [AkademischeR BetreuerIn]

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Voss, Linda; Reinhold, Dirk [AkademischeR BetreuerIn]

Untersuchungen zur Wirkung von Adefovir-Dipivoxil und Pitavastatin auf die Funktion humaner T-Zellen. - Magdeburg: Universitätsbibliothek, 2022, 1 Online-Ressource (IX, 103 Seiten, 4,65 MB), Illustrationen; <http://dx.doi.org/10.25673/91834>

Yi, Wenjing

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Zhang, Enqi; Sabel, Bernhard A. [AkademischeR BetreuerIn]

Kinetics of polymeric nanoparticulate carriers and cargo under physiological and pathological conditions in the retina.

- Magdeburg: Universitätsbibliothek, 2022, 1 Online-Ressource (XIII, 126 Seiten, 4,31 MB), Illustrationen, Diagramme;
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2. Veröffentlichungen

Begutachtete Zeitschriftenaufsätze

Anikeeva, Mariia; Sangal, Maitreyi; Speck, Oliver; Norquay, Graham; Zuhayra, Maaz; Lützen, Ulf; Peters, Josh; Jansen, Olav; Hövener, Jan-Bernd

Nichtinvasive funktionelle Lungenbildgebung mit hyperpolarisiertem Xenon
In: Die Radiologie - [Berlin]: Springer Medizin Verlag GmbH, Bd. 62 (2022), 6, S. 475-485
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Engaging through awareness - purpose-driven framework development to evaluate and develop future business strategies with exponential technologies toward healthcare democratization
In: Frontiers in Public Health - Lausanne: Frontiers Media, 2013, Bd. 10 (2022), insges. 11 S.
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In: Protoplasma - Wien: Springer. - 2022; <http://dx.doi.org/10.1007/s00709-022-01747-0>
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Challa, S. R.; Witte, Hartmut; Schmidt, Gordon; Bläsing, Jürgen; Vega, N.; Kristukat, C.; Müller, N. A.; Debray, M. E.; Christen, J.; Dadgar, A.; Strittmatter, André

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In: Journal of physics / D - Bristol: IOP Publ., Bd. 55 (2022), 11, insges. 7 S.; 10.25673/89846
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In: Computers in biology and medicine - Amsterdam [u.a.]: Elsevier Science, Bd. 143 (2022)
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Classification of brain tumours in MR images using deep spatiotemporal models
In: Scientific reports - [London]: Macmillan Publishers Limited, part of Springer Nature, Bd. 12 (2022), insges. 11 S.
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In: Journal of imaging - Basel: MDPI, Bd. 8 (2022), 10, insges. 22 S.

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In: Computers in biology and medicine - Amsterdam [u.a.]: Elsevier Science, Bd. 149 (2022)
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