



FAKULTÄT FÜR
NATURWISSENSCHAFTEN

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FAKULTÄT FÜR NATURWISSENSCHAFTEN

Universitätsplatz 2, 39106 Magdeburg
Tel. +49 (0)391 67 58676, Fax +49 (0)391 67 41131
fnw@ovgu.de

1. Leitung

Dekanin/Dekan

Prof. Dr. rer. nat. habil. Anna Katharina Braun (bis 30.09.2016) Prof. Dr. rer. nat. habil. Oliver Speck (ab 01.10.2016)

Prodekan

Prof. Dr. phil. Stefan Pollmann (bis 30.09.2016) Prof. Dr. med. Markus Ullsperger (ab 01.10.2016)

Studiendekan

Prof. Dr. rer. nat. habil. Jan Wiersig (bis 30.09.2016) Prof. Dr. rer. nat. Fred Schaper (ab 01.10.2016)

2. Veröffentlichungen

Dissertationen

Abd Hamid, Aini Ismafairus Binti; Speck, Oliver [GutachterIn]

Modulations of visual cortex organization investigated with 7 Tesla fMRI. - Magdeburg, 2015; xviii, 164 Blätter: Illustrationen; 30 cm
[Literaturverzeichnis: Seite 140-158];

Arreba Tutusaus, Patricia

Impact of FLT3 internal tandem duplications (FLT3-ITD) on functional biology and sensitivity to therapy depending on their location. - Magdeburg, 2016; VIII, 116 Seiten: Illustrationen
[Literaturverzeichnis: Seite 91-110];

Belikov, Aleksey Vitalyevich; Simeoni, Luca [GutachterIn]

The role of reactive oxygen species and mitochondria in T-cell activation. - Magdeburg, 2015; 118 Blätter: Illustrationen
[Literaturverzeichnis: Blatt 98-115];

Dähmow, Patricia; Stannarius, Ralf [GutachterIn]

Spatio-temporal pattern formation in microemulsions under different physical and chemical conditions. - Magdeburg, 2015; VIII, 123 Seiten: Illustrationen
[Literaturverzeichnis: Seite 107-114];

Diefert, Christin; Hauser, Marcus [GutachterIn]

Bionische Ansätze zur Entwicklung optimierter Kunststoffdeformationselemente zur automobilen Anwendung. - Magdeburg, 2016; VIII, 182 Seiten: Illustrationen, Diagramme; 30 cm
[Literaturverzeichnis: Seite 153-157];

Eckenstaler, Robert; Leßmann, Volkmar [GutachterIn]

Regulation der Kalzium-abhängigen Ausschüttung von BDNF aus hippocampalen Neuronen durch CAPS1. - Magdeburg, 2016; 133 Seiten: Illustrationen, Diagramme; 30 cm
[Literaturverzeichnis: Seite 124-133];

Erdmann, Ines; Dieterich, Daniela C. [GutachterIn]

Deciphering proteome dynamics using cell-type selective metabolic protein labeling in the fruit fly *Drosophila*

melanogaster. - Magdeburg, 2016; X, 117 Blätter: Illustrationen
[Literaturverzeichnis: Blatt 93-105];

Hradsky, Johannes Vincenz; Gundelfinger, Eckart [GutachterIn]

Characterization of membrane insertion and membranal functions of the neuronal Calcium Binding Proteins (nCaBPs) Calneuron-1 and -2. - Magdeburg, 2016; 123 Seiten: Illustrationen
[Literaturverzeichnis: Seite 102-111];

Linzke, Nadja; Zenclussen, Ana Claudia [GutachterIn]

Die regulatorische Funktion von HO-1 auf uterine NK Zellen an der feto-maternalen Grenzfläche. - Magdeburg, 2016; 141 Blätter: Illustrationen
[Literaturverzeichnis: Blatt 126-137];

Richter, Anni

Auswirkungen genetischer Variabilität der DRD2-Expression auf motivierte Kontroll-, Lern- und Gedächtnisprozesse des Menschen. - Magdeburg, 2016; 143 Seiten: Illustrationen; 21 cm
[Literaturverzeichnis: Seite 102-118];

Sengupta, Ayan; Hanke, Michael [GutachterIn]

The effect of acquisition resolution and magnetic field strength on multivariate decoding of fMRI. - Magdeburg, 2016; xi, 106 Seiten: Illustrationen
[Literaturverzeichnis: Seite 89-98];

Steffen, Johannes

Analysis of animal models of neurodegenerative diseases with protein deposits. - Magdeburg, 2016; VII, 93 Seiten: Illustrationen, Diagramme
[Literaturverzeichnis: Seite 67-79];

Wernecke, Kerstin; Fendt, Markus [GutachterIn]

Predator odor-induced fear in rats - a behavioral characterization and neural substrate analysis. - Magdeburg, 2016; vii, 125 Blätter: Illustrationen
[Literaturverzeichnis: Blatt 93-110];

Wolter, Juliane; Isermann, Berend [GutachterIn]

A novel function of the endothelial thrombomodulin-protein C system for cellular function in the CNS.
- \$Dissertation\$eOtto-von-Guericke-Universität Magdeburg, Fakultät für Naturwissenschaften\$2016; Magdeburg, 2015; 91 Blätter: Illustrationen, Diagramme; 30 cm
[Literaturverzeichnis: Blatt 76-85];

Zhang, Bin; Walter, Martin [GutachterIn]

Investigation of brain function in neuropsychiatric disorder using multimodal imaging analysis. - Magdeburg, 2015; 97 Blätter: Illustrationen
[Literaturverzeichnis: Blatt 77-86];

INSTITUT FÜR THEORETISCHE PHYSIK

Universitätsplatz 2, 39106 Magdeburg,
Tel. +49 (0)391 67 18670, Fax +49 (0)391 67 11217
itp@uni-magdeburg.de

1. Leitung

Prof. Dr. rer. nat. habil. Jan Wiersig (geschäftsführender Leiter)

2. Veröffentlichungen

Begutachtete Zeitschriftenaufsätze

Debierre, Jean-Marc; Guérin, Rahma; Kassner, Klaus

Phase-field study of crystal growth in three-dimensional capillaries - effects of crystalline anisotropy
In: Physical review. - Woodbury, NY: Inst; Vol. 94.2016, 1, Art. 013001; <http://dx.doi.org/10.1103/PhysRevE.94.013001>;
[Imp.fact.: 2,252]

Fanaei, M.; Foerster, Alexander; Leymann, Alexander; Wiersig, Jan

Effect of direct dissipative coupling of two competing modes on intensity fluctuations in a quantum-dot-microcavity laser
In: Physical review. - Woodbury, NY: Inst; Vol. 94.2016, Art. 043814; <http://dx.doi.org/10.1103/PhysRevA.94.043814>;
[Imp.fact.: 2,765]

Farnell, D. J. J.; Götze, O.; Richter, Johannes

Ground-state ordering of the $J_1 J_2$ model on the simple cubic and body-centered cubic lattices
In: Physical review. - Woodbury, NY: Inst; Vol. 93.2016, 23, Art. 235123; <http://dx.doi.org/10.1103/PhysRevB.93.235123>;
[Imp.fact.: 3,718]

Foerster, Alexander; Leymann, H. A. M.; Wiersig, Jan

Computer-aided cluster expansion - an efficient algebraic approach for open quantum many-particle systems
In: Computer physics communications: an international journal for computational physics and physical chemistry.
- Amsterdam: North Holland Publ. Co, 2016; <http://dx.doi.org/10.1016/j.cpc.2016.10.010>;
[Imp.fact.: 1,890]

Götze, Oliver; Richter, Johannes

The route to magnetic order in the spin-1/2 kagome Heisenberg antiferromagnet: The role of interlayer coupling
In: epl: a letters journal exploring the frontiers of physics. - Les Ulis: EDP Sciences; Vol. 114.2016, 6, Art. 67004,
insgesamt 7 S.;
[Imp.fact.: 1,963]

Götze, Oliver; Richter, Johannes; Zinke, Ronald; Farnell, D. J. J.

Ground-state properties of the triangular-lattice Heisenberg antiferromagnet with arbitrary spin quantum number s
In: Journal of magnetism and magnetic materials: MMM. - Amsterdam: North-Holland Publ. Co, Bd. 397.2016, S. 333-341;
[Imp.fact.: 1,970]

Jahnke, Frank; Gies, Christopher; Aßmann, Marc; Bayer, Manfred; Leymann, H. A. M.; Foerster, Alexander; Wiersig, Jan;

Schneider, Christian; Kamp, Martin; Höfling, Sven

Giant photon bunching, superradiant pulse emission and excitation trapping in quantum-dot nanolasers
In: Nature Communications. - London: Nature Publishing Group; Vol. 7.2016, Art. 11540; <http://dx.doi.org/10.1038/ncomms11540>;
[Imp.fact.: 11,470]

Janson, O.; Furukawa, S.; Momoi, T.; Sindzingre, P.; Richter, Johannes; Held, K.

Magnetic behavior of volborthite Cu₃V₂O₇(OH)·2H₂O determined by coupled trimers rather than frustrated chains
In: Physical review letters. - College Park, Md: APS; Vol. 117. 2016, 3, Art. 037206; <http://dx.doi.org/10.1103/PhysRevLett.117.037206>;
[Imp.fact.: 7,645]

John, Thomas; Pietschmann, Dirk; Becker, Volker; Wagner, Christian

Deconvolution of time series in the laboratory
In: American journal of physics online: AJP; devoted to the instructional and cultural aspects of physical science.
- College Park, Md: Inst, Bd. 84.2016, 10, S. 752-763;
[Imp.fact.: 1,012]

Kraft, Marcus; Wiersig, Jan

Inverse problem for light emission from weakly deformed microdisk cavities
In: Physical review. - Woodbury, NY: Inst; Vol. 94.2016, 1, Art. 013851; <http://dx.doi.org/10.1103/PhysRevA.94.013851>;
[Imp.fact.: 2,765]

Kullig, Julius; Wiersig, Jan

Frobenius-Perron eigenstates in deformed microdisk cavities - non-Hermitian physics and asymmetric backscattering in ray dynamics
In: New journal of physics: the open-access journal for physics. - [Bad Honnef]: Dt. Physikalische Ges, Bd. 18.2016, insges. 13 S.;
[Art. 015005];
[Imp.fact.: 3,558]

Kullig, Julius; Wiersig, Jan

Perturbation theory for asymmetric deformed microdisk cavities
In: Physical review. - Woodbury, NY: Inst; Vol. 94. 2016, 4, Art. 043850; <http://dx.doi.org/10.1103/PhysRevA.94.043850>;
[Imp.fact.: 2,765]

Kullig, Julius; Wiersig, Jan

Q spoiling in deformed optical microdisks due to resonance-assisted tunneling
In: Physical review. - Woodbury, NY: Inst; Vol. 94.2016, 2, Art. 022202; <http://dx.doi.org/10.1103/PhysRevE.94.022202>;
[Imp.fact.: 2,252]

Mertig, Normann; Kullig, Julius; Löbner, Clemens; Bäcker, Arnd; Ketzmerick, Roland

Perturbation-free prediction of resonance-assisted tunneling in mixed regular-chaotic systems
In: Physical review. - Woodbury, NY: Inst; Vol. 94.2016, 6, Art. 062220; <http://dx.doi.org/10.1103/PhysRevE.94.062220>;
[Imp.fact.: 2,252]

Müller, Patrick; Richter, Johannes; Derzhko, Oleg

Hubbard models with nearly flat bands - ground-state ferromagnetism driven by kinetic energy
In: Physical review. - Woodbury, NY: Inst; Vol. 93.2016, 14, Art. 144418; <http://dx.doi.org/10.1103/PhysRevB.93.144418>;
[Imp.fact.: 3,736]

Packebusch, Tom; Mertens, Stephan

Low autocorrelation binary sequences
In: Journal of physics / A. - Bristol: IOP Publ; Vol. 49.2016, 16, Art. 165001, insgesamt 18 S.;
[Imp.fact.: 1,583]

Peng, Bo; Özdemir, ahin Kaya; Liertzer, Matthias; Chen, Weijian; Kramer, Johannes; Yilmaz, Huzeyfe; Wiersig, Jan; Rotter, Stefan; Yang, Lan

Chiral modes and directional lasing at exceptional points

In: Proceedings of the National Academy of Sciences of the United States of America. - Washington, DC: National Acad. of Sciences, Bd. 113.2016, 25, S. 6845-6850;

[Imp.fact.: 9,423]

Richter, Johannes; Kuzian, Roman; Kuz'min, Michael; Hayn, Roland

Lieb-Mattis ferrimagnetism in diluted magnetic semiconductors

In: Physical review. - Woodbury, NY: Inst; Vol. 93.2016, 21, Art. 214433; <http://dx.doi.org/10.1103/PhysRevB.93.214433>;

[Imp.fact.: 3,736]

Shim, Jeong-Bo; Schlagheck, Peter; Hentschel, Martina; Wiersig, Jan

Nonlinear dynamical tunneling of optical whispering gallery modes in the presence of a Kerr nonlinearity

In: Physical review. - Woodbury, NY: Inst; Vol. 94.2016, 5 Art. 053849; <http://dx.doi.org/10.1103/PhysRevA.94.053849>;

[Imp.fact.: 2,765]

Wiersig, Jan

Sensors operating at exceptional points: General theory

In: Physical review / A. - College Park, Md; Vol. 93.2016, 3, Art. 033809, insgesamt 9 S.;

[Imp.fact.: 2,808]

Zheng, Yan-Zhen; Zhou, Guo-Jun; Richter, Johannes; Schnack, Jürgen

Hydrophobicity-driven self-assembly of an eighteen-membered honeycomb lattice with almost classical spins

In: Chemistry - a European journal. - Weinheim: Wiley-VCH, 2016; <http://dx.doi.org/10.1002/chem.201603559>;

[Imp.fact.: 5,771]

Dissertationen

Leymann, Heinrich Alexander Magnus; Wiersig, Jan [GutachterIn]

Theory of many-particle correlations and optical properties of semiconductor quantum dots - photons and quantum

dots. - \$Dissertation\$eOtto-von-Guericke-Universität Magdeburg, Fakultät für Naturwissenschaften\$f2016; Magdeburg; i, 178 Seiten: Illustrationen; 21 cm

[Literaturverzeichnis: Seite 153-172];

INSTITUT FÜR EXPERIMENTELLE PHYSIK

Universitätsplatz 2, 39106 Magdeburg
Tel. +49 (0)391 67 58674, Fax +49 (0)391 67 18108
iep@uni-magdeburg.de

1. Leitung

Prof. Dr. rer. nat. habil. Rüdiger Goldhahn (geschäftsführender Leiter)
Prof. Dr. rer. nat. habil. Jürgen Christen
Prof. Dr. rer. nat. habil. Oliver Speck
Prof. Dr. rer. nat. habil. Ralf Stannarius
Prof. Dr. rer. nat. André Strittmatter (seit 12/2016)
Prof.in Dr.in rer. nat. habil. Dana Zöllner (Dorothea-Erxleben-Gastprofessur - bis 09/2016)
Dr. rer. nat. Peter Veit
Dr. rer. nat. Hartmut Witte

2. Veröffentlichungen

Begutachtete Zeitschriftenaufsätze

Acosta-Cabronero, Julio; Betts, Matthew J.; Cardenas-Blanco, Arturo; Yang, Shan; Nestor, Peter J.

In vivo MRI mapping of brain iron deposition across the adult lifespan
In: The journal of neuroscience: the official journal of the Society for Neuroscience. - Washington, DC: Soc, Bd. 36.2016, 2, S. 364-374;
[Imp.fact.: 6,300]

Alvarado Perea, L.; Wolff, T.; Veit, Peter; Hilfert, Liane; Edelmann, Frank T.; Hamel, Christof; Seidel-Morgenstern, Andreas

Corrigendum to "Alumino-mesostructured Ni catalysts for the direct conversion of ethene to propene" [J. Catal. 305 (2013) 154168]
In: Journal of catalysis. - Amsterdam [u.a.]: Elsevier, Bd. 336.2016, S. 134;
[Imp.fact.: 6,921]

Ashour, Ahmed; Wegner, Sandra; Trittel, Torsten; Borzsonyi, Tamas; Stannarius, Ralf

Outflow and clogging of shape-anisotropic grains in hoppers with small apertures
In: Soft matter. - London: Royal Soc. of Chemistry, 2016; <http://dx.doi.org/10.1039/C6SM02374F>;
[Imp.fact.: 3,798]

Berger, Christoph; Lesnik, Andreas; Zettler, Thomas; Schmidt, Gordon; Veit, Peter; Dadgar, Armin; Bläsing, Jürgen; Christen, Jürgen; Strittmatter, André

Metalorganic chemical vapor phase epitaxy of narrow-band distributed Bragg reflectors realized by GaN:Ge modulation doping
In: Journal of crystal growth. - Amsterdam [u.a.]: Elsevier, Bd. 440.2016, S. 6-12;
[Imp.fact.: 1,698]

Börzsönyi, Tamás; Somfai, Ellák; Szabó, Balázs; Wegner, Sandra; Mier, Pascal; Rose, Georg; Stannarius, Ralf

Packing, alignment and flow of shape-anisotropic grains in a 3D silo experiment
In: New journal of physics: the open-access journal for physics. - [Bad Honnef]: Dt. Physikalische Ges; Vol. 18.2016, Art.

093017, insgesamt 10 S.;

[Imp.fact.: 3,570]

Budnik, U.; Hindi-Attar, C.; Hamburger, K.; Pinna, B.; Hennig, J.; Speck, Oliver

Perceptual experience of visual motion activates hMT+ independently from the physical reality - fMRI insights from the looming pinna figure

In: Perception. - London: Sage, Bd. 45.2016, 11, S. 1211-1221;

[Imp.fact.: 0,917]

Contreras, O.; Ruiz-Zepeda, F.; Avalos-Borja, M.; Dadgar, Armin; Krost, Alois

Termination of hollow core nanopipes in GaN by an AlN interlayer

In: Journal of crystal growth. - Amsterdam [u.a.]: Elsevier, Bd. 455.2016, S. 43-48;

[Imp.fact.: 1,462]

Demchenko, D. O.; Izyumskaya, N.; Feneberg, Martin; Avrutin, V.; Özgür, Ü.; Goldhahn, Rüdiger; Morkoç, H.

Optical properties of the organic-inorganic hybrid perovskite CH₃NH₃PbI₃ - theory and experiment

In: Physical review. - Woodbury, NY: Inst, Bd. 94.2016, 7;

[Imp.fact.: 3,718]

Eremin, Alexey; Geng, Yong; Stannarius, Ralf; Ostapenko, T.; Challa, P. K.; Gleeson, J. T.; Jákli, A.; Klein, S.

Peculiarities of the magneto-optical response in dispersions of anisometric pigment nano-particles

In: RSC Advances: an international journal to further the chemical sciences. - London: RSC Publishing, Bd. 6.2016, 84, S. 80666-80669;

[Imp.fact.: 3,289]

Fariza, Aqdas; Lesnik, Andreas; Bläsing, Jürgen; Hoffmann, Marc P.; Hörich, Florian; Veit, Peter; Witte, Hartmut; Dadgar, Armin; Strittmatter, André

On reduction of current leakage in GaN by carbon-doping

In: Applied physics letters. - Melville, NY: American Inst. of Physics; Vol. 109.2016, 21, Art. 212102, insgesamt 5 S.;

[Imp.fact.: 3,142]

Fatahi, Mahsa; Demenescu, Liliana Ramona; Speck, Oliver

Subjective perception of safety in healthy individuals working with 7 T MRI scanners - a retrospective multicenter survey

In: Magnetic resonance materials in physics, biology and medicine: (MAGMA): the official journal of the European Society for Magnetic Resonance in Medicine and Biology (ESMRMB). - Heidelberg: Springer, Bd. 29.2016, 3, S. 379-387;

[Imp.fact.: 2,638]

Fatahi, Mahsa; Reddig, Annika; Friebe, Björn; Hartig, Roland; Prihoda, Thomas J.; Ricke, Jens; Roggenbuck, Dirk; Reinhold, Dirk; Speck, Oliver

DNA double-strand breaks and micronuclei in human blood lymphocytes after repeated whole body exposures to 7T Magnetic Resonance Imaging

In: NeuroImage: a journal of brain function. - Orlando, Fla: Academic Press, Bd. 133.2016, S. 288-293;

[Imp.fact.: 5,463]

Feneberg, Martin; Nixdorf, Jakob; Lidig, Christian; Goldhahn, Rüdiger; Galazka, Zbigniew; Bierwagen, Oliver; Speck, James S.

Many-electron effects on the dielectric function of cubic In₂O₃ - effective electron mass, band nonparabolicity, band gap renormalization, and Burstein-Moss shift

In: Physical review. - Woodbury, NY: Inst, Bd. 93.2016, 4;

[Artikel-Nr. 045203];

[Imp.fact.: 3,736]

Fiederer, L. D. J.; Vorwerk, J.; Lucka, F.; Dannhauer, M.; Yang, Shan; Dümpelmann, M.; Schulze-Bonhage, A.; Aertsen, A.; Speck, Oliver; Wolters, C. H.; Ball, T.

The role of blood vessels in high-resolution volume conductor head modeling of EEG

In: NeuroImage: a journal of brain function. - Orlando, Fla: Academic Press, Bd. 128.2016, S. 193-208;

[Imp.fact.: 5,463]

Finger, Tilo; Rüling, Florian von; Lévy, Sára; Szabó, Bence; Börzsönyi, Tamás; Stannarius, Ralf

Segregation of granular mixtures in a spherical tumbler

In: Physical review / E. - College Park, Md: APS; Vol. 93.2016, 3, Art. 032903; <http://dx.doi.org/10.1103/PhysRevE.93.032903>;

PhysRevE.93.032903;

[Imp.fact.: 2,288]

Fischer, David; Börzsönyi, Tamás; Nasato, Daniel S.; Pöschel, Thorsten; Stannarius, Ralf

Heaping and secondary flows in sheared granular materials

In: New journal of physics: the open-access journal for physics. - [Bad Honnef]: Dt. Physikalische Ges; Vol. 18.2016, 11,

Art. 113006; <http://dx.doi.org/10.1088/1367-2630/18/11/113006>;

[Imp.fact.: 3,570]

Freytag, Stefan; Feneberg, Martin; Berger, Christoph; Bläsing, Jürgen; Dadgar, Armin; Callsen, Gordon; Hoffmann, Axel; Bokov, Pavel; Goldhahn, Rüdiger

Unintentional indium incorporation into barriers of InGaN/GaN multiple quantum wells studied by photoreflectance and photoluminescence excitation spectroscopy

In: Journal of applied physics: AIP's archival journal for significant new results in applied physics. - Melville, NY:

American Inst. of Physics; Vol. 120.2016, 1, Art. 015703; <http://dx.doi.org/10.1063/1.4955426>;

[Imp.fact.: 2,183]

Ga evi , Ž.; Vukmirovi , N.; García-Lepetit, N.; Torres-Pardo, A.; Müller, M.; Metzner, Sebastian; Albert, S.; Bengoechea-Encabo, A.; Bertram, Frank; Veit, Peter; Christen, Jürgen; González-Calbet, J. M.; Calleja, E.

Influence of composition, strain, and electric field anisotropy on different emission colors and recombination dynamics from InGaN nanodisks in pencil-like GaN nanowires

In: Physical review. - Woodbury, NY: Inst; Vol. 93.2016, 12-15, Art. 125436; <http://dx.doi.org/10.1103/PhysRevB.93.125436>;

[Imp.fact.: 3,736]

Godenschweger, Frank; Kägebein, Urte; Stucht, Daniel; Yarach, Uten; Sciarra, Alessandro; Yakupov, Renat; Lüsebrink, Falk; Schulze, Peter; Speck, Oliver

Motion correction in MRI of the brain

In: Physics in medicine and biology: an official journal of the Institute of Physics and Engineering in Medicine. - Bristol:

IOP Publ; Vol. 61.2016, 5, S. R32-R56;

[Imp.fact.: 2,811]

Goll, Christina; Thormann, Markus; Hofmüller, Wolfram; Friebe, Björn; Behrens-Baumann, Wolfgang; Bley, Thorsten A.; Hoffmann, Michael B.; Speck, Oliver

Feasibility study - 7 T MRI in giant cell arteritis

In: Graefe's archive for clinical and experimental ophthalmology: official organ of the Club Jules Gonin. - Berlin:

Springer, Bd. 254.2016, 6, S. 1111-1116;

[Imp.fact.: 1,991]

Harth, Kirsten; Bruckner, Johanna

First joint conference of the British and the German Liquid Crystal Societies

In: Liquid crystals today: the newsletter of the International Liquid Crystal Society. - London [u.a.]: Taylor and Francis,

Bd. 25.2016, 3, S. 64-65;

Kredentser, S.; Eremin, Alexey; Davidson, P.; Reshetnyak, V.; Stannarius, Ralf; Reznikov, Y.

Light-induced Soret effect and adsorption of nanocrystals in organic solvents

In: The European physical journal / E. - Berlin: Springer, Bd. 39.2016, 3;

[Imp.fact.: 1,757]

Lesnik, Andreas; Hoffmann, Marc P.; Fariza, Aqdas; Bläsing, Jürgen; Witte, Hartmut; Veit, Peter; Hörich, Florian;

Berger, Christoph; Hennig, Jonas; Dadgar, Armin; Strittmatter, André

Properties of C-doped GaN

In: *Physica status solidi / B*. - Weinheim: Wiley-VCH, insges. 7 S., 2016;

[Imp.fact.: 1,469]

Leute, Robert A. R.; Heinz, Dominik; Wang, Yunjun; Meisch, Tobias; Müller, Mathias; Schmidt, Gordon; Metzner, Sebastian; Veit, Peter; Bertram, Frank; Christen, Jürgen; Martens, Martin; Wernicke, Tim; Kneissl, Michael; Jenisch, Stefan; Strehle, Steffen; Rettig, Oliver; Thonke, Klaus; Scholz, Ferdinand

Embedded GaN nanostripes on c-sapphire for DFB lasers with semipolar quantum wells

In: *Physica status solidi / B*. - Weinheim: Wiley-VCH, Bd. 253.2016, 1, S. 180-185;

[Imp.fact.: 1,469]

Leutritz, Tobias; Hilfert, Liane; Busse, Ulrich; Smalla, K.-H.; Speck, Oliver; Zhong, K.

Contribution of iron and protein contents from rat brain subcellular fractions to MR phase imaging

In: *Magnetic resonance in medicine: MRM; an official journal of the International Society for Magnetic Resonance in Medicine*. - New York, NY [u.a.]: Wiley-Liss, 2016; <http://dx.doi.org/10.1002/mrm.26288>;

[Imp.fact.: 3,782]

Loitsch, Bernhard; Müller, Marcus; Winnerl, Julia; Veit, Peter; Rudolph, Daniel; Abstreiter, Gerhard; Finley, Janathan J.; Bertram, Frank; Christen, Jürgen; Koblmüller, Gregor

Microscopic nature of crystal phase quantum dots in ultrathin GaAs nanowires by nanoscale luminescence characterization

In: *New journal of physics: the open-access journal for physics*. - [Bad Honnef]: Dt. Physikalische Ges, Bd. 18.2016, 6, insges. 11 S.;

[Imp.fact.: 3,570]

López, D. O.; Robles-Hernández, B.; Salud, J.; Fuente, M. R. de la; Sebastián, Nerea; Diez-Berart, S.; Jaen, X.; Dunmur, D. A.; Luckhurst, G. R.

Miscibility studies of two twist-bend nematic liquid crystal dimers with different average molecular curvatures - a comparison between experimental data and predictions of a Landau mean-field theory for the NTB-N phase transition

In: *Physical chemistry, chemical physics: PCCP; a journal of European chemical societies*. - Cambridge: RSC Publ, Bd. 18.2016, 6, S. 4394-4404;

[Imp.fact.: 4,493]

May, Kathrin; Eremin, Alexey; Stannarius, Ralf; Peroukidis, Stavros D.; Klapp, Sabine H. L.; Klein, Susanne

Colloidal suspensions of rodlike nanocrystals and magnetic spheres under an external magnetic stimulus - experiment and molecular dynamics simulation

In: *Langmuir: the ACS journal of surfaces and colloids*. - Washington, DC: ACS Publ, Bd. 32.2016, 10, S. 5085-5093;

[Imp.fact.: 3,993]

May, Kathrin; Eremin, Alexey; Stannarius, Ralf; Szabó, Balázs; Börzsönyi, Tamás; Appel, Ingo; Behrens, Silke; Klein, Susanne

Exceptionally large magneto-optical response in dispersions of plate-like nanocrystallites and magnetic nanoparticles

In: *Journal of magnetism and magnetic materials: MMM*. - Amsterdam: North-Holland Publ. Co, 2016; <http://dx.doi.org/10.1016/j.jmmm.2016.07.053>;

[Imp.fact.: 2,357]

Metzner, Sebastian; Bertram, Frank; Hempel, Thomas; Meisch, Tobias; Schwaiger, Stephan; Scholz, Ferdinand; Christen, Jürgen

Direct microscopic correlation of real structure and optical properties of semipolar GaN based on pre-patterned r-plane sapphire

In: *Physica status solidi / B*. - Weinheim: Wiley-VCH, Bd. 253.2016, 1, S. 54-60;

[Imp.fact.: 1,469]

Minj, A.; Romero, M. F.; Wang, Y.; Tuna, Ö.; Feneberg, Martin; Goldhahn, Rüdiger; Schmerber, G.; Ruterana, P.; Giesen,

C.; Heuken, M.

Stimulated emission via electron-hole plasma recombination in fully strained single InGaN/GaN heterostructures
In: Applied physics letters. - Melville, NY: American Inst. of Physics; Vol. 109.2016, 22, Art. 221106; <http://dx.doi.org/10.1063/1.4968799>;
[Imp.fact.: 3,142]

Mohajerani, Martin Sadat; Müller, Marcus; Hartmann, Jana; Zhou, Hao; Wehmann, Hergo-H.; Veit, Peter; Bertram, Frank; Christen, Jürgen; Waag, Andreas

Direct correlations of structural and optical properties of three-dimensional GaN/InGaN core/shell micro-light emitting diodes
In: Japanese journal of applied physics: JJAP. - Bristol: IOP Publ; Vol. 55.2016, 5S, Art. 05FJ09, insgesamt 5 S.;
[Imp.fact.: 1,127]

Monavarian, Morteza; Izyumskaya, Natalia; Müller, Marcus; Metzner, Sebastian; Veit, Peter; Can, Nuri; Das, Saikat; Özgür, Ümit; Bertram, Frank; Christen, Jürgen; Morkoç, Hadis; Avrutin, Vitaly

Improvement of optical quality of semipolar (1122) GaN on m-plane sapphire by in-situ epitaxial lateral overgrowth
In: Journal of applied physics: AIP's archival journal for significant new results in applied physics. - Melville, NY: American Inst. of Physics; Vol. 119.2016, 14, Art. 145303, insgesamt 7 S.;
[Imp.fact.: 2,183]

Müller, Marcus; Schmidt, Gordon; Metzner, Sebastian; Veit, Peter; Bertram, Frank; Krylyuk, Sergiy; Debnath, Ratan; Ha, Jong-Yoon; Wen, Baomei; Blanchard, Paul; Motayed, Abhishek; King, Matthew R.; Davydov, Albert V.; Christen, Jürgen

Structural and optical nanoscale analysis of GaN core-shell microrod arrays fabricated by combined top-down and bottom-up process on Si(111)
In: Japanese journal of applied physics: JJAP. - Bristol: IOP Publ; Vol. 55.2016, 5S, Art. 05FF02, insgesamt 6 S.;
[Imp.fact.: 1,127]

Müller, Marcus; Schmidt, Gordon; Metzner, Sebastian; Veit, Peter; Bertram, Frank; Leute, Robert Anton Richard; Heinz, Dominic; Wang, Junjun; Meisch, Tobias; Scholz, Ferdinand; Christen, Jürgen

Nanoscale cathodoluminescence imaging of III-nitride-based LEDs with semipolar quantum wells in a scanning transmission electron microscope
In: Physica status solidi / B. - Weinheim: Wiley-VCH, Bd. 253.2016, 1, S. 112-117;
[Imp.fact.: 1,469]

Müller, Markus; Veit, Peter; Krause, Florian F.; Schimpke, Tilman; Metzner, Sebastian; Bertram, Frank; Mehrtens, Thorsten; Müller-Caspary, Knut; Avramescu, Adrian; Strassburg, Martin; Rosenauer, Andreas; Christen, Jürgen

Nanosopic insights into InGaN/GaN core-shell nanorods - structure, composition, and luminescence
In: Nano letters: a journal dedicated to nanoscience and nanotechnology. - Washington, DC: ACS Publ, Bd. 16.2016, 9, S. 5340-5346;
[Imp.fact.: 13,779]

Neugebauer, Silvio; Metzner, Sebastian; Bläsing, Jürgen; Bertram, Frank; Dadgar, Armin; Christen, Jürgen; Strittmatter, André

Polarization engineering of c-plane InGaN quantum wells by pulsed-flow growth of AlInGaN barriers
In: Physica status solidi / B. - Weinheim: Wiley-VCH, Bd. 253.2016, 1, S. 118-125;
[Imp.fact.: 1,469]

Neumann, M. D.; Esser, N.; Chauveau, J.-M.; Goldhahn, Rüdiger; Feneberg, Martin

Inversion of absorption anisotropy and bowing of crystal field splitting in wurtzite MgZnO
In: Applied physics letters. - Melville, NY: American Inst. of Physics; Vol. 108.2016, 22, Art. 221105, insgesamt 6 S.;
[Imp.fact.: 3,302]

Porjai, Porramain; Sutthiopad, Malee; Luengviriyi, Jiraporn; Phantu, Metinee; Müller, Stefan; Luengviriyi, Chaiya

Electrically forced unpinning of spiral waves from circular and rectangular obstacles
In: Chemical physics letters. - Amsterdam [u.a.]: Elsevier, Bd. 660.2016, S. 283-286;
[Imp.fact.: 1,860]

Robles-Hernández, Beatriz; Sebastián, Nerea; Salud, Josep; Diez-Berart, Sergio; Dunmur, David A.; Luckhurst, Geoffrey R.; López, David O.; Fuente, M. Rosario de la

Molecular dynamics of a binary mixture of twist-bend nematic liquid crystal dimers studied by dielectric spectroscopy
In: Physical review. - Woodbury, NY: Inst; Vol. 93.2016, 6, Art. 062705; <http://dx.doi.org/10.1103/PhysRevE.93.062705>;
[Imp.fact.: 2,252]

Salili, S. M.; Ostapenko, T.; Kress, O.; Bailey, C.; Weissflog, W.; Harth, Kirsten; Eremin, Alexey; Stannarius, Ralf; Jákli, A.

Rupture and recoil of bent-core liquid crystal filaments
In: Soft matter. - London: Royal Soc. of Chemistry, Bd. 21.2016, 12, S. 4725-2730;
[Imp.fact.: 3,798]

Salili, S. M.; Tamba, MMaria-Gabriela; Sprunt, S. N.; Welch, C.; Mehl, G. H.; Jákli, A.; Gleeson, J. T.

Anomalous increase in nematic-isotropic transition temperature in dimer molecules induced by a magnetic field
In: Physical review letters. - College Park, Md: APS; Vol. 116. 2016, 21, Art. 217801; <http://dx.doi.org/10.1103/PhysRevLett.116.217801>;
[Imp.fact.: 7,645]

Schimpke, Tilman; Mandl, Martin; Stoll, Ion; Pohl-Klein, Bianca; Bichler, Daniel; Zwaschka, Franz; Strube-Knyrim, Johanna; Huckenbeck, Barbara; Max, Benjamin; Müller, Marcus; Veit, Peter; Bertram, Frank; Christen, Jürgen; Hartmann, Jana; Waag, Andreas; Lugauer, Hans-Jürgen; Strassburg, Martin

Phosphor-converted white light from blue-emitting InGaN microrod LEDs
In: Physica status solidi / A. - Weinheim: Wiley-VCH, Bd. 213.2016, 6, S. 1577-1584;

Schlehahn, A.; Schmidt, R.; Hopfmann, C.; Schulze, J.-H.; Strittmatter, André; Heindel, T.; Gantz, L.; Schmidgall, E. R.; Gershoni, D.; Reitzenstein, S.

Generating single photons at gigahertz modulation-speed using electrically controlled quantum dot microlenses
In: Applied physics letters. - Melville, NY: American Inst. of Physics, Bd. 108.2016, 2, insges. 6 S.;
[Artikel 021104];
[Imp.fact.: 3,302]

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

Clustered quantum dots in single GaN islands formed at threading dislocations
In: Japanese journal of applied physics: JJAP. - Bristol: IOP Publ; Vol. 55.2016, 5S, Art. 05FF04, insgesamt 5 S.;
[Imp.fact.: 1,127]

Schmidt, Gordon; Veit, Peter; Wieneke, Matthias; Bertram, Frank; Dadgar, Armin; Krost, Alois; Christen, Jürgen

Nanoscale cathodoluminescence of stacking faults and partial dislocations in a-plane GaN
In: Physica status solidi / B. - Weinheim: Wiley-VCH, Bd. 253.2016, 1, S. 73-77;
[Imp.fact.: 1,469]

Sebastián, N.; Tamba, M. G.; Stannarius, Ralf; Fuente, M. R. de la; Salamonczyk, M.; Cukrov, G.; Gleeson, J.; Sprunt, S.; Jákli, A.; Welch, C.; Ahmed, Z.; Mehl, G. H.; Eremin, Alexey

Mesophase structure and behaviour in bulk and restricted geometry of a dimeric compound exhibiting a nematic-nematic transition
In: Physical chemistry, chemical physics: PCCP; a journal of European chemical societies. - Cambridge: RSC Publ, Bd. 28.2016, S. 19299-19308;
[Imp.fact.: 4,449]

Sebastián, Nerea; Robles-Hernández, B.; Diez-Berart, S.; Salud, J.; Luckhurst, G. R.; Dunmur, D. A.; López, D. O.; Fuente, M. R. de la

Distinctive dielectric properties of nematic liquid crystal dimers
In: Liquid crystals: an international journal of science and technology. - London [u.a.]: Taylor and Francis, insges. 14 S., 2016;

Stannarius, Ralf; Harth, Kirsten

Defect interactions in anisotropic two-dimensional fluids

In: Physical review letters. - College Park, Md: APS; Vol. 117.2016, 15, Art. 157801; <http://dx.doi.org/10.1103/PhysRevLett.117.157801>;

[Imp.fact.: 7,645]

Storozhenko, A. M.; Stannarius, Ralf; Tantsyura, A. O.; Shabanova, I. A.

Measurement of the torque on diluted ferrofluid samples in rotating magnetic fields

In: Journal of magnetism and magnetic materials: MMM. - Amsterdam: North-Holland Publ. Co, 2016; <http://dx.doi.org/10.1016/j.jmmm.2016.09.036>;

[Imp.fact.: 2,357]

Streitenberger, Peter; Zöllner, Dana

Coarsening kinetics and the envelope theorem

In: Acta materialia. - Amsterdam [u.a.]: Elsevier Science, Bd. 111.2016, S. 210-219;

[Imp.fact.: 3,333]

Tabataba-Vakili, Farsane; Wunderer, Thomas; Kneissl, Michael; Yang, Zhihong; Teepe, Mark; Batres, Max; Feneberg, Martin; Vancil, Bernard; Johnson, Noble M.

Dominance of radiative recombination from electron-beam-pumped deep-UV AlGaIn multi-quantum-well heterostructures

In: Applied physics letters. - Melville, NY: American Inst. of Physics; Vol. 109.2016, 18, Art. 181105; <http://dx.doi.org/10.1063/1.4967220>;

[Imp.fact.: 3,142]

Voelker, Maximilian N.; Kraff, Oliver; Brenner, Daniel; Wollrab, Astrid; Weinberger, Oliver; Berger, Moritz C.; Robinson, Simon; Bogner, Wolfgang; Wiggins, Christopher; Trampel, Robert; Stöcker, Tony; Niendorf, Thoralf; Quick, Harald H.; Norris, David G.; Ladd, Mark E.; Speck, Oliver

The traveling heads - multicenter brain imaging at 7 Tesla

In: Magnetic resonance materials in physics, biology and medicine: (MAGMA): the official journal of the European Society for Magnetic Resonance in Medicine and Biology (ESMRMB). - Heidelberg: Springer, Bd. 29.2016, 3, S. 399-415;

[Imp.fact.: 2,638]

Wagner, J.; Wächter, C.; Wild, J.; Müller, M.; Metzner, Sebastian; Veit, Peter; Schmidt, Gordon; Jetter, M.; Bertram, Frank; Zweck, J.; Christen, Jürgen; Michler, P.

Defect reduced selectively grown GaN pyramids as template for green InGaIn quantum wells

In: Physica status solidi / B. - Weinheim: Wiley-VCH, Bd. 253.2016, 1, S. 67-72;

[Imp.fact.: 1,469]

Waxmann, Patrick; Mekle, Ralf; Schubert, Florian; Brühl, Rüdiger; Kuehne, Andre; Lindel, Tomasz D.; Seifert, Frank; Speck, Oliver; Ittermann, Bernd

A new sequence for shaped voxel spectroscopy in the human brain using 2D spatially selective excitation and parallel transmission

In: NMR in biomedicine: an international journal devoted to the development and application of magnetic resonance in vivo. - New York, NY: Wiley, Bd. 29.2016, 8, S. 1028-1037;

[Imp.fact.: 2,983]

Wu, Wenchuan; Poser, Benedikt A.; Douaud, Gwenaelle; Frost, Robert; In, Myung-Ho; Speck, Oliver; Koopmans, Peter J.; Miller, Karla L.

High-resolution diffusion MRI at 7T using a three-dimensional multi-slab acquisition

In: NeuroImage: a journal of brain function. - Orlando, Fla: Academic Press, Bd. 143.2016, S. 1-14;

[Imp.fact.: 5,463]

Xie, Yong; Madel, Manfred; Feneberg, Martin; Neuschl, Benjamin; Jie, Wanqi; Hao, Yue; Ma, Xiaohua; Thonke, Klaus

Oxygen vacancies induced DX center and persistent photoconductivity properties of high quality ZnO nanorods

In: Materials Research Express: MRX. - Bristol: IOP Publ; Vol. 3.2016, 4, Art. 045011, insgesamt 7 S.;

Yarach, Uten; Luengviriya, Chaiya; Stucht, Daniel; Godenschweger, Frank; Schulze, Peter; Speck, Oliver

Correction of B₀-induced geometric distortion variations in prospective motion correction for 7T MRI

In: Magnetic resonance materials in physics, biology and medicine: (MAGMA): the official journal of the European Society for Magnetic Resonance in Medicine and Biology (ESMRMB). - Heidelberg: Springer, Bd. 29.2016, 3, S. 319-332; [Imp.fact.: 2,638]

Zöllner, Dana

Grain microstructural evolution in 2D and 3D polycrystals under triple junction energy and mobility control

In: Computational materials science. - Amsterdam [u.a.]: Elsevier Science, Bd. 118.2016, S. 325-337; [Imp.fact.: 1,643]

Zöllner, Dana

Treating grain growth in thin films in three dimensions: A simulation study

In: Computational materials science. - Amsterdam [u.a.]: Elsevier Science, Bd. 125.2016, S. 51-60; [Imp.fact.: 2,086]

Zöllner, Dana; Streitenberger, Peter; Rios, P. R.

Shedding some light on the early grain growth regime - about the effect of the initial microstructure on normal grain growth

In: Computational materials science. - Amsterdam [u.a.]: Elsevier Science, Bd. 113.2016, S. 11-20; [Imp.fact.: 2,131]

Begutachtete Buchbeiträge

Klein, Susanne; Richardson, Robert M.; Eremin, Alexey

Liquid crystalline phases in suspensions of pigments in non-polar solvents

In: Liquid crystals with nano and microparticles; Vol. 1. - [Hackensack] New Jersey]: World Scientific, S. 847-870, 2016 - (Series in Soft Condensed Matter; Volume 7);

Stannarius, Ralf; Harth, Kirsten

Inclusions in freely suspended smectic films

In: Liquid crystals with nano and microparticles; Vol. 1. - [Hackensack] New Jersey]: World Scientific, S. 361-412, 2016;

Streitenberger, Peter; Zöllner, Dana

Enveloppen-Methode zur Auswertung von Größenverteilungen bei Vergrößerungsprozessen

In: Fortschritte in der Metallographie: [Vortragstexte der 50. Metallographie-Tagung, 21. - 23. September 2016 in Berlin]. - Sankt Augustin: Inventum GmbH, S. 235-240

[Kongress: 50. Metallographie-Tagung, Berlin, 21. - 23. September, 2016];

Streitenberger, Peter; Zöllner, Dana

Self-similar coarsening and the envelope theorem

In: Proceedings of the 6th International Conference on Recrystallization and Grain Growth (ReX&GG 2016). - John Wiley & Sons, S. 23-28

[Kongress: 6th International Conference on Recrystallization and Grain Growth, Pittsburgh, 2016.07.17-21];

Zöllner, Dana

Grain growth

In: Reference Module in Materials Science and Materials Engineering. - Elsevier, 2016; <http://dx.doi.org/10.1016/B978-0-12-803581-8.03158-1>;

Zöllner, Dana; Streitenberger, Peter

Triple junction energy and mobility controlled microstructural evolution in 2D and 3D polycrystals

In: Proceedings of the 6th International Conference on Recrystallization and Grain Growth (ReX&GG 2016). - John Wiley

& Sons, S. 3-8

[Kongress: 6th International Conference on Recrystallization and Grain Growth, Pittsburgh, 2016.07.17-21];

Herausgeberschaften

Langmann, Hanns-Heinrich [HerausgeberIn]; Quaisser, Erhard [HerausgeberIn]; Specht, Eckard [HerausgeberIn]

Bundeswettbewerb Mathematik - die schönsten Aufgaben. - Berlin: Springer Spektrum 2016; 1 Online-Ressource (VIII, 304 Seiten): 280 Illustrationen, ISBN 978-3-662-49540-7;

Abstracts

Hensen, Bennet; Gutberlet, Marcel; Kägebein, Urte; Stucht, Daniel; Speck, Oliver; Wacker, Frank

Implementation and evaluation of wireless video transmission at 1.5T, 3T and 7T

In: 11th International Interventional MRI Symposium: October 07-08, 2016, Baltimore, Maryland. - Baltimore, insges. 3 S.

[Kongress: 11th International Interventional MRI Symposium, Baltimore, Maryland, 07-08 October, 2016];

Kägebein, Urte; Hensen, Bennet; Wacker, Frank; Speck, Oliver

Improved needle guidance for percutaneous MR-guided interventions using an optical moiré phase tracking system

In: 11th International Interventional MRI Symposium: October 07-08, 2016, Baltimore, Maryland. - Baltimore, insges. 2 S.

[Kongress: 11th International Interventional MRI Symposium, Baltimore, Maryland, 07-08 October, 2016];

Pannicke, Enrico; Opfermann, Klemens; Kägebein, Urte; Hensen, Bennet; Wacker, Frank; Vick, Ralf

Novel concept for versatile actuators inside a MRI scanner

In: 11th International Interventional MRI Symposium: October 07-08, 2016, Baltimore, Maryland. - Baltimore, insges. 3 S.

[Kongress: 11th International Interventional MRI Symposium, Baltimore, Maryland, 07-08 October, 2016];

Dissertationen

Abd Hamid, Aini Ismafairus Binti; Speck, Oliver [GutachterIn]

Modulations of visual cortex organization investigated with 7 Tesla fMRI. - Magdeburg, 2015; xviii, 164 Blätter:

Illustrationen; 30 cm

[Literaturverzeichnis: Seite 140-158];

Dähmlow, Patricia; Stannarius, Ralf [GutachterIn]

Spatio-temporal pattern formation in microemulsions under different physical and chemical conditions. - Magdeburg, 2015; VIII, 123 Seiten: Illustrationen

[Literaturverzeichnis: Seite 107-114];

Diefert, Christin; Hauser, Marcus [GutachterIn]

Bionische Ansätze zur Entwicklung optimierter Kunststoffdeformationselemente zur automobilen Anwendung.

- Magdeburg, 2016; VIII, 182 Seiten: Illustrationen, Diagramme; 30 cm

[Literaturverzeichnis: Seite 153-157];

Harth, Kirsten; Stannarius, Ralf [Gutachter]

Episodes of the life and death of thin fluid membranes - patterns and dynamics at the cross-over from two to three dimensions. - Magdeburg, 2016; i, 209 Seiten: Illustrationen

[Literaturverzeichnis: Seite 187-203];

INSTITUT FÜR PSYCHOLOGIE I

Universitätsplatz 2, Gebäude 24, 39106 Magdeburg
Tel. +49 (0)391 67 18470, Fax +49 (0)391 67 11963
IPSY@ovgu.de

1. Leitung

Prof. Dr. Ellen Matthies

2. Veröffentlichungen

Begutachtete Zeitschriftenaufsätze

Arnold, Oliver; Kaiser, Florian

Understanding the foot-in-the-door effect as a pseudo-effect from the perspective of the Campbell paradigm
In: International journal of psychology: the journal of the International Union of Psychological Science (IUPsyS).
- Chichester [u.a.]: Wiley, 2016; <http://dx.doi.org/10.1002/ijop.12289>;
[Imp.fact.: 1,276]

Bobeth, Sebastian; Matthies, Ellen

Elektroautos: Top in Norwegen, Flop in Deutschland? - Empfehlungen aus Sicht der Umweltpsychologie
In: Gaia: ökologische Perspektiven in Natur-, Geistes- und Wirtschaftswissenschaften. - München: ökom Verl, Bd.
25.2016, 1, S. 38-48;
[Imp.fact.: 1,348]

Byrka, Katarzyna; Kaiser, Florian G.; Olko, Joanna

Understanding the acceptance of nature-preservation-related restrictions as the result of the compensatory effects of
environmental attitude and behavioral costs
In: Environment and behavior: eb; publ. in coop. with the Environmental Design Research Association. - Thousand
Oaks, Calif. [u.a.]: Sage Publications, 2016; <http://dx.doi.org/10.1177/0013916516653638>;
[Imp.fact.: 2,892]

Kastner, Ingo; Matthies, Ellen

Investments in renewable energies by German households - a matter of economics, social influences and ecological
concern?
In: Energy research & social science: ERSS. - Amsterdam [u.a.]: Elsevier, Bd. 17.2016, S. 1-9;

Lehmann, Wolfgang; Jüling, Inge; Berse, Dennis

Mathematische Kompetenz im Spiegel von Tests und Schulnoten in unterschiedlichen Schulsettings
In: ABB-Information: Jahresheft. - [Stuttgart]: ABB, Bd. 2015.2016, S. 40-57;

Nachreiner, Malte; Matthies, Ellen

Enhancing informational strategies for supporting residential electricity saving: Identifying potential and household
characteristics in Germany
In: Energy research & social science: ERSS. - Amsterdam [u.a.]: Elsevier, Bd. 11.2016, S. 276-287;

Otto, Siegmur; Neaman, Alexander; Richards, Bárbara; Marió, Andrés

Explaining the ambiguous relations between income, environmental knowledge, and environmentally significant
behavior
In: Society and natural resources. - London [u.a.]: Taylor & Francis, Bd. 29.2016, 5, S. 628-632;

Schmidt, Karolin

Explaining and promoting household food waste-prevention by an environmental psychological based intervention study

In: Resources, conservation and recycling. - Amsterdam [u.a.]: Elsevier Science, Bd. 111.2016, S. 53-66;

[Imp.fact.: 2,564]

Schmidt, Karolin

What a waste! developing the food waste-preventing behaviors scale - a useful tool to promote household food waste-prevention

In: International Journal of Food and Nutrition Science: IJFNS. - Santa Clara, Calif: Research Publisher, Bd. 3.2016, 3, insges. 14 S.;

Schmidt, Karolin; Kastner, Ingo; Nachreiner, Malte

Bedeutung und Besonderheiten wahrgenommener Quellenglaubwürdigkeit bei umweltrelevanten Verhaltensentscheidungen

In: Umweltpsychologie. - Lengerich: Pabst Publishers, Bd. 20.2016, 1, S. 107-126;

Steinhorst, Julia; Matthies, Ellen

Monetary or environmental appeals for saving electricity? - potentials for spillover on low carbon policy acceptability

In: Energy policy: the international journal of the political, economic, planning, environmental and social aspects of energy. - Amsterdam [u.a.]: Elsevier Science, Bd. 93.2016, S. 335-344;

[Imp.fact.: 2,575]

Wallis, Hannah; Nachreiner, Malte; Matthies, Ellen

Adolescents and electricity consumption; investigating sociodemographic, economic, and behavioural influences on electricity consumption in households

In: Energy policy: the international journal of the political, economic, planning, environmental and social aspects of energy. - Amsterdam [u.a.]: Elsevier Science, Bd. 94.2016, S. 224-234;

[Imp.fact.: 2,575]

Wittenberg, Inga; Fleury-Bahi, Ghazlane

Application of sustainable habitat - what is the appropriation and utilisation of equipment after energy-saving renovations in social housing?

In: Journal of community & applied social psychology. - New York, NY: Wiley Interscience, Bd. 26.2016, 5, S. 409-420;

[Imp.fact.: 1,548]

Wittenberg, Inga; Matthies, Ellen

Solar policy and practice in Germany - how do residential households with solar panels use electricity?

In: Energy research & social science: ERSS. - Amsterdam [u.a.]: Elsevier, Bd. 21.2016, S. 199-211;

Begutachtete Buchbeiträge

Blöbaum, Anke

Die Bedeutung von Gerechtigkeitsmotiven bei der Ausweisung von Nationalparks - eine Reflexion aus psychologischer Sicht

In: Ausweisungen von Nationalparks in Deutschland: Akzeptanz und Widerstand: Ergebnisse des F+E-Vorhabens "25 Jahre Nationalparkprogramm - Konsequenzen für die strategische Ausrichtung des Naturschutzes" des Bundesamtes für Naturschutz: (FKZ: 3512 81 0600), gefördert durch das Bundesamt für Naturschutz (BfN) mit Mitteln des Bundesministeriums für Umwelt, Naturschutz, Bau und Reaktorsicherheit (BMUB). - Bonn-Bad Godesberg: Bundesamt für Naturschutz, S. 321-334, 2016 - (Naturschutz und biologische Vielfalt; Heft 148);

Blöbaum, Anke

Hemmende und fördernde Faktoren des individuellen energieschonenden Verhaltens im Kontext

landschaftsverändernder und naturschutzfachlicher Konsequenzen der Energiewende

In: Die Energiewende im Spannungsfeld energiepolitischer Ziele, gesellschaftlicher Akzeptanz und naturschutzfachlicher Anforderungen: Ergebnisse des gleichnamigen F+E-Vorhabens (FKZ 3515801800) des Bundesamtes für Naturschutz. - Bonn-Bad Godesberg: Bundesamt für Naturschutz, S. 18-36, 2016 - (BfN-Skripten; 433);

Kaiser, Florian G.; Kibbe, Alexandra; Arnold, Oliver

Self-determined, enduring, ecologically sustainable ways of life - attitude as a measure of individuals intrinsic motivation

In: Fleury-Bahi, Ghazlane.: Handbook of Environmental Psychology and Quality of Life Research. - Cham: Springer International Publishing, S. 185-195, 2016;

Lehmann, Wolfgang

Senioren streifen durch die Psychologie, trainieren ihre kognitiven Fähigkeiten und sind wissenschaftlich tätig - ein Rückblick auf zehn Semester "Psychologieausbildung" im Seniorenstudium

In: Vergangenheit, Gegenwart, Zukunft: wissenschaftliche Weiterbildung für Ältere; Festschrift zum 25-jährigen Bestehen von Studieren ab 50. - Magdeburg: Universität, S. 44-51, 2016;

Lehmann, Wolfgang; Freymark, Olaf; Liebich, Manfred

Zur Bedeutung der Bildung im Alter

In: Vergangenheit, Gegenwart, Zukunft: wissenschaftliche Weiterbildung für Ältere; Festschrift zum 25-jährigen Bestehen von Studieren ab 50. - Magdeburg: Universität, S. 78-84, 2016;

Lehmann, Wolfgang; Rademacher, Jeanne; Müller, Ines

Zu den Effekten eines mathematischen Förderprogramms: "Früh übt sich, ... - gewusst wie!"

In: Neue Wege für frühe Bildung und Förderung im Forschungsfeld Mathematik, Informatik, Naturwissenschaften und Technik (MINT): Dokumentation der ersten gemeinsamen Fachtagung des Forschungsnetzes Frühe Bildung Sachsen-Anhalt und des Kompetenzzentrums Frühe Bildung der Hochschule Magdeburg-Stendal. - Baltmannsweiler: Schneider Verlag Hohengehren GmbH, S. 30-44, 2016;

Pittorf, Martin L.; Lehmann, Wolfgang

Das visuelle Arbeitsgedächtnis im Kindergarten einfach testen - der matrix Film Battery Test (MFBT): Workshop-Bericht

In: Neue Wege für frühe Bildung und Förderung im Forschungsfeld Mathematik, Informatik, Naturwissenschaften und Technik (MINT): Dokumentation der ersten gemeinsamen Fachtagung des Forschungsnetzes Frühe Bildung Sachsen-Anhalt und des Kompetenzzentrums Frühe Bildung der Hochschule Magdeburg-Stendal. - Baltmannsweiler: Schneider Verlag Hohengehren GmbH, S. 56-61, 2016;

Pittorf, Martin L.; Lehmann, Wolfgang

Zum Verständnis von Schwenks und Umschnitten in Filmen bei Kindern ab drei Jahren

In: Neue Wege für frühe Bildung und Förderung im Forschungsfeld Mathematik, Informatik, Naturwissenschaften und Technik (MINT): Dokumentation der ersten gemeinsamen Fachtagung des Forschungsnetzes Frühe Bildung Sachsen-Anhalt und des Kompetenzzentrums Frühe Bildung der Hochschule Magdeburg-Stendal. - Baltmannsweiler: Schneider Verlag Hohengehren GmbH, S. 62-71, 2016;

Rademacher, Jeanne; Müller, Ines; Lehmann, Wolfgang

Zur praktischen Gestaltung eines Förderprogramms - Anregungen für ein spielerisches Mathematusieren im Kindergarten

In: Neue Wege für frühe Bildung und Förderung im Forschungsfeld Mathematik, Informatik, Naturwissenschaften und Technik (MINT): Dokumentation der ersten gemeinsamen Fachtagung des Forschungsnetzes Frühe Bildung Sachsen-Anhalt und des Kompetenzzentrums Frühe Bildung der Hochschule Magdeburg-Stendal. - Baltmannsweiler: Schneider Verlag Hohengehren GmbH, S. 18-29, 2016;

Dissertationen

Kastner, Ingo; Matthies, Ellen [GutachterIn]

Maßnahmen zur Förderung nachhaltigen Energiekonsums durch differenzierte Anwendung psychologischer Theorien.

- Magdeburg, 2016; IX, 171 Seiten, Seite XI-XIX: Illustrationen; 30 cm
[Literaturangaben];

Nachreiner, Malte; Matthies, Ellen [GutachterIn]

Maßschneidern (Tailoring) von Informationsangeboten zur Förderung von Stromsparverhalten in deutschen Privathaushalten. - Magdeburg, 2016; XX, 132 Seiten, Seite XXI-XXVII: Illustrationen
[Literaturverzeichnis: 101-107];

INSTITUT FÜR PSYCHOLOGIE II

Universitätsplatz 2, 39106 Magdeburg
Tel. +49 (0)391 67 18474, Fax +49 (0)391 67 11947
stefan.pollmann@ovgu.de

1. Leitung

Prof. Dr. Stefan Pollmann

2. Veröffentlichungen

Begutachtete Zeitschriftenaufsätze

Dieterich, Raoul; Endrass, Tanja; Kathmann, Norbert

Uncertainty is associated with increased selective attention and sustained stimulus processing
In: Cognitive, affective, & behavioral neuroscience: CABN; a journal of the Psychonomic Society. - New York, NY: Springer, Bd. 16.2016, 3, S. 447-456;
[Imp.fact.: 2,886]

Endrass, Tanja; Schuermann, Beate; Roepke, Stefan; Kessler-Scheil, Sonia; Kathmann, Norbert

Reduced risk avoidance and altered neural correlates of feedback processing in patients with borderline personality disorder
In: Psychiatry research. - Amsterdam [u.a.]: Elsevier Science, Bd. 243.2016, S. 14-22;
[Imp.fact.: 2,466]

Fischer, Adrian Georg; Danielmeier, Claudia; Villringer, Arno; Klein, Tilmann; Ullsperger, Markus

Gender influences on brain responses to errors and post-error adjustments
In: Scientific reports. - London: Nature Publishing Group; Vol. 6.2016, Art. 24435, insgesamt 11 S.;
[Imp.fact.: 5,228]

Geringswald, Franziska; Porracin, Eleonora; Pollmann, Stefan

Impairment of visual memory for objects in natural scenes by simulated central scotomata
In: Journal of vision: an ARVO journal; JOV. - Rockville, Md: ARVO, Bd. 16.2016, 2, insges. 6 S.;
[Imp.fact.: 2,393]

Gorgolewski, Krzysztof J.; Auer, Tibor; Calhoun, Vince D.; Craddock, R. Cameron; Das, Samir; Duff, Eugene P.; Flandin, Guillaume; Ghosh, Satrajit S.; Glatard, Tristan; Halchenko, Yaroslav O.; Handwerker, Daniel A.; Hanke, Michael; Keator, David; Li, Xiangrui; Michael, Zachary; Maumet, Camille; Nichols, B. Nolan; Nichols, Thomas E.; Pellman, John; Poline, Jean-Baptiste; Rokem, Ariel; Schaefer, Gunnar; Sochat, Vanessa; Triplett, William; Turner, Jessica A.; Varoquaux, Gael; Poldrack, Russell A.

The brain imaging data structure, a format for organizing and describing outputs of neuroimaging experiments
In: Scientific data. - London: Nature Publ. Group; Vol. 3.2016, Art. 160044; <http://dx.doi.org/10.1038/sdata.2016.44>;

Grützmann, Rosa; Endrass, Tanja; Kaufmann, Christian; Allen, Elena; Eichele, Tom; Kathmann, Norbert

Presupplementary motor area contributes to altered error monitoring in obsessive-compulsive disorder
In: Biological psychiatry: a journal of psychiatric neuroscience; a publication of the Society of Biological Psychiatry. - Amsterdam [u.a.]: Elsevier Science, Bd. 80.2016, 7, S. 562-571;
[Imp.fact.: 11,212]

Guntupalli, J. Swaroop; Hanke, Michael; Halchenko, Yaroslav O.; Connolly, Andrew C.; Ramadge, Peter J.; Haxby, James

V.

A model of representational spaces in human cortex

In: Cerebral cortex. - Oxford: Oxford Univ. Press, Bd. 26.2016, 6, S. 2919-2934;

[Imp.fact.: 8,285]

Hanke, Michael; Adelhöfer, Nico; Kottke, Daniel; Iacovella, Vittorio; Sengupta, Ayan; Kaule, Falko R.; Nigbur, Roland; Waite, Alexander Q.; Baumgartner, Florian; Stadler, Jörg

A studyforrest extension, simultaneous fMRI and eye gaze recordings during prolonged natural stimulation

In: Scientific data. - London: Nature Publ. Group; Bd. 3.2016, Art. 160092, insges. 15 S.;

Hanke, Michael; Ibe, Pierre

Lies, irony, and contradiction - an annotation of semantic conflict in the movie "Forrest Gump"

In: Faculty of 1000 Research. - London: F1000 Research Ltd; Vol. 5.2016, Art. 2375, insgesamt 7 S.;

Häusler, Christian O.; Hanke, Michael

An annotation of cuts, depicted locations, and temporal progression in the motion picture "Forrest Gump" [version 1; referees: 3 approved]

In: Faculty of 1000 Research. - London: F1000 Research Ltd; Vol. 5. 2016, Art. 2273, insgesamt 8 S.;

Klawohn, Julia; Endrass, Tanja; Preuss, Julia; Riesel, Anja; Kathmann, Norbert

Modulation of hyperactive error signals in obsessive - compulsive disorder by dual-task demands

In: Journal of abnormal psychology. - [Washington]: American Psychological Association, Bd. 125.2016, 2, S. 292-298;

[Imp.fact.: 5,153]

Kopitzki, Klaus; Oldag, Andreas; Sweeney-Reed, Catherine M.; Machts, Judith; Veit, Maria; Kaufmann, Jörn; Hinrichs, Hermann; Heinze, Hans-Jochen; Kollwe, Katja; Petri, Susanne; Mohammadi, Bahram; Dengler, Reinhard; Kupsch, Andreas; Vielhaber, Stefan

Interhemispheric connectivity in amyotrophic lateral sclerosis - a near-infrared spectroscopy and diffusion tensor imaging study

In: NeuroImage: Clinical: a journal of diseases affecting the nervous system; open access journal. - [Amsterdam u.a.]: Elsevier, Bd. 12.2016, S. 666-672;

[Imp.fact.: 3,857]

Paul, Sandra; Simon, Daniela; Endrass, Tanja; Kathmann, Norbert

Altered emotion regulation in obsessive-compulsive disorder as evidenced by the late positive potential

In: Psychological medicine: a journal for research in psychiatry and the allied science. - Cambridge: Cambridge Univ. Press, Bd. 46.2016, 1, S. 137-146;

[Imp.fact.: 5,491]

Pollmann, Stefan

Frontopolar resource allocation in human and nonhuman primates

In: Trends in cognitive sciences. - Amsterdam [u.a.]: Elsevier Science, Bd. 20.2016, 2, S. 84-86;

[Imp.fact.: 17,850]

Pollmann, Stefan; Ešto inová, Jana; Sommer, Susanne; Chelazzi, Leonardo; Zinke, Wolf

Neural structures involved in visual search guidance by reward-enhanced contextual cueing of the target location

In: NeuroImage: a journal of brain function. - Orlando, Fla: Academic Press, Bd. 124.2015, S. 887-897, 2016;

[Part A];

[Imp.fact.: 5,463]

Ripollés, Pablo; Marco-Pallarés, Josep; Alicart, Helena; Tempelmann, Claus; Rodríguez-Fornells, Antoni; Noesselt, Tömm

Intrinsic monitoring of learning success facilitates memory encoding via the activation of the SN/VTA-Hippocampal loop

In: eLife. - Cambridge: eLife Sciences Publications; Vol. 5.2016, Art. e17441, ins gesamt 35 S.;

Schmidt, Karolin; Kastner, Ingo; Nachreiner, Malte

Bedeutung und Besonderheiten wahrgenommener Quellenglaubwürdigkeit bei umweltrelevanten Verhaltensentscheidungen

In: *Umweltpsychologie*. - Bochum: GBI-Genios Deutsche Wirtschaftsdatenbank GmbH, Bd. 20.2016, 1, S. 105-124;

Sengupta, Ayan; Kaule, Falko R.; Guntupalli, J. Swaroop; Hoffmann, Michael B.; Häusler, Christian; Stadler, Jörg; Hanke, Michael

A study forrest extension, retinotopic mapping and localization of higher visual areas

In: *Scientific data*. - London: Nature Publ. Group; Vol. 3.2016, Art. 160093, insges. 14 S.;

Sommer, Susanne; Pollmann, Stefan

Putamen activation represents an intrinsic positive prediction error signal for visual search in repeated configurations

In: *The open neuroimaging journal*. - Sharjah: Bentham Open, Bd. 10.2016, S. 126-138;

Strumpf, Hendrik; Noesselt, Toemme; Schoenfeld, Mircea Ariel; Voges, Jürgen; Panther, Patricia; Kaufmann, Joern; Heinze, Hans-Jochen; Hopf, Jens-Max

Deep brain stimulation of the pedunculopontine tegmental nucleus (PPN) influences visual contrast sensitivity in human observers

In: *PLoS one*. - Lawrence, Kan: PLoS; Bd. 11 (2016), 5, Art.-Nr. e0155206, insges. 11 S.;

[Imp.fact.: 3,057]

Ullsperger, Markus; Danielmeier, Claudia

Reducing speed and sight - how adaptive is post-error slowing?

In: *Neuron*. - [Cambridge, Mass.]: Cell Press, Bd. 89.2016, 3, S. 430-432;

[Imp.fact.: 13,974]

Wessel, Jan R.; Ullsperger, Markus; Obrig, Hellmuth; Villringer, Arno; Quinque, Eva; Schroeter, Matthias L.; Bretschneider, Katharina J.; Arelin, Katrin; Roggenhofer, Elisabeth; Frisch, Stefan; Klein, Tilmann A.

Neural synchrony indexes impaired motor slowing after errors and novelty following white matter damage

In: *Neurobiology of aging*. - Amsterdam [u.a.]: Elsevier Science, Bd. 38.2016, S. 205-213;

[Imp.fact.: 5,153]

Begutachtete Buchbeiträge

Blöbaum, Anke

Die Bedeutung von Gerechtigkeitsmotiven bei der Ausweisung von Nationalparks - eine Reflexion aus psychologischer Sicht

In: *Ausweisungen von Nationalparks in Deutschland: Akzeptanz und Widerstand: Ergebnisse des F+E-Vorhabens "25 Jahre Nationalparkprogramm - Konsequenzen für die strategische Ausrichtung des Naturschutzes" des Bundesamtes für Naturschutz: (FKZ: 3512 81 0600), gefördert durch das Bundesamt für Naturschutz (BfN) mit Mitteln des Bundesministeriums für Umwelt, Naturschutz, Bau und Reaktorsicherheit (BMUB)*. - Bonn-Bad Godesberg: Bundesamt für Naturschutz, S. 321-334, 2016 - (Naturschutz und biologische Vielfalt; Heft 148);

Blöbaum, Anke

Hemmende und fördernde Faktoren des individuellen energieschonenden Verhaltens im Kontext landschaftsverändernder und naturschutzfachlicher Konsequenzen der Energiewende

In: *Die Energiewende im Spannungsfeld energiepolitischer Ziele, gesellschaftlicher Akzeptanz und naturschutzfachlicher Anforderungen: Ergebnisse des gleichnamigen F+E-Vorhabens (FKZ 3515801800) des Bundesamtes für Naturschutz*. - Bonn-Bad Godesberg: Bundesamt für Naturschutz, S. 18-36, 2016 - (BfN-Skripten; 433);

Güçlü, Umut; Thielen, Jordy; Hanke, Michael; Gerven, Marcel A. J. van

Brains on beats

In: *Advances in neural information processing systems 29, (NIPS 2016): pre-proceedings*. - Neural Information Processing Systems Foundation, Inc., S. 2101-2109;

[Kongress: 29. Conference on Neural Information Processing Systems, NIPS 2016, Barcelona, Spain, 05. - 10. Dezember,

2016];

Dissertationen

Sengupta, Ayan; Hanke, Michael [GutachterIn]

The effect of acquisition resolution and magnetic field strength on multivariate decoding of fMRI. - Magdeburg, 2016; xi, 106 Seiten: Illustrationen
[Literaturverzeichnis: Seite 89-98];

Tegelbeckers, Jana; Krauel, Kerstin [GutachterIn]

Novelty and ADHD - how unexpected stimuli influence neural processing and behavioral performance in children and adolescents with and without attention deficit hyperactivity disorder. - Magdeburg, 2016; xi, 115 Blätter: Illustrationen
[Literaturverzeichnis: Blatt 93-111];

INSTITUT FÜR BIOLOGIE

Leipziger Straße 44, 39120 Magdeburg
Tel. +49 (0)391 67 55051, Fax +49 (0)391 67 55002
jochen.braun@ovgu.de

1. Leitung

Prof. Jochen Braun, Ph.D.

2. Veröffentlichungen

Begutachtete Zeitschriftenaufsätze

Albrecht, Anne; Ivens, Sebastian; Papageorgiou, Ismini E.; Çali kan, Gürsel; Saiepour, Nasrin; Brück, Wolfgang; Richter-Levin, Gal; Heinemann, Uwe; Stork, Oliver

Shifts in excitatory/inhibitory balance by juvenile stress - a role for neuron-astrocyte interaction in the dentate gyrus
In: *Glia*. - Bognor Regis [u.a.]: Wiley-Liss, Bd. 64.2016, 6, S. 911-922;
[Imp.fact.: 6,031]

Arias-Gil, Gonzalo; Ohl, Frank; Takagaki, Kentaroh; Lippert, Michael Thomas

Measurement, modeling, and prediction of temperature rise due to optogenetic brain stimulation
In: *Neurophotonics*. - Bellingham, Wash: SPIE; Vol. 3.2016, 4, Art. 045007, insgesamt 12 S.;

Bock, Jörg; Breuer, S.; Poeggel, G.; Braun, Anna Katharina

Early life stress induces attention-deficit hyperactivity disorder (ADHD)-like behavioral and brain metabolic dysfunctions - functional imaging of methylphenidate treatment in a novel rodent model
In: *Brain structure & function*. - Berlin: Springer, 2016; <http://dx.doi.org/10.1007/s00429-016-1244-7>;
[Imp.fact.: 5,811]

Bock, Jörg; Poeschel, Julia; Schindler, Julia; Börner, Florian; Shachar-Dadon, Alice; Ferdman, Neta; Gaisler-Salomon, Inna; Leshem, Micah; Braun, Anna Katharina; Poeggel, Gerd

Transgenerational sex-specific impact of preconception stress on the development of dendritic spines and dendritic length in the medial prefrontal cortex
In: *Brain structure & function*. - Berlin: Springer, Bd. 221.2016, 2, S. 855-863;
[Imp.fact.: 5,811]

Çali kan, Gürsel; Müller, Iris; Semtner, Marcus; Winkelmann, Aline; Raza, Ahsan Syed; Hollnagel, Jan O.; Rösler, Anton; Heinemann, Uwe; Stork, Oliver; Meier, Jochen C.

Identification of parvalbumin interneurons as cellular substrate of fear memory persistence
In: *Cerebral cortex*. - Oxford: Oxford Univ. Press, Bd. 26.2016, 5, S. 2325-2340;
[Imp.fact.: 8,665]

Cao, Robin; Pastukhov, Alexander; Mattia, Maurizio; Braun, Jochen

Collective activity of many bistable assemblies reproduces characteristic dynamics of multistable perception
In: *The journal of neuroscience: the official journal of the Society for Neuroscience*. - Washington, DC: Soc, Bd. 36.2016, 26, S. 6957-6972;
[Imp.fact.: 5,900]

Croset, Vincent; Schleyer, Michael; Arguello, J Roman; Gerber, Bertram; Benton, Richard

A molecular and neuronal basis for amino acid sensing in the *Drosophila* larva

In: Scientific reports. - London: Nature Publishing Group; Vol. 6.2016, Art. 34871, insgesamt 13 S.;
[Imp.fact.: 5,228]

Gröger, Nicole; Bock, Jörg; Goehler, Daniela; Blume, Nicole; Lisson, Nicole; Poeggel, Gerd; Braun, Anna Katharina
Stress in utero alters neonatal stress-induced regulation of the synaptic plasticity proteins Arc and Egr1 in a sex-specific manner

In: Brain structure & function. - Berlin: Springer, Bd. 221.2016, 1, S. 679-685;
[Imp.fact.: 5,811]

Gröger, Nicole; Matas, Emmanuel; Gos, Tomasz; Lesse, Alexandra; Poeggel, Gerd; Braun, Anna Katharina; Bock, Jörg
The transgenerational transmission of childhood adversity - behavioral, cellular, and epigenetic correlates

In: Journal of neural transmission. - Wien [u.a.]: Springer, Bd. 123.2016, 9, S. 1037-1052;
[Imp.fact.: 2,587]

Kähne, Thilo; Richter, Sandra; Kolodziej, Angela; Smalla, Karl-Heinz; Pielot, Rainer; Engler, Alexander; Ohl, Frank W.; Dieterich, Daniela C.; Seidenbecher, Constanze; Tischmeyer, Wolfgang; Naumann, Michael; Gundelfinger, Eckart D.
Proteome rearrangements after auditory learning - high-resolution profiling of synapse-enriched protein fractions from mouse brain

In: Journal of neurochemistry: official journal of the International Society for Neurochemistry; JN. - Oxford: Wiley-Blackwell, Bd. 138.2016, 1, S. 124-138;
[Imp.fact.: 3,842]

Kleber, Jörg; Chen, Yi-Chun; Michels, Birgit; Saumweber, Timo; Schleyer, Michael; Kähne, Thilo; Buchner, Erich; Gerber, Bertram

Synapsin is required to boost memory strength for highly salient events

In: Learning & memory. - Plainview, NY: Cold Spring Harbor Laboratory Press, Bd. 23.2016, 1, S. 9-20;
[Imp.fact.: 2,906]

Krzy anowska, Marta; Steiner, Johann; Karnecki, Karol; Kaliszan, Michał Brisch, Ralf; Wiergowski, Marek; Braun, Katharina; Jankowski, Zbigniew; Gos, Tomasz

Decreased ribosomal DNA transcription in dorsal raphe nucleus neurons differentiates between suicidal and non-suicidal death

In: European archives of psychiatry and clinical neuroscience. - Darmstadt: Steinkopff, Bd. 266.2016, 3, S. 217-224;
[Imp.fact.: 4,113]

Lesse, Alexandra; Rether, Kathy; Gröger, Nicole; Braun, Anna Katharina; Bock, Jörg

Chronic postnatal stress induces depressive-like behavior in male mice and programs second-Hit stress-induced gene expression patterns of OxtR and AvpR1a in adulthood

In: Molecular neurobiology. - Totowa, NJ: Humana Press, 2016; <http://dx.doi.org/10.1007/s12035-016-0043-8>;
[Imp.fact.: 5,397]

Matas, Emmanuel; Bock, Jörg; Braun, Anna Katharina

The impact of parent-infant interaction on epigenetic plasticity mediating synaptic adaptations in the infant brain

In: Psychopathology: international journal of descriptive and experimental psychopathology, phenomenology and clinical diagnostics. - Basel: Karger, Bd. 49.2016, 4, insges. 10 S.;
[Imp.fact.: 1,888]

Pinno, Jessica; Bongartz, Hannes; Klepsch, Oliver; Wundrack, Nicole; Poli, Valeria; Schaper, Fred; Dittrich, Anna
Interleukin-6 influences stress-signalling by reducing the expression of the mTOR-Inhibitor REDD1 in a STAT3-dependent manner

In: Cellular signalling. - Amsterdam [u.a.]: Elsevier Science, Bd. 28.2016, 8, S. 907-916;
[Imp.fact.: 4,315]

Rohwedder, Astrid; Wenz, Nana L.; Stehle, Bernhard; Huser, Annina; Yamagata, Nobuhiro; Zlatic, Marta; Truman,

James W.; Tanimoto, Hiromu; Saumweber, Timo; Gerber, Bertram; Thum, Andreas S.

Four individually identified paired dopamine neurons signal reward in larval drosophila

In: Current biology: CB. - London: Current Biology Ltd, Bd. 26.2016, 5, S. 661-669;

[Imp.fact.: 8,983]

Schaap, Pauline; Barrantes, Israel; Minx, Pat; Sasaki, Narie; Anderson, Roger W.; Bénard, Marianne; Biggar, Kyle K.; Buchler, Nicolas E.; Bundschuh, Ralf; Chen, Xiao; Fronick, Catrina; Fulton, Lucinda; Golderer, Georg; Jahn, Niels; Knoop, Volker; Landweber, Laura F.; Maric, Chrystelle; Miller, Dennis; Noegel, Angelika A.; Peace, Rob; Pierron, Gérard; Sasaki, Taeko; Schallenberg-Rüdinger, Mareike; Schleicher, Michael; Singh, Reema; Spaller, Thomas; Storey, Kenneth B.; Suzuki, Takamasa; Tomlinson, Chad; Tyson, John J.; Warren, Wesley C.; Werner, Ernst R.; Werner-Felmayer, Gabriele; Wilson, Richard K.; Winckler, Thomas; Gott, Jonatha M.; Glöckner, Gernot; Marwan, Wolfgang

The physarum polycephalum genome reveals extensive use of prokaryotic two-component and metazoan-type tyrosine kinase signaling

In: Genome biology and evolution: GBE. - Oxford: Oxford Univ. Press, Bd. 8.2016, 1, S. 109-125;

[Imp.fact.: 4,098]

Schulz, Andreas L.; Woldeit, Marie L.; Gonçalves, Ana I.; Saldeitis, Katja; Ohi, Frank W.

Selective increase of auditory cortico-striatal coherence during auditory-cued Go/NoGo discrimination learning

In: Frontiers in behavioral neuroscience. - Lausanne: Frontiers Research Foundation, 2016; <http://dx.doi.org/10.3389/fnbeh.2015.00368>;

[Imp.fact.: 3,392]

Spilker, Christina; Nullmeier, Sven; Grochowska, Katarzyna M.; Schumacher, Anne; Butnaru, Ioana; Macharadze, Tamar; Gomes, Guilherme M.; Yuanxiang, PingAn; Bayraktar, Gonca; Rodenstein, Carolin; Geiseler, Carolin; Kolodziej, Angela; Lopez-Rojas, Jeffrey; Montag, Dirk; Angenstein, Frank; Bär, Julia; Hanis, Wolfgang d'; Roskoden, Thomas; Mikhaylova, Marina; Budinger, Eike; Ohi, Frank W.; Stork, Oliver; Zenclussen, Ana C.; Karpova, Anna; Schwegler, Herbert; Kreutz, Michael R.

A Jacob/Nsmf gene knockout results in hippocampal dysplasia and impaired BDNF signaling in dendritogenesis

In: PLoS Genetics: a peer-reviewed, open-access journal. - San Francisco, Calif: Public Library of Science; Bd. 12.2016, 3, Art.-Nr. e1005907, insges. 32 S.;

[Imp.fact.: 6,661]

Steffen, Johannes; Krohn, Markus; Paarmann, Kristin; Schwitlick, Christina; Brüning, Thomas; Marreiros, Rita; Müller-Schiffmann, Andreas; Korth, Carsten; Braun, Anna Katharina; Pahnke, Jens

Revisiting rodent models - octodon degus as Alzheimer's disease model?

In: Acta Neuropathologica Communications. - London: Biomed Central; Bd. 4.2016, Art. 91, insgesamt 11 S.;

Steiner, Johann; Brisch, Ralf; Schiltz, Kolja; Dobrowolny, Henrik; Mawrin, Christian; Krzy anowska, Marta; Bernstein, Hans-Gert; Jankowski, Zbigniew; Braun, Katharina; Schmitt, Andrea; Bogerts, Bernhard; Gos, Tomasz

GABAergic system impairment in the hippocampus and superior temporal gyrus of patients with paranoid schizophrenia - a post-mortem study

In: Schizophrenia research: an international multidisciplinary journal. - Amsterdam [u.a.]: Elsevier Science, Bd. 177.2016, 1/3, S. 10-17;

[Imp.fact.: 4,453]

Thiere, Marlen; Kliche, Stefanie; Müller, Bettina; Teuber, Jan; Nold, Isabell; Stork, Oliver

Integrin activation through the hematopoietic adapter molecule ADAP regulates dendritic development of hippocampal neurons

In: Frontiers in molecular neuroscience. - Lausanne: Frontiers Research Foundation; Bd. 9 (2016), Art.-Nr. 91, insges. 14 S.;

[Imp.fact.: 5,154]

Šmidák, Roman; Mayer, Rupert Laurenz; Bileck, Andrea; Gerner, Christopher; Mechtcheriakova, Diana; Stork, Oliver; Lubec, Gert; Li, Lin

Quantitative proteomics reveals protein kinases and phosphatases in the individual phases of contextual fear

conditioning in the C57BL/6J mouse

In: Behavioural brain research: an international journal. - Amsterdam: Elsevier, Bd. 303.2016, S. 208-217;

[Imp.fact.: 3,002]

Dissertationen

Engelhorn, Achim; Ohl, Frank W. [GutachterIn]

Untersuchung zur funktionellen Elektrostimulation des primären auditorischen Kortex AI der Mongolischen Wüstenrennmaus (*Meriones unguiculatus*). - Magdeburg, 2016; X, 161 Seiten

[Literaturverzeichnis: Seite 151-156];